

Quality. Safety. Performance.

Catalogue
KLS VI.3





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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 wide range of top quality abrasives. The clear and logical layout in eight 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, de-rusting metal parts, deburring and working on welded seams.



Abrasive strips, sheets and discs

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



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.



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.



Kronenflex® Grinding discs and cut-off wheels

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

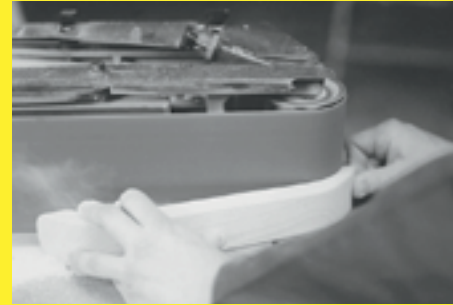
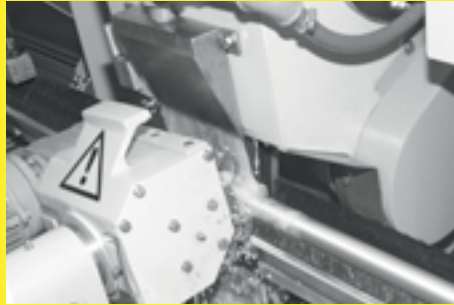


Flexible abrasives

Our comprehensive product programme is rounded off by flexible abrasives which were developed by Klingspor for precision finishing and polishing work on all kinds of surfaces.

General Information

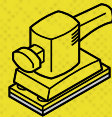
Machine pictograms



Hand sanding



Hand block



Orbital sander



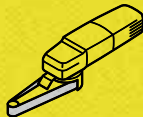
Random orbital sander



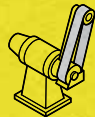
Delta sander



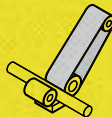
Portable belt sander



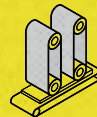
Hand tool belt grinder



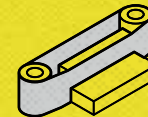
Back stand grinding machine



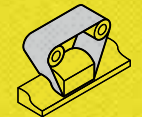
Centreless finishing machine



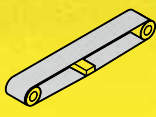
Through-feed grinding machine



Edge sanding machine



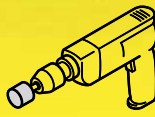
Contour finishing machine



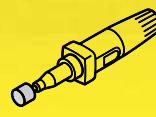
Pad / stroke sanding machine



Wide belt finishing machine



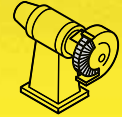
Drilling machine



Die grinder



Satin finishing machine



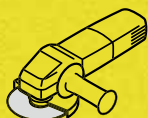
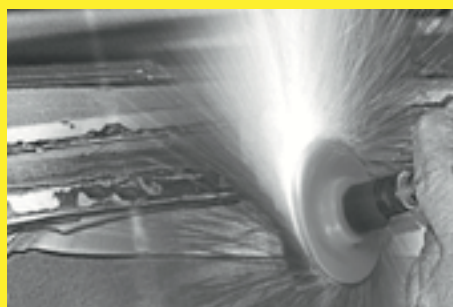
Floor-standing grinder

General Information

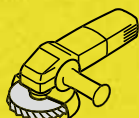
Machine pictograms



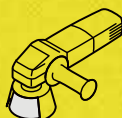
General Information



Angle grinder



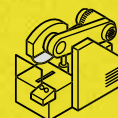
Angle grinder with abrasive mop disc



Angle grinder with cup grinding wheel



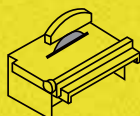
Petrol powered cutter



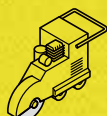
Stationary cutting machine



Chop saw



Wall chaser



Joint cutter



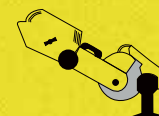
Lifting beam with mottling points



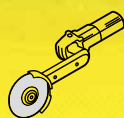
Right angle die grinder



Flexible shaft grinder



Petrol powered cutter with clamping device



Concave fillet weld grinder

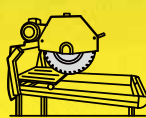
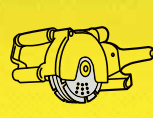


Table saw



Joint router



Stationary cutting machine



Parquet Sander



Product guide

Coated abrasives

| | Type | Properties | Backing | Grain type |
|---------------------|--------------------------------|------------------------|----------------|------------------|
| Abrasive paper | <i>PS 10 A</i> | Garnet | A-paper | Aluminum oxide |
| | <i>PS 10 C</i> | Garnet | C-paper | Aluminum oxide |
| | <i>PS 10 D</i> | Garnet | D-paper | Aluminum oxide |
| | <i>PS 11 A</i> | waterproof | A-paper | SiC |
| | <i>PS 11 C</i> | waterproof | C-paper | SiC |
| | <i>PS 19 E</i> | | E-paper | SiC |
| | <i>PS 19 F</i> | | F-paper | SiC |
| | <i>PS 20 F</i> | | F-paper | Aluminum oxide |
| | <i>PS 21 F</i> | | F-paper | Zirconia alumina |
| | <i>PS 22 F ACT</i> | ANTISTATIC | F-paper | Aluminum oxide |
| | <i>PS 22 N</i> | | E-paper | Aluminum oxide |
| | <i>PS 24 F ACT</i> | ANTISTATIC | F-paper | SiC |
| | <i>PS 26 F</i> | SUPER ANTISTATIC | F-paper | Aluminum oxide |
| | <i>PS 28 F</i> | ANTISTATIC | F-paper | Aluminum oxide |
| | <i>PS 29 F ACT</i> | ANTISTATIC | F-paper | Aluminum oxide |
| | <i>PL 31 B</i> | | B-paper | Aluminum oxide |
| | <i>PS 33 B</i> | | B-paper | Aluminum oxide |
| | <i>PS 33 C</i> | | C-paper | Aluminum oxide |
| | <i>PL 35 B</i> | | B-paper | SiC |
| | <i>PS 73 BW</i> | pecially coated | B-paper | Aluminum oxide |
| <i>PS 73 W Soft</i> | pecially coated | B-/C-paper + foam core | Aluminum oxide | |
| Self fastening | <i>PS 22 K</i> | | E-paper | Aluminum oxide |
| | <i>PS 33 BK</i> | | B-paper | Aluminum oxide |
| | <i>PS 33 CK</i> | | C-paper | Aluminum oxide |
| | <i>PS 36 CK</i> | | C-paper | Zirconia alumina |
| | <i>FP 73 WK</i> | pecially coated | Film | Aluminum oxide |
| | <i>PS 73 BWK</i> | pecially coated | B-paper | Aluminum oxide |
| | <i>PS 73 CWK</i> | pecially coated | C-paper | Aluminum oxide |
| PSA | <i>PS 33 BS / CS</i> | | B-/C-paper | Aluminum oxide |
| | <i>PS 33 BS / CS Disc Roll</i> | | B-/C-paper | Aluminum oxide |
| Abrasive cloth | <i>HTJ 153 Z</i> | Crocus | JF-cloth | Aluminum oxide |
| | <i>LS 309 J</i> | | J-cotton | Aluminum oxide |
| | <i>LS 309 JF</i> | | JF-cotton | Aluminum oxide |
| | <i>LS 309 XH</i> | | X-cotton | Aluminum oxide |
| | <i>CS 310 X</i> | | X-cotton | Aluminum oxide |
| | <i>CS 310 XF</i> | | XF-cotton | Aluminum oxide |
| | <i>CS 311 Y ACT</i> | ANTISTATIC | Y-polyester | Aluminum oxide |

Cloth

| | |
|----|--|
| X | Cloth, heavy |
| J | Cloth, light |
| XF | Cloth, heavy, flexible |
| JF | Cloth, light, highly flexible |
| Y | Polyester cloth |
| Z | Polyester cloth, heavy, can be divided into segments |

Paper

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

Product guide

Coated abrasives



| Type | Coating | Bonding agent | Waterproof | Available grits | Page | | | | | | |
|--------------------------------|---------|---------------|------------|---|-------|-----------------------------|----------------------|------------|-------------|---------------|-------|
| | | | | | Rolls | Belts for handheld grinders | Short and long belts | Wide belts | Fibre discs | Strips/Sheets | Discs |
| <i>PS 10 A</i> | ● | L | | 80-220 | - | - | - | - | - | 63 | - |
| <i>PS 10 C</i> | ● | L | | 100-150 | - | - | - | - | - | 63 | - |
| <i>PS 10 D</i> | ● | L | | 40-80 | - | - | - | - | - | 64 | - |
| <i>PS 11 A</i> | ● | K | ✓ | 220-2000 | - | - | - | - | - | 65 | - |
| <i>PS 11 C</i> | ● | K | ✓ | 60-400, 600, 1000 | - | - | - | - | - | 65 | - |
| <i>PS 19 E</i> | ● | K | | 24, 36-100, 120, 220, 240, 320, 400, 600, 800 | 20 | - | - | - | - | - | 77 |
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| <i>PS 20 F</i> | ● | K | | 60-240, 320, 400 | - | - | 34 | 53 | - | - | - |
| <i>PS 21 F</i> | ● | K | | 40, 60-320, 400 | - | - | 34 | 53 | - | - | - |
| <i>PS 22 F ACT</i> | ● | K | | 40-400 | 20 | - | 34 | 54 | - | - | - |
| <i>PS 22 N</i> | ● | K | | 24, 40, 60-240, 320, 400 | 21 | - | - | - | - | - | - |
| <i>PS 24 F ACT</i> | ● | K | | 80, 120-800 | - | - | 35 | 54 | - | - | - |
| <i>PS 26 F</i> | ○ | K | | 80-220 | - | - | 35 | 55 | - | - | - |
| <i>PS 28 F</i> | ○ | K | | 40-220 | - | - | 35 | 55 | - | - | - |
| <i>PS 29 F ACT</i> | ○ | K | | 40-320, 400 | - | - | 36 | 56 | - | - | - |
| <i>PL 31 B</i> | ● | L | | 40-320, 400 | 22 | - | - | - | - | 66 | - |
| <i>PS 33 B</i> | ● | K | | 150-320, 400-600 | - | - | - | - | - | 67, 72 | - |
| <i>PS 33 C</i> | ● | K | | 40, 60-120 | - | - | - | - | - | 67, 72 | - |
| <i>PL 35 B</i> | ● | K | | 80 - 220, 280, 320, 400 | - | - | - | - | - | 69 | - |
| <i>PS 73 BW</i> | ● | K | | 150-1500 | - | - | - | - | - | 68 | - |
| <i>PS 73 W Soft</i> | ● | K | | 40, 60-1000 | 29 | - | - | - | - | - | - |
| <i>PS 22 K</i> | ● | K | | 24, 40, 60-240, 320, 400 | - | - | - | - | - | - | 79 |
| <i>PS 33 BK</i> | ● | K | | 150-320, 400-600 | - | - | - | - | - | - | 80 |
| <i>PS 33 CK</i> | ● | K | | 40, 60-120 | - | - | - | - | - | - | 80 |
| <i>PS 36 CK</i> | ● | K | | 50-180 | - | - | - | - | - | - | 84 |
| <i>FP 73 WK</i> | ● | K | | 80-180, 240, 320, 400-1500 | - | - | - | - | - | - | 83 |
| <i>PS 73 BWK</i> | ● | K | | 150-1500 | - | - | - | - | - | - | 82 |
| <i>PS 73 CWK</i> | ● | K | | 40, 60-120 | - | - | - | - | - | - | 82 |
| <i>PS 33 BS / CS</i> | ● | K | | 40, 60-320, 400, 600 | - | - | - | - | - | - | 86 |
| <i>PS 33 BS / CS Disc Roll</i> | ● | K | | 40, 60-320, 400, 600 | - | - | - | - | - | - | 87 |
| <i>HTJ 153 Z</i> | ● | K/L | | 2000 (very fine) | - | - | - | - | - | 71 | - |
| <i>LS 309 J</i> | ● | K | | 60-500 | 23 | - | 36 | - | - | - | - |
| <i>LS 309 JF</i> | ● | K | | 60-400, 600 | - | - | 36 | - | - | - | - |
| <i>LS 309 XH</i> | ● | K | | 40-180, 240 | - | 37 | - | - | - | - | - |
| <i>CS 310 X</i> | ● | K | | 16-24, 36-320, 400-600 | 23 | - | 39 | 58 | - | - | - |
| <i>CS 310 XF</i> | ● | K | | 40-280 | - | - | 42 | - | - | - | - |
| <i>CS 311 Y ACT</i> | ○ | K | | 36-220 | 24 | - | 41 | 57 | - | - | - |

● = close ● = semi-open ○ = open

Bonding agent

K Resin
L Glue



Product guide

Coated abrasives

| | Type | Properties | Backing | Grain type |
|-------------------------|---------------------------------|--|-------------------------------------|----------------------------|
| Abrasive cloth | LS 312 JF | pecially coated | JF-cotton | Aluminum oxide |
| | LS 318 JF ACT | ANTISTATIC | JF-cotton, SUPERFLEX | Aluminum oxide |
| | CS 320 Y | waterproof | Y-polyester | SiC |
| | CS 321 X | waterproof | X-cotton | SiC |
| | CS 322 X | waterproof | X-cotton | Cork |
| | CS 326 Y | KULEX, waterproof | Y-polyester | Aluminum oxide-agglomerate |
| | CS 330 X | waterproof | X-cotton | SiC / Cork |
| | KL 361 JF | | JF-cotton | Aluminum oxide |
| | KL 371 X | | X-cotton | Aluminum oxide |
| | KL 385 JF | | JF-cotton | Aluminum oxide |
| | CS 409 Y | multibond | Y-polyester | Zirconia alumina |
| | CS 410 X | multibond | X-cotton | Aluminum oxide |
| | CS 411 X | | X-cotton | Zirconia alumina |
| | CS 411 Y | waterproof | Y-polyester | Zirconia alumina |
| | CS 412 Y | waterproof | Y-polyester | Aluminum oxide |
| | CS 416 Y | waterproof | Y-polyester | Zirconia alumina |
| | CS 631 XF | multibond | XF-cotton | Ceramic aluminum oxide |
| | CS 811 Y ACT | waterproof | Y-polyester | Zirconia alumina |
| | CS 910 Y ACT | multibond | Y-polyester | Ceramic aluminum oxide |
| | CS 912 Y ACT | waterproof | Y-polyester | Ceramic aluminum oxide |
| CS 931 JF | multibond | JF-cotton | Ceramic aluminum oxide | |
| PSA | CS 310 XS | | X-cotton | Aluminum oxide |
| | CS 411 XS | | X-cotton | Aluminum oxide |
| Fibre discs | CS 561 | | Fibre | Aluminum oxide |
| | CS 565 | | Fibre | Zirconia alumina |
| | CS 570 | multibond | Fibre | Zirconia alumina |
| | FS 966 ACT | multibond | Fibre | Ceramic aluminium oxide |
| Non-woven web | NRO 400 | | Non-woven web | Aluminum oxide/SiC |
| | NPA 400 | | Non-woven web | Aluminum oxide/SiC |
| | NDS 800 | | Non-woven web with polyester lining | Aluminum oxide |
| | NBF 800 | waterproof | Non-woven web with polyester lining | Aluminum oxide |
| | NBS 800 | waterproof | Non-woven web with polyester lining | Aluminum oxide |
| | AS 400 (Abrasive Screen) | Abrasive Screen | Non-woven web with polyester lining | SiC |
| | SW 309 (Foam) | Foam | | |
| | CS 395 X (Graphite) | Graphite coated cloth | | |
| Hand blocks/ Sponges | SK 500 | Abrasive hand block, flexible | | Aluminum oxide |
| | SW 510 | Abrasive sponge, HI-FLEX, coated on 1 side | | Aluminum oxide |
| | SW 520 | Abrasive sponge, coated on 2 sides | | Aluminum oxide |

Cloth

| | |
|----|--|
| X | Cloth, heavy |
| J | Cloth, light |
| XF | Cloth, heavy, flexible |
| JF | Cloth, light, highly flexible |
| Y | Polyester cloth |
| Z | Polyester cloth, heavy, can be divided into segments |

Paper

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

Product guide

Coated abrasives



| Type | Coating | Bonding agent | Waterproof | Available grits | Page | | | | | | |
|---------------------------------|---------|---------------|------------|--|-------|-----------------------------|----------------------|------------|-------------|---------------|-------|
| | | | | | Rolls | Belts for handheld grinders | Short and long belts | Wide belts | Fibre discs | Strips/Sheets | Discs |
| <i>LS 312 JF</i> | ● | K | | 60-320, 400 | - | - | 42 | - | - | - | - |
| <i>LS 318 JF ACT</i> | ○ | K | | 60-180, 240, 320, 400 | - | - | 42 | - | - | - | - |
| <i>CS 320 Y</i> | ● | K | ✓ | 24, 40, 60-120, 180 | - | - | 43 | 58 | - | - | - |
| <i>CS 321 X</i> | ● | K | ✓ | 80-320, 400, 500, 800 | - | - | 44 | - | - | - | - |
| <i>CS 322 X</i> | ● | K | ✓ | Polishing fineness | - | - | 44 | - | - | - | - |
| <i>CS 326 Y</i> | | K | ✓ | 80, 120, 180, 240, 320, 400, 600, 800 | - | - | 45 | - | - | - | - |
| <i>CS 330 X</i> | ● | K | ✓ | 220, 280, 400, 600, 800 | - | - | 45 | - | - | - | - |
| <i>KL 361 JF</i> | ● | K | | 30, 40-600 | 25 | - | - | - | - | 70 | - |
| <i>KL 371 X</i> | ● | L | | 30-400 | - | - | - | - | - | 69 | - |
| <i>KL 385 JF</i> | ● | K | | 40-320, 400, 600 | 26 | - | - | - | - | 71 | - |
| <i>CS 409 Y</i> | ● | K | | 36-120 | - | - | 45 | - | - | - | - |
| <i>CS 410 X</i> | ● | K | | 40, 60-180 | - | - | 46 | - | - | - | - |
| <i>CS 411 X</i> | ● | K | | 24, 36-80, 120 | - | - | 46 | - | - | - | - |
| <i>CS 411 Y</i> | ● | K | ✓ | 24, 36-120 | - | - | 47 | - | - | - | - |
| <i>CS 412 Y</i> | ● | K | ✓ | 24, 36-180, 240 | - | - | 48 | 59 | - | - | - |
| <i>CS 416 Y</i> | ○ | K | ✓ | 24, 36-120 | - | - | 49 | - | - | - | - |
| <i>CS 631 XF</i> | ○ | K | | 60-120 | - | - | 49 | - | - | - | - |
| <i>CS 811 Y ACT</i> | ● | K | ✓ | 24, 36-80 | - | - | 49 | - | - | - | - |
| <i>CS 910 Y ACT</i> | ● | K | | 24, 36-80 | - | - | 50 | - | - | - | - |
| <i>CS 912 Y ACT</i> | ● | K | ✓ | 24, 36-180 | - | - | 50 | - | - | - | - |
| <i>CS 931 JF</i> | ○ | K | | 80-120, 180, 240-320, 400 | - | - | 50 | - | - | - | - |
| <i>CS 310 XS</i> | ● | K | | 16-320, 400-600 | - | - | - | - | - | - | 88 |
| <i>CS 411 XS</i> | ● | K | | 24, 36-80, 120 | - | - | - | - | - | - | 89 |
| <i>CS 561</i> | ● | K | | 16, 240, 320 | - | - | - | - | 122 | - | - |
| <i>CS 565</i> | ● | K | | 24, 36-100 | - | - | - | - | 123 | - | - |
| <i>CS 570</i> | ● | K | | 24, 36-120 | - | - | - | - | 124 | - | - |
| <i>FS 966 ACT</i> | ● | K | | 24, 36-80, 120 | - | - | - | - | 125 | - | - |
| <i>NRO 400</i> | | K | | medium, very fine | 28 | - | - | - | - | - | - |
| <i>NPA 400</i> | | K | | coarse, general purpose, very fine, ultra fine | - | - | - | - | - | 73 | - |
| <i>NDS 810</i> | | K | | coarse, medium, very fine | - | - | - | - | - | - | 90 |
| <i>NBF 820</i> | | K | ✓ | coarse, medium, very fine | - | - | 51 | - | - | - | - |
| <i>NBS 820</i> | | K | ✓ | coarse, medium, very fine | - | - | 51 | - | - | - | - |
| <i>AS 400 (Abrasive Screen)</i> | | K | | 60, 80, 100, 120 | - | - | - | - | - | - | 78 |
| <i>SW 309 (Foam)</i> | | | | 120, 150, 180 | 28 | - | - | - | - | - | - |
| <i>CS 395 X (Graphite)</i> | | | | | 21 | - | - | - | - | - | - |
| <i>SK 500</i> | | | | 80, 100, 120, 180, 220 | - | - | - | - | - | 74 | - |
| <i>SW 510</i> | | | | 100, 180, 220, 280 | - | - | - | - | - | 75 | - |
| <i>SW 520</i> | | | | 80, 120, 180, 220 | - | - | - | - | - | 75 | - |

● = close ○ = semi-open ○ = open

Bonding agent

K Resin
L Glue

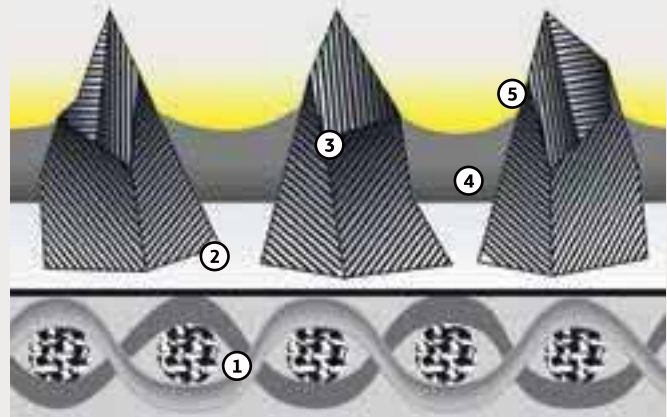


Coated abrasives

Applications guide

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

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



Structure

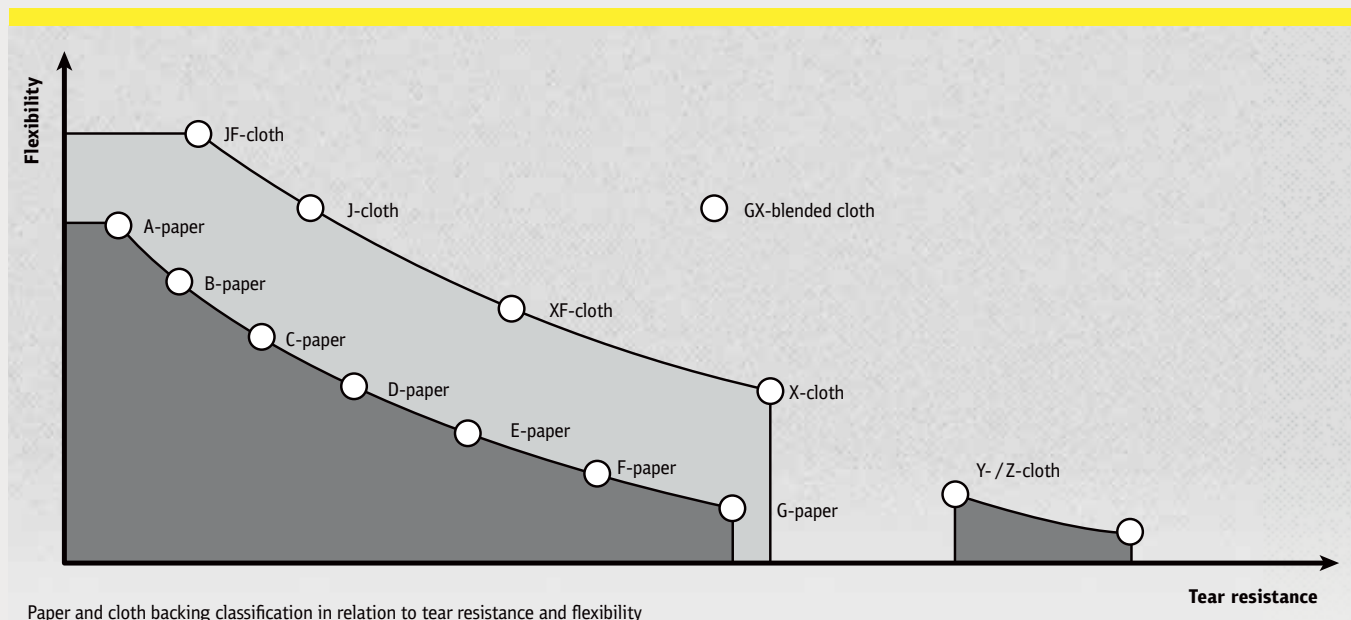
1. Coated abrasive backing

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

- ▶ Paper
- ▶ Cotton cloth
- ▶ Polyester cloth

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

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



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

2. Base coat

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

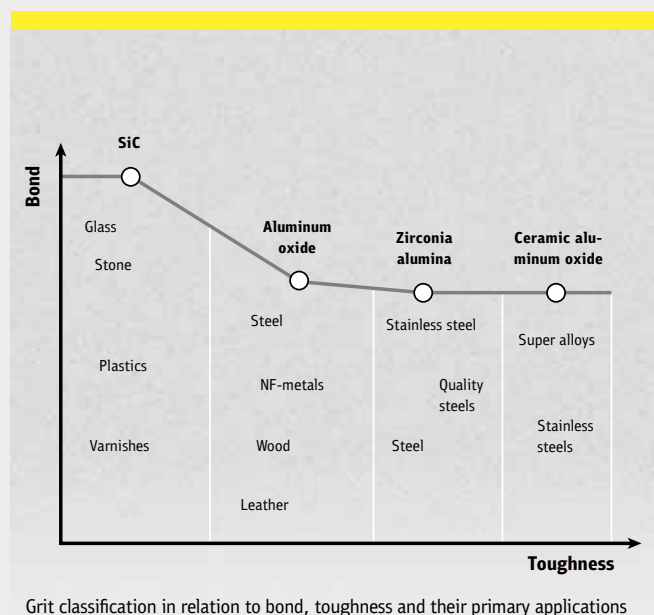
3. Grit

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

- ▶ Bond
- ▶ Toughness



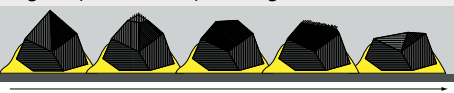
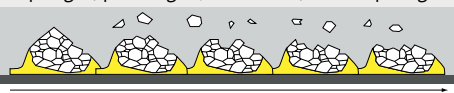
All Klingspor grit types are produced synthetically. This ensures a consistently high quality product. Four different grit types are used with coated abrasives:

- ▶ Silicon carbide
- ▶ Aluminum oxide
- ▶ Zirconia alumina
- ▶ Ceramic aluminum oxide

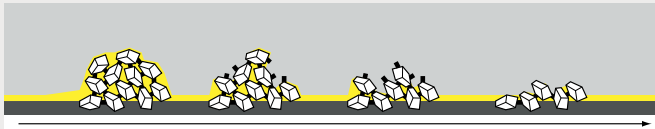


Coated abrasives

Applications guide

| Grain Type | Bond / toughness | Structure | Properties / wear properties |
|-------------------------------|------------------------|------------------------|---|
| Silicon carbide (SiC) | very hard / less tough | crystalline | sharp-edged, brittle, highly friable / micro-wear  |
| Aluminum oxide | hard / tough | crystalline, irregular | wedge-shaped, blockgrain, even wear  |
| Zirconia alumina | hard / very tough | crystalline, even | wedge-shaped, block, drop formed grit / micro-wear, self-sharpening  |
| Ceramic aluminum oxide | hard / very tough | micro-crystalline | sharp-edged, pointed grit / micro-wear, self-sharpening  |

Grit type properties and their specific wear properties



| Definition | Description |
|-------------------|--|
| close coating | The entire surface of the backing is coated with grit |
| semi-open coating | The backing surface is coated with approx. 75% grit volume |
| open coating | The backing surface is coated with approx. 50% grit volume |

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

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

Coating

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

One differentiates between:

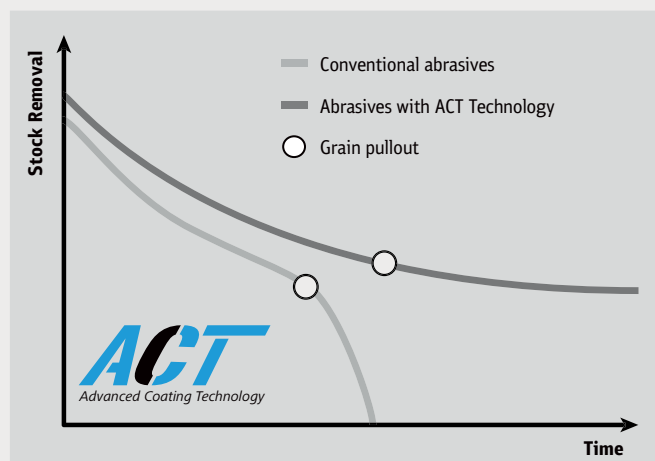
- ▶ close coating
- ▶ semi-open coating
- ▶ open coating

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

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

Coated abrasives

Applications guide



4. Size coat

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

5. Special coatings

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

Stearate coating:

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

Multibond:

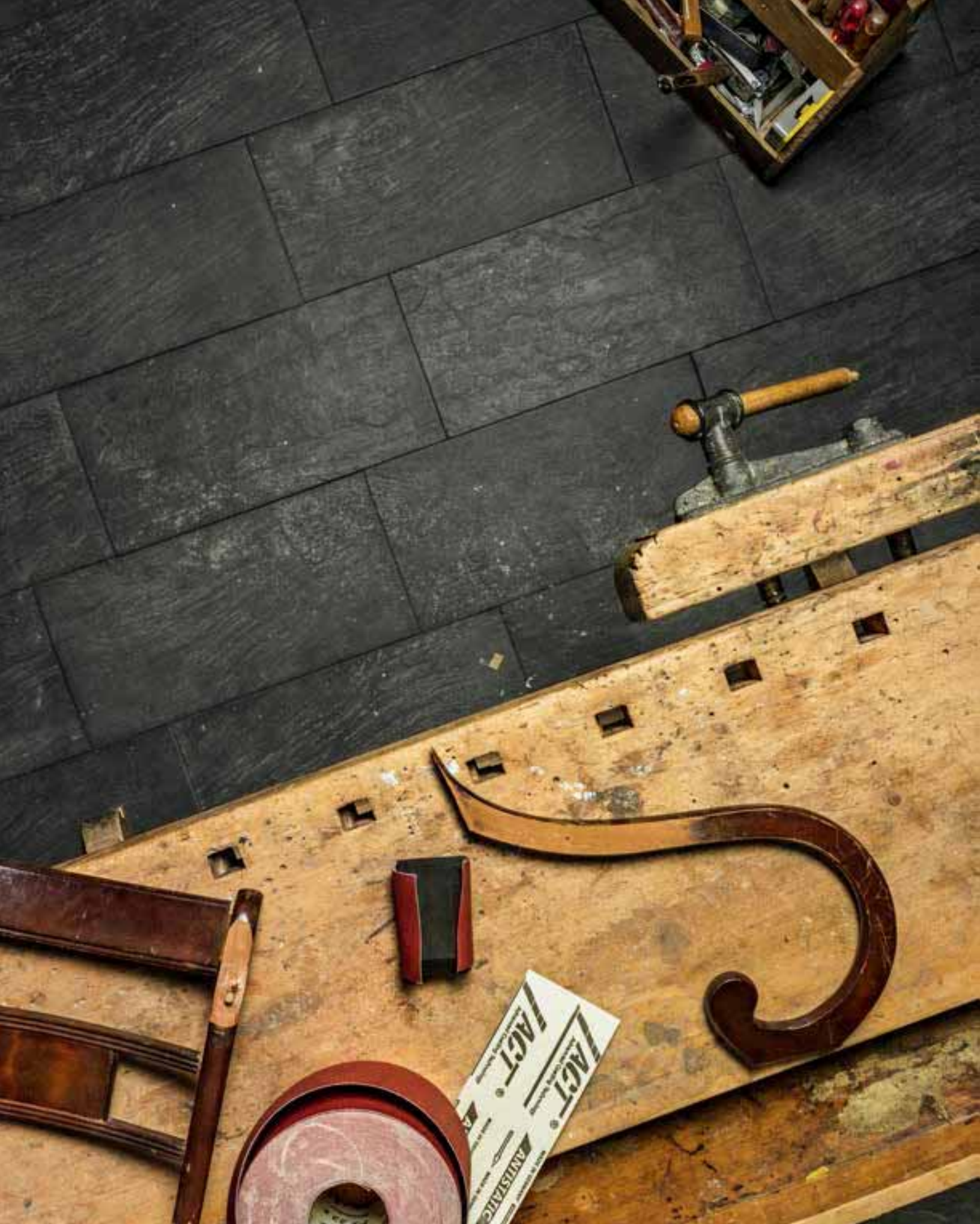
The multibond, like the stearate coating, is applied in an additional production step to the cover bond layer. This allows the cool grinding of stainless steel and high alloy steels, which in turn increases the stock removal rate and service life.

ACT – Advanced Coating Technology:

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

Antistatic:

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



Applications rolls with paper backing

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|-------------|---------------------|----------------|------------------------|---------|---|------|
| Wood | PS 19 E/F | SiC | E/F-paper | ● | Standard product for wood parquet sanding and floor reconditioning | 20 |
| | PS 22 F ACT | Aluminum oxide | F-paper | ● | Closed coat for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low-content woods. ACT and antistatic properties prevent premature clogging | 20 |
| | PS 22 N | Aluminum oxide | E-paper | ● | Abrasive paper with semi-open coating for high stock removal capacity for the processing of wood | 21 |
| | PL 31 B | Aluminum oxide | B-paper | ● | Flexible finishing paper with an optimal price-performance ratio for a wide range of applications for the processing of wood, paint and varnish. Provides a smooth surface finish | 22 |
| Paint | PL 31 B | Aluminum oxide | B-paper | ● | Flexible finishing paper with an optimal price-performance ratio for a wide range of applications for the processing of wood, paint and varnish. Provides a smooth surface finish | 22 |
| | PS 73 W Soft | Aluminum oxide | B-/C-paper + foam core | ● | Abrasive pads on rolls for de-nibbing and finishing of surfaces, moulded parts and contours. Foam backing for better pressure distribution and a very fine surface finish. The pads are supplied in a convenient dispenser that allows individual pads to be separated by tearing along the perforation | 29 |

Applications rolls with cloth backing

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|-------------|---------------------|----------------|-------------|---------|--|------|
| Metals | LS 309 J | Aluminum oxide | J-cotton | ● | Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal | 23 |
| | SW 309 Foam | Aluminum oxide | JF-cotton | ● | Long life cloth with cushioning foam which prevents gouging and deep scratches. Suitable for hand and pole sanding in drywall applications | 28 |
| | CS 310 X | Aluminum oxide | X-cotton | ● | Abrasive cloth for metal and wood working with stable cloth backing, for heavy duty with particular long service life | 23 |
| | KL 361 JF | Aluminum oxide | JF-cotton | ● | High quality, highly flexible abrasive cloth for versatile applications in the metal processing industry, also suitable for stainless steel | 25 |
| | KL 385 JF | Aluminum oxide | JF-cotton | ● | Highly flexible universal abrasive cloth for the metal processing industry, good price-performance ratio | 26 |
| Wood | LS 309 J | Aluminum oxide | JF-cotton | ● | Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal | 23 |
| | CS 311 Y ACT | Aluminum oxide | Y-polyester | ○ | Open coat aluminum oxide on tear-resistant polyester cloth for calibrating and intermediate sanding in woodworking. ACT and antistatic properties prevent premature clogging | 24 |
| | CS 395 X | | | | Graphite coated cloth designed to reduce friction between the back side of the belt and the contact element and to enable a smooth sanding | 21 |

Applications non-woven web rolls

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|----------------|----------------|----------------------|---------------|---------|---|------|
| Metals | NRO 400 | Aluminum oxide / SiC | Non-woven web | - | Perfectly suited for light de-burring, cleaning and surface refinement, also suited for stainless steel | 28 |
| Wood / Varnish | NRO 400 | Aluminum oxide / SiC | Non-woven web | - | Excellent suited to smoothing, cleaning and surface finishing | 28 |

● = close ● = semi-open ○ = open

| Type | Grit range | Paper |
|--------------------|------------------|--------------------------------|
| PS 22 F ACT | 40-150 | B approx. 105 g/m ² |
| PS 28 F | 60-150 | C approx. 110 g/m ² |
| PS 29 F ACT | 60-150 | D approx. 130 g/m ² |
| CS 308 Y | 40-80, 120 | E approx. 250 g/m ² |
| LS 309 X | 40-360 | F approx. 300 g/m ² |
| LS 309 J | 60-320 | |
| LS 309 JF | 60-400 | |
| CS 310 X | 24-400 | |
| CS 310 XF | 40-280 | |
| LS 312 JF | 60-320, 400 | |
| CS 321 X | 80-400 | |
| CS 333 X | 60, 80, 120, 150 | |
| CS 341 X | 50-320 | |
| KL 361 JF | 40-600 | |
| KL 385 JF | 40-600 | |
| CS 410 X | 60-120 | |
| CS 411 X | 24-120 | |
| CS 411 Y | 36-80 | |

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

Minimum order quantities for non stock items

| Width | Minimum order quantities |
|--------------|--------------------------|
| 1" | 11 pieces |
| 1-1/8" | 10 pieces |
| 1-1/4" | 9 pieces |
| 1-1/2" | 8 pieces |
| 2" | 6 pieces |
| 2-1/2" | 4 pieces |
| 3" | 4 pieces |
| 4" | 3 pieces |
| 4-1/4" to 6" | 2 pieces |
| 7"-12" | 1 piece |

Rolls with paper backing

Coated abrasives

Abrasive paper

PS 19 E/F



Properties

| | |
|---------------|-----------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | E/F-paper |

Applications:

| | |
|------|-------------------------------------|
| Wood | <input checked="" type="checkbox"/> |
|------|-------------------------------------|

Advantages: Standard product for wood parquet sanding and floor reconditioning

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 8 x 50 m | 36 | 1 | 303879 |
| 8 x 50 m | 40 | 1 | 303878 |
| 8 x 50 m | 60 | 1 | 302572 |
| 8 x 50 m | 80 | 1 | 303880 |

Abrasive paper

PS 22 F ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | F-paper |

Applications:

| | | | |
|----------------------|-------------------------------------|-----------|--------------------------|
| Wood | <input checked="" type="checkbox"/> | Steel | <input type="checkbox"/> |
| Metals | <input type="checkbox"/> | NF metals | <input type="checkbox"/> |
| Paint/Varnish/Filler | <input type="checkbox"/> | | |
| Plastic | <input type="checkbox"/> | | |

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

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

Rolls with paper backing

Coated abrasives



Rolls

Abrasive paper

PS 22 N



Properties

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

Applications:

| | | | |
|----------------------|---|---------|---|
| Wood | ● | Steel | ○ |
| Drywall | ● | Plastic | ○ |
| Metals | ○ | | |
| Paint/Varnish/Filler | ○ | | |

Advantages: Universal product for hand sanding and hand-held machine sanding of virtually any material - High stock removal capacity on hardwood and drywall

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 3-1/2 x 25 m | 80 | 1 | 293542 |
| 3-1/2 x 25 m | 100 | 1 | 293543 |
| 3-1/2 x 25 m | 120 | 1 | 293544 |
| 3-1/2 x 25 m | 150 | 1 | 293555 |
| 3-1/2 x 50 m | 80 | 1 | 293557 |
| 3-1/2 x 50 m | 100 | 1 | 293558 |
| 3-1/2 x 50 m | 120 | 1 | 293559 |
| 3-1/2 x 50 m | 150 | 1 | 293560 |
| 3-1/2 x 50 m | 180 | 1 | 293561 |

Graphite-coated canvas

CS 395 X



Properties

| | |
|---------|----------|
| Grain | Graphite |
| Coating | lamellar |
| Backing | X-cloth |

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

| Width x Length | Packing unit/pcs. | Article number |
|----------------|-------------------|----------------|
| 6 x 10 yd | 1 | 300153 |

Other grits and sizes available on request.

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



Rolls with paper backing

Coated abrasives

Finishing paper

PL 31 B



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ● |
| Metals | ○ |

Advantages: Product with optimal price-performance ratio - Optimized wear properties for hand sanding and hand-held machine sanding - Low clogging provides a long service life and a smooth surface finish

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

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

Rolls with cloth backing

Coated abrasives



Rolls

Abrasive cloth

LS 309 J



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | J-cotton |

Applications:

| | |
|--------|---|
| Metals | ● |
| Wood | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 310 X



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|--------|---|
| Metals | ● |
| Wood | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

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

Rolls with cloth backing

Coated abrasives

Abrasive cloth ANTISTATIC for drum sanders

CS 311 Y ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | Y-polyester |

Applications:

| | |
|--------|---|
| Wood | ● |
| Metals | ○ |

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

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 3 x 50 m | 60 | 1 | 299054 |
| 3 x 50 m | 80 | 1 | 260886 |
| 3 x 50 m | 100 | 1 | 260675 |
| 3 x 50 m | 120 | 1 | 260864 |
| 3 x 50 m | 150 | 1 | 299763 |
| 3 x 50 m | 220 | 1 | 299764 |
| 4 x 50 m | 80 | 1 | 299775 |
| 4 x 50 m | 100 | 1 | 235570 |
| 4 x 50 m | 120 | 1 | 299776 |
| 4 x 50 m | 150 | 1 | 289359 |
| 4 x 50 m | 180 | 1 | 302462 |
| 5 x 50 m | 80 | 1 | 302476 |
| 5 x 50 m | 120 | 1 | 302470 |

Other grits and sizes available on request.

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

Rolls with cloth backing

Coated abrasives



Rolls

Shop roll, brown

KL 361 JF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | JF-cotton |

Applications:

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

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

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 1 x 50 m | 40 | 1 | 3769 |
| 1 x 50 m | 60 | 1 | 3771 |
| 1 x 50 m | 80 | 1 | 3772 |
| 1 x 50 m | 100 | 1 | 3773 |
| 1 x 50 m | 120 | 1 | 3774 |
| 1 x 50 m | 150 | 1 | 3775 |
| 1 x 50 m | 180 | 1 | 3776 |
| 1 x 50 m | 220 | 1 | 3777 |
| 1 x 50 m | 240 | 1 | 3778 |
| 1 x 50 m | 320 | 1 | 3780 |
| 1 x 50 m | 400 | 1 | 3782 |
| 1 x 50 m | 600 | 1 | 64825 |
| 1-1/2 x 50 m | 40 | 1 | 3833 |
| 1-1/2 x 50 m | 60 | 1 | 3835 |
| 1-1/2 x 50 m | 80 | 1 | 3836 |
| 1-1/2 x 50 m | 100 | 1 | 3837 |
| 1-1/2 x 50 m | 120 | 1 | 3838 |
| 1-1/2 x 50 m | 150 | 1 | 3839 |
| 1-1/2 x 50 m | 180 | 1 | 3840 |
| 1-1/2 x 50 m | 220 | 1 | 3841 |
| 1-1/2 x 50 m | 240 | 1 | 3842 |
| 1-1/2 x 50 m | 320 | 1 | 3844 |
| 1-1/2 x 50 m | 400 | 1 | 3846 |
| 1-1/2 x 50 m | 600 | 1 | 64830 |
| 2 x 50 m | 40 | 1 | 3849 |
| 2 x 50 m | 60 | 1 | 3851 |
| 2 x 50 m | 80 | 1 | 3852 |
| 2 x 50 m | 100 | 1 | 3853 |
| 2 x 50 m | 120 | 1 | 3854 |
| 2 x 50 m | 150 | 1 | 3855 |

Other grits and sizes available on request.

Continuation →

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



Rolls with cloth backing

Coated abrasives

→ Continuation of KL 361 JF, Shop roll, brown

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 2 x 50 m | 180 | 1 | 3856 |
| 2 x 50 m | 220 | 1 | 3857 |
| 2 x 50 m | 240 | 1 | 3858 |
| 2 x 50 m | 320 | 1 | 3860 |
| 2 x 50 m | 400 | 1 | 3862 |
| 2 x 50 m | 600 | 1 | 64832 |

Abrasive cloth, brown

KL 385 JF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | JF-cotton |

Applications:

| | | | |
|-----------------|----------------------------------|------|-----------------------|
| Metals | <input checked="" type="radio"/> | Wood | <input type="radio"/> |
| NF metals | <input checked="" type="radio"/> | | |
| Stainless steel | <input type="radio"/> | | |
| Plastic | <input type="radio"/> | | |

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

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 1 x 50 m | 60 | 1 | 218196 |
| 1 x 50 m | 80 | 1 | 218197 |
| 1 x 50 m | 100 | 1 | 218198 |
| 1 x 50 m | 120 | 1 | 218199 |
| 1 x 50 m | 150 | 1 | 218200 |
| 1 x 50 m | 180 | 1 | 218201 |
| 1 x 50 m | 220 | 1 | 221136 |
| 1 x 50 m | 240 | 1 | 218202 |
| 1 x 50 m | 320 | 1 | 221138 |
| 1 x 50 m | 400 | 1 | 221140 |
| 1 x 50 m | 600 | 1 | 221142 |
| 1-1/2 x 50 m | 60 | 1 | 218079 |
| 1-1/2 x 50 m | 80 | 1 | 218080 |
| 1-1/2 x 50 m | 100 | 1 | 218081 |
| 1-1/2 x 50 m | 120 | 1 | 218082 |
| 1-1/2 x 50 m | 150 | 1 | 218083 |
| 1-1/2 x 50 m | 180 | 1 | 218084 |
| 1-1/2 x 50 m | 220 | 1 | 218085 |

Continuation →

Other grits and sizes available on request.

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

Rolls with cloth backing

Coated abrasives



→ Continuation of KL 385 JF, Abrasive cloth, brown

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 1-1/2 x 50 m | 240 | 1 | 218086 |
| 1-1/2 x 50 m | 320 | 1 | 218088 |
| 1-1/2 x 50 m | 400 | 1 | 218090 |
| 2 x 50 m | 40 | 1 | 218094 |
| 2 x 50 m | 60 | 1 | 218096 |
| 2 x 50 m | 80 | 1 | 218097 |
| 2 x 50 m | 100 | 1 | 218098 |
| 2 x 50 m | 120 | 1 | 218099 |
| 2 x 50 m | 150 | 1 | 218100 |
| 2 x 50 m | 180 | 1 | 218101 |
| 2 x 50 m | 220 | 1 | 218102 |
| 2 x 50 m | 240 | 1 | 218103 |
| 2 x 50 m | 320 | 1 | 218105 |
| 2 x 50 m | 400 | 1 | 218107 |
| 4 x 50 m | 80 | 1 | 247300 |
| 4 x 50 m | 120 | 1 | 218210 |
| 4 x 50 m | 180 | 1 | 218212 |

Other grits and sizes available on request.

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



Rolls

Non-woven web, foam

Non-woven web

NRO 400



Properties

Bonding agent Resin

Applications

Al. oxide:

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

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

| Width x Length | Grade | Grain | Colour | Packing unit/pcs. | Article number |
|----------------|-----------|-----------|--------|-------------------|----------------|
| 4 x 10 m | Medium | Al. oxide | Maroon | 1 | 258870 |
| 4 x 10 m | Very fine | Al. oxide | Maroon | 1 | 258873 |
| 6 x 10 m | Very fine | Al. oxide | Maroon | 1 | 258893 |

Abrasive cloth

SW 309 JF (FOAM)



Properties

Bonding agent Resin

Grain Aluminum oxide

Coating Close

Backing JF-cotton

Applications:

Drywall ●

Advantages: Long life cloth with cushioning foam which prevents gouging and deep scratches - Suitable for hand and pole sanding in drywall applications

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 3-1/2 x 10 m | 120 | 1 | 302629 |
| 3-1/2 x 10 m | 150 | 1 | 302630 |
| 3-1/2 x 10 m | 180 | 1 | 302631 |
| 3-1/2 x 10 m | 220 | 1 | 302628 |

Other grits/grades and sizes available on request.

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

Foam rolls, perforated

NEW

PS 73 W Soft



Properties

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

Applications:

| | |
|----------------------|---|
| Wood | ● |
| Paint/Varnish/Filler | ● |
| Plastic | ● |

Advantages: Very good distribution of sanding pressure because of elastic and conforming foam backing, which prevents over sanding of thin coatings and provides a very fine finish - High flexibility and very good adaptability to contours and profiles - Reduced clogging due to additional stearate coating and semi-open coated grain - Easy handling by tearing handy pads from a perforated roll out of a dispenser box

Available grits:

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

| Width x Length in mm | Grit | Packing unit/pcs. | Article number |
|-----------------------|------|-------------------|----------------|
| 4-1/2 x 25 m / 140 mm | 120 | 1 | 321755 |
| 4-1/2 x 25 m / 140 mm | 180 | 1 | 321756 |
| 4-1/2 x 25 m / 140 mm | 240 | 1 | 321757 |
| 4-1/2 x 25 m / 140 mm | 320 | 1 | 321758 |
| 4-1/2 x 25 m / 140 mm | 400 | 1 | 321760 |

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

Other grits and sizes available on request.

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



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 customized applications, e.g. for furniture production to enable fast and clean preparation of large surfaces ready for painting

- ▶ Wide range of sizes
- ▶ Paper and cloth backed
- ▶ All products with high tensile strength and optimum stretching resistance

Belts

Applications for abrasive belts with paper backing

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|-------------------------|--------------------|------------------|---------|---------|--|---------------|
| Steel / Stainless Steel | PS 20 F | Al. oxide | F-paper | ● | Closed coat and heavy, tear resistant backing for high stock removal rate and a long service life for metalworking | 34, 53 |
| | PS 21 F | Zirconia alumina | F-paper | ● | Closed coat, 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 | 34, 53 |
| Wood | PS 22 F ACT | Al. oxide | F-paper | ● | Closed coat for maximum stock removal and uniform scratch pattern regarding surface treatment of hard, low content woods. ACT and antistatic properties prevent premature clogging | 34, 54 |
| | PS 26 F | Al. oxide | F-paper | ○ | Open coat and a surface with high electric conductivity through an antistatic additive prevent the electrostatic charge and premature clogging of the belt, for maximum efficiency and long service life, for all kinds of wood, particularly soft and high resin woods, e.g. spruce, pine, etc. | 35, 55 |
| | PS 28 F | Al. oxide | F-paper | ○ | Open coat 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 | 35, 55 |
| | PS 29 F ACT | Al. oxide | F-paper | ○ | Abrasive belt 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 | 36, 56 |
| Paint, varnish, filler | PS 24 F ACT | SiC | F-paper | ● | Closed coat, a stable backing with hard silicon grit for painted and coated surfaces in the timber and especially the furniture industry | 35, 54 |

Applications for abrasive belts with cloth backing

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|-------------------------|---------------------|-------------------|---------------------|---------|---|---------------|
| Steel | LS 309 J | Al. oxide | J-cotton | ● | Flexible abrasive cloth for processing slightly profiled workpieces, high stock removal rate, particularly suited for metal | 36 |
| | LS 309 JF | Al. oxide | JF-cotton | ● | Highly flexible abrasive cloth for highly profiled workpieces for the manufacture of fine surfaces in metal and wood working | 36 |
| | LS 309 XH | Al. oxide | X-cotton | ● | Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish | 37 |
| | CS 310 X | Al. oxide | X-cotton | ● | Abrasive cloth for metal and wood working with stable cloth backing, for heavy duty with particularly long service life | 39, 58 |
| | CS 410 X | Al. oxide | X-cotton | ● | Abrasive cloth with tear resistant backing for heavy-duty, multibond for long service life, especially suited for stainless steel processing | 46 |
| | CS 412 Y | Al. oxide | Y-polyester | ● | Sturdy and highly tear resistant polyester backing for coarse and intermediate grinding on metal | 48, 59 |
| Steel / Stainless steel | CS 310 XF | Al. oxide | XF-cotton | ● | Flexible abrasive cloth for profiled metal formed parts, standard quality for use with hand tool belt grinders | 42 |
| | CS 411 X | Zirconia alumina | X-cotton | ● | High performance belt with high stock removal rate for rough grinding and deburring of steel and stainless steel | 46 |
| | CS 411 Y | Zirconia alumina | Y-polyester | ● | Particularly tear resistant high performance belt with high stock removal rate for rough grinding and deburring of stainless steel and steel | 47 |
| | CS 416 Y | Zirconia alumina | Y-polyester | ○ | Extra tear resistant abrasive belt with high stock removal rates for grinding steel and stainless steel with a semi-open coat | 49 |
| | CS 330 X | SiC / cork | X-cotton waterproof | ● | Special belt for steel and stainless steel on surface belt grinders and circular grinding machines, particularly suitable for satin polishing and finishing | 45 |
| | CS 811 Y ACT | Zirconia alumina | Y-polyester | ● | Excellent grain adhesion, stable, highly tear-resistant polyester backing for particularly high duty during rough grinding and deburring of steel and stainless steel. High quality zirconia alumina for highest aggressiveness over the complete service life | 49 |
| Stainless steel | LS 312 JF | Al. oxide | JF-cotton | ● | Highly flexible, specially coated high quality product for stainless steel shaped parts e.g. fittings, mountings and surgical instruments | 42 |
| | CS 931 JF | Ceramic al. oxide | JF-cotton | ○ | Special product with highly flexible backing for use on stainless steel and high alloy steels. Continuously aggressive abrasive performance with a long service life due to semi-open coat self-sharpening ceramic grit. Multibond for "cool grinding" with no discolouration | 50 |

● = close ○ = semi-open ○ = open

Continuation →



Abrasive belts

Applications guide

| Applications for abrasive belts with cloth backing | | | | | | |
|--|----------------------|-----------------------|---------------------|---------|--|--------|
| Application | Type | Grain | Backing | Coating | Characteristics | Page |
| Stainless steel | CS 631 XF | Ceramic al. oxide | XF-cotton | ● | Flexible highly efficient belt for best grinding performance, long service life through self-sharpening ceramic grain for rough and intermediate grinding of contours, profiles and fittings, with multibond for cool grinding | 49 |
| | CS 411 X | Zirconia alumina | X-cotton | ● | High performance belt with high stock removal rate for rough grinding and deburring of steel and stainless steel | 46 |
| | CS 411 Y | Zirconia alumina | Y-polyester | ● | Particularly tear resistant high performance belt with high stock removal rate for rough grinding and deburring of stainless steel and steel | 47 |
| | CS 416 Y | Zirconia alumina | Y-polyester | ● | Extra tear resistant abrasive belt with high stock removal rates for grinding steel and stainless steel with a semi-open coat | 49 |
| | CS 409 Y | Zirconia alumina | Y-polyester | ● | Extremely tear resistant high performance belt with high stock removal efficiency and long service life due to additional multibond, for stainless steel and high alloy steels, cool grinding | 45 |
| | CS 912 Y ACT | Ceramic al. oxide | Y-polyester | ● | Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels | 50 |
| | CS 910 Y ACT | Ceramic al. oxide | Y-polyester | ● | Extremely tear resistant high performance belt with self-sharpening ceramic grain for high stock removal efficiency and long service life for processing high alloy steels, multibond for cool grinding | 50 |
| | CS 330 X | SiC / cork | X-cotton waterproof | ● | Special belt for steel and stainless steel on surface belt grinders and circular grinding machines, particularly suitable for satin polishing and finishing | 45 |
| | CS 326 Y | Al. oxide agglomerate | Y-polyester | ● | Long life belt for wet grinding with extremely long service and uniform scratch pattern for centerless circular and surface grinding | 45 |
| Wood | CS 811 Y ACT | Zirconia alumina | Y-polyester | ● | Excellent grain adhesion, stable, highly tear resistant polyester backing for particularly high duty during rough grinding and deburring of steel and stainless steel. High quality zirconia alumina for highest aggressiveness over the complete service life | 49 |
| | LS 309 XH | Al. oxide | X-cloth | ● | Standard quality for portable belt sanders, especially suited for the processing of metal, wood, paint and varnish | 37 |
| | CS 311 Y ACT | Al. oxide | Y-polyester | ○ | Aluminum oxide quality with an open coat on tear resistant polyester backing for calibration and intermediate grinding when working with wood | 41, 57 |
| Glass | LS 318 JF ACT | Al. oxide | JF-cloth | ○ | Highly flexible J-Flex backing for intermediate sanding and finishing of highly profiled and curved wooden parts. ACT and antistatic properties prevent premature clogging | 42 |
| | CS 320 Y | SiC | Y-polyester | ● | Highly tear resistant special belt for high demands for wet and dry grinding of glass, ceramic and plastic | 43, 58 |
| | CS 321 X | SiC | X-cloth | ● | Special belt for wet and dry grinding of glass, ceramic and plastic | 44 |
| | CS 322 X | (Cork) | X-cloth waterproof | ● | Special belt for polishing glass | 44 |

| Applications for non-woven web belts | | | | | | |
|--------------------------------------|----------------|-----------|----------------------------------|---------|--|------|
| Application | Type | Grain | Backing | Coating | Characteristics | Page |
| Stainless steel | NBF 820 | Al. oxide | Non-woven web + polyester lining | | Special product for working metal and stainless steel surfaces with a tool belt grinder. Very high service life, no premature clogging, high edge stability, tear resistant belt joint | 51 |
| | NBS 820 | Al. oxide | Non-woven web + polyester lining | | Structure as for NBF 820, though for handheld machines with larger pulleys and stationary belt sanders | 51 |

● = close ● = semi-open ○ = open

Minimum order quantities for non stock items:

| Width | Minimum order quantities |
|---------------------------|--------------------------|
| Dynaflex belts 1/8" to 1" | 50 pieces |
| 1" - 2" | 24 pieces |
| 3" | 20 pieces |
| 4" | 15 pieces |
| 5" - 6" | 10 pieces |
| 6" - 12" | 10 pieces |
| 16" and greater | 5 pieces |

Minimum order quantities NBF 820 / NBS 820

| Width | Minimum order quantities |
|-------------------|--------------------------|
| Dynaflex up to 1" | 10 pieces |
| 2" and greater | 2 pieces |

In general, belts are manufactured from 12" material, exact quantities are not always possible and over or under shipments may occur.

Short and long belts

Applications guide



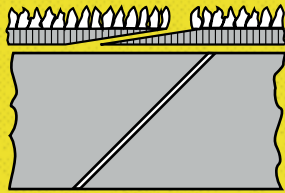
Belt joints for long and short belts

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

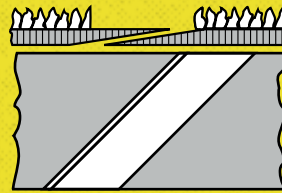
The available types of joint are listed in the product charts on the following product pages.

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

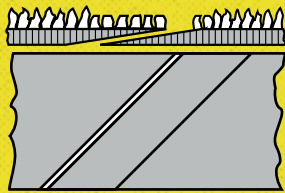
Belts



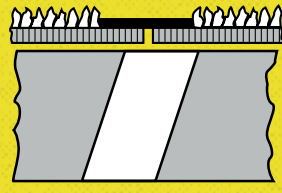
Type 1
Diagonal cut, glued overlapped.



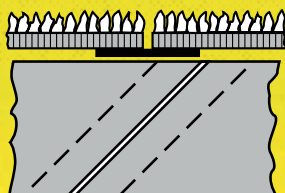
Type 5
Overlapping glued joint. Grit zone is completely ground off. Preferred joint for wood finishes with flat contact elements



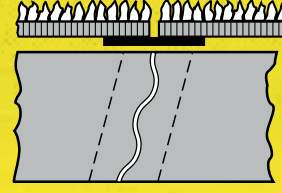
Type 2
Diagonal cut, glued overlapped. Grain tips are completely removed from the overlap to provide for a smoother running belt



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



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



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



Belts with paper backing

Coated abrasives

Abrasive paper

PS 20 F



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | F-paper |

Applications:

| | |
|-----------------|---|
| Metals | ● |
| NF metals | ● |
| Stainless steel | ● |
| Steel | ○ |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper

PS 21 F



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |
| Steel | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 22 FACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | F-paper |

Applications:

| | | | |
|----------------------|---|---------|---|
| Wood | ● | Plastic | ○ |
| Metals | ○ | | |
| NF metals | ○ | | |
| Paint/Varnish/Filler | ○ | | |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with paper backing

Coated abrasives



Belts

Abrasive paper, ANTISTATIC

PS 24 F ACT



Properties

| | |
|---------------|---------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | F-paper |

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Plastic | ● |
| Wood | ○ |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper SUPER ANTISTATIC

PS 26 F



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | F-paper |

Applications:

| | |
|------|---|
| Wood | ● |
|------|---|

Advantages: Premium quality paper for solid wood and veneer - Very long service life - No dust adhesion due to perfect antistatic properties

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 28 F



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | F-paper |

Applications:

| | |
|------|---|
| Wood | ● |
|------|---|

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with paper / cloth backing

Coated abrasives

Abrasive paper, ANTISTATIC

PS 29 FACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum 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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

LS 309 J



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | J-cotton |

Applications:

| | |
|-----------|---|
| Metals | ● |
| NF metals | ● |
| Wood | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

LS 309 JF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | JF-cotton |

Applications:

| | |
|-----------|---|
| Metals | ● |
| NF metals | ● |
| Wood | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives



Abrasive cloth

LS 309 XH



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|-----------|---|
| Metals | ● |
| NF metals | ● |
| Wood | ● |

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

Available grits:

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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 1 x 30 | 60 | 4 | 10 | 302851 |
| 1 x 30 | 80 | 4 | 10 | 302852 |
| 1 x 30 | 100 | 4 | 10 | 302848 |
| 1 x 30 | 120 | 4 | 10 | 302849 |
| 1 x 30 | 150 | 4 | 10 | 302850 |
| 1 x 42 | 80 | 4 | 10 | 302855 |
| 1 x 42 | 100 | 4 | 10 | 302853 |
| 1 x 42 | 120 | 4 | 10 | 302854 |
| 2-1/2 x 14 | 60 | 4 | 10 | 302858 |
| 2-1/2 x 14 | 80 | 4 | 10 | 302859 |
| 2-1/2 x 14 | 100 | 4 | 10 | 302856 |
| 2-1/2 x 14 | 120 | 4 | 10 | 302857 |
| 3 x 18 | 80 | 4 | 10 | 302879 |
| 3 x 18 | 120 | 4 | 10 | 302878 |
| 3 x 21 | 40 | 5 | 10 | 4137 |
| 3 x 21 | 50 | 5 | 10 | 4138 |
| 3 x 21 | 60 | 5 | 10 | 4139 |
| 3 x 21 | 80 | 5 | 10 | 4140 |
| 3 x 21 | 100 | 5 | 10 | 4141 |
| 3 x 21 | 120 | 5 | 10 | 4142 |
| 3 x 21 | 150 | 5 | 10 | 4143 |
| 3 x 21 | 180 | 5 | 10 | 4144 |
| 3 x 24 | 40 | 5 | 10 | 37285 |
| 3 x 24 | 50 | 5 | 10 | 230923 |
| 3 x 24 | 60 | 5 | 10 | 38842 |
| 3 x 24 | 80 | 5 | 10 | 40365 |
| 3 x 24 | 100 | 5 | 10 | 41576 |
| 3 x 24 | 120 | 5 | 10 | 42642 |
| 3 x 24 | 150 | 5 | 10 | 326488 |
| 3 x 24 | 180 | 5 | 10 | 326489 |
| 4 x 24 | 40 | 5 | 10 | 4478 |
| 4 x 24 | 50 | 5 | 10 | 4479 |
| 4 x 24 | 60 | 5 | 10 | 4480 |

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives

→ Continuation of LS 309 XH, Abrasive cloth

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 4 x 24 | 80 | 5 | 10 | 4481 |
| 4 x 24 | 100 | 5 | 10 | 4482 |
| 4 x 24 | 120 | 5 | 10 | 4483 |
| 4 x 24 | 150 | 5 | 10 | 4484 |
| 4 x 24 | 180 | 5 | 10 | 43302 |
| 4 x 36 | 40 | 4 | 10 | 302863 |
| 4 x 36 | 50 | 4 | 10 | 302864 |
| 4 x 36 | 60 | 4 | 10 | 302865 |
| 4 x 36 | 80 | 4 | 10 | 302866 |
| 4 x 36 | 100 | 4 | 10 | 302860 |
| 4 x 36 | 120 | 4 | 10 | 302861 |
| 4 x 36 | 150 | 4 | 10 | 302862 |
| 6 x 48 | 40 | 4 | 10 | 326470 |
| 6 x 48 | 60 | 4 | 10 | 326471 |
| 6 x 48 | 80 | 4 | 10 | 315967 |
| 6 x 48 | 100 | 4 | 10 | 326472 |
| 6 x 48 | 120 | 4 | 10 | 326473 |
| 6 x 48 | 150 | 4 | 10 | 315966 |
| 6 x 48 | 180 | 4 | 10 | 326474 |
| 6 x 89 | 80 | 4 | 10 | 326475 |
| 6 x 89 | 100 | 4 | 10 | 326476 |
| 6 x 89 | 120 | 4 | 10 | 326477 |
| 6 x 89 | 150 | 4 | 10 | 326478 |
| 6 x 108 | 80 | 4 | 10 | 326479 |
| 6 x 108 | 100 | 4 | 10 | 326480 |
| 6 x 108 | 120 | 4 | 10 | 326481 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives



Abrasive cloth

CS 310 X



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

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

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

Available grits:

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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 3/8 x 13 | 60 | 4 | 25 | 232770 |
| 3/8 x 13 | 80 | 4 | 25 | 302667 |
| 3/8 x 13 | 100 | 4 | 25 | 302665 |
| 3/8 x 13 | 120 | 4 | 25 | 302666 |
| 1/2 x 18 | 60 | 4 | 25 | 302635 |
| 1/2 x 18 | 80 | 4 | 25 | 302636 |
| 1/2 x 18 | 100 | 4 | 25 | 302632 |
| 1/2 x 18 | 120 | 4 | 25 | 302633 |
| 1/2 x 18 | 220 | 4 | 25 | 302634 |
| 1/2 x 24 | 80 | 4 | 25 | 302638 |
| 1/2 x 24 | 120 | 4 | 25 | 302637 |
| 3/4 x 18 | 36 | 4 | 25 | 302655 |
| 3/4 x 18 | 60 | 4 | 25 | 302656 |
| 3/4 x 18 | 80 | 4 | 25 | 302657 |
| 3/4 x 20-1/2 | 36 | 4 | 25 | 297032 |
| 3/4 x 20-1/2 | 40 | 4 | 25 | 302661 |
| 3/4 x 20-1/2 | 50 | 4 | 25 | 302662 |
| 3/4 x 20-1/2 | 60 | 4 | 25 | 302663 |
| 3/4 x 20-1/2 | 80 | 4 | 25 | 302664 |
| 3/4 x 20-1/2 | 120 | 4 | 25 | 302658 |
| 3/4 x 20-1/2 | 180 | 4 | 25 | 302659 |
| 1 x 42 | 60 | 4 | 10 | 303795 |
| 1 x 42 | 80 | 4 | 10 | 303794 |
| 1 x 42 | 100 | 4 | 10 | 302643 |
| 1 x 42 | 120 | 4 | 10 | 302644 |
| 1 x 42 | 320 | 4 | 10 | 302645 |
| 1-1/8 x 21 | 40 | 4 | 10 | 302640 |
| 1-1/8 x 21 | 60 | 4 | 10 | 302641 |
| 1-1/8 x 21 | 80 | 4 | 10 | 302642 |
| 1-1/8 x 21 | 120 | 4 | 10 | 302639 |
| 2 x 72 | 36 | 4 | 5 | 302651 |
| 2 x 72 | 50 | 4 | 10 | 302652 |

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives

→ Continuation of CS 310 X, Abrasive cloth

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 2 x 72 | 60 | 4 | 10 | 302653 |
| 2 x 72 | 80 | 4 | 10 | 302654 |
| 2 x 72 | 120 | 4 | 10 | 302650 |
| 3 x 21 | 36 | 4 | 5 | 302676 |
| 3 x 24 | 24 | 4 | 5 | 302677 |
| 3 x 24 | 36 | 4 | 5 | 302678 |
| 3 x 48 | 60 | 4 | 10 | 302680 |
| 3 x 48 | 80 | 4 | 10 | 302681 |
| 3-1/2 x 15-1/2 | 50 | 4 | 10 | 302671 |
| 3-1/2 x 15-1/2 | 60 | 4 | 10 | 302672 |
| 3-1/2 x 15-1/2 | 80 | 4 | 10 | 302673 |
| 3-1/2 x 15-1/2 | 120 | 4 | 10 | 302668 |
| 3-1/2 x 15-1/2 | 150 | 4 | 10 | 302669 |
| 3-1/2 x 15-1/2 | 180 | 4 | 10 | 302670 |
| 4 x 24 | 24 | 4 | 5 | 302682 |
| 4 x 24 | 36 | 4 | 5 | 302683 |
| 4 x 36 | 36 | 4 | 10 | 302686 |
| 4 x 36 | 60 | 4 | 10 | 302687 |
| 4 x 36 | 80 | 4 | 10 | 302688 |
| 4 x 36 | 120 | 4 | 10 | 302684 |
| 6 x 48 | 36 | 4 | 5 | 302699 |
| 6 x 48 | 40 | 4 | 10 | 302700 |
| 6 x 48 | 50 | 4 | 10 | 302701 |
| 6 x 48 | 60 | 4 | 10 | 302702 |
| 6 x 48 | 80 | 4 | 10 | 302703 |
| 6 x 48 | 100 | 4 | 10 | 302695 |
| 6 x 48 | 120 | 4 | 10 | 302696 |
| 6 x 48 | 180 | 4 | 10 | 302697 |
| 6 x 48 | 220 | 4 | 10 | 302698 |
| 6 x 60 | 60 | 4 | 10 | 302704 |
| 6 x 60 | 80 | 4 | 10 | 302705 |
| 6 x 89 | 60 | 4 | 10 | 302709 |
| 6 x 89 | 80 | 4 | 10 | 302710 |
| 6 x 89 | 100 | 4 | 10 | 302707 |
| 6 x 89 | 120 | 4 | 10 | 302708 |
| 6 x 108 | 60 | 4 | 10 | 302692 |
| 6 x 108 | 80 | 4 | 10 | 302693 |
| 6 x 108 | 100 | 4 | 10 | 302689 |
| 6 x 108 | 120 | 4 | 10 | 302690 |
| 6 x 158 | 80 | 4 | 10 | 302694 |
| 6 x 158 | 100 | 4 | 10 | 326513 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives



Abrasive cloth ANTISTATIC

CS 311 Y ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | Y-polyester |

Applications:

| | |
|--------|---|
| Wood | ● |
| Metals | ○ |

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

Available grits:

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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 3 x 24 | 60 | 4 | 10 | 302714 |
| 3 x 24 | 80 | 4 | 10 | 302715 |
| 3 x 24 | 100 | 4 | 10 | 302712 |
| 3 x 24 | 120 | 4 | 10 | 302713 |
| 4 x 24 | 40 | 4 | 10 | 302718 |
| 4 x 24 | 60 | 4 | 10 | 302719 |
| 4 x 24 | 80 | 4 | 10 | 302720 |
| 4 x 24 | 100 | 4 | 10 | 302716 |
| 4 x 24 | 120 | 4 | 10 | 302717 |
| 6 x 48 | 60 | 4 | 10 | 283342 |
| 6 x 48 | 80 | 4 | 10 | 283343 |
| 6 x 48 | 100 | 4 | 10 | 284238 |
| 6 x 89 | 80 | 4 | 10 | 302729 |
| 6 x 89 | 100 | 4 | 10 | 302727 |
| 6 x 89 | 120 | 4 | 10 | 302728 |
| 6 x 108 | 60 | 4 | 10 | 302723 |
| 6 x 108 | 80 | 4 | 10 | 302724 |
| 6 x 108 | 100 | 4 | 10 | 302721 |
| 6 x 108 | 120 | 4 | 10 | 302722 |
| 6 x 158 | 80 | 4 | 10 | 302726 |
| 6 x 158 | 100 | 4 | 10 | 302725 |
| 6 x 158 | 120 | 4 | 10 | 322528 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives

Abrasive cloth

CS 310 XF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum 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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, specially coated

LS 312 JF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | JF-cotton |

Applications:

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

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth ANTISTATIC, SUPERFLEX

LS 318 JF ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | JF-cotton |

Applications:

| | |
|------|---|
| Wood | ● |
|------|---|

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

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 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 1-1/8 x 21 | 40 | 7 | 40 | 302733 |
| 1-1/8 x 21 | 60 | 7 | 40 | 302734 |
| 1-1/8 x 21 | 80 | 7 | 40 | 302735 |
| 1-1/8 x 21 | 100 | 7 | 40 | 302730 |
| 1-1/8 x 21 | 120 | 7 | 40 | 302731 |
| 1-1/8 x 21 | 180 | 7 | 40 | 302732 |
| 3 x 21 | 80 | 7 | 10 | 302738 |
| 3 x 21 | 120 | 7 | 10 | 302736 |
| 3 x 21 | 180 | 7 | 10 | 302737 |
| 3 x 24 | 60 | 7 | 10 | 302741 |
| 3 x 24 | 80 | 7 | 10 | 302742 |
| 3 x 24 | 120 | 7 | 10 | 302739 |
| 3 x 24 | 180 | 7 | 10 | 302740 |
| 4 x 106 | 60 | 7 | 10 | 302746 |
| 4 x 106 | 80 | 7 | 10 | 302747 |
| 4 x 106 | 100 | 7 | 10 | 302743 |
| 4 x 106 | 120 | 7 | 10 | 302744 |
| 4 x 106 | 180 | 7 | 10 | 302745 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

CS 321 X



Properties

| | |
|---------------|----------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|-------------------------|---|
| Glass/Stone | ● |
| Mineral-based materials | ● |
| Plastic | ● |

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

Available grits:

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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 1-1/8 x 21 | 220 | 7 | 40 | 302749 |
| 1-1/8 x 21 | 240 | 7 | 40 | 302750 |
| 1-1/8 x 21 | 320 | 7 | 40 | 302751 |
| 1-1/8 x 21 | 400 | 7 | 40 | 302752 |
| 1-1/8 x 21 | 500 | 7 | 40 | 302753 |
| 1-1/8 x 21 | 800 | 7 | 40 | 302754 |
| 3 x 24 | 220 | 7 | 10 | 302755 |
| 3 x 24 | 240 | 7 | 10 | 302756 |
| 3 x 24 | 400 | 7 | 10 | 302757 |
| 4 x 106 | 220 | 7 | 10 | 302758 |
| 4 x 106 | 320 | 7 | 10 | 302759 |
| 4 x 106 | 400 | 7 | 10 | 302760 |

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

| Width x Length | Belt joint | Packing unit/pcs. | Article number |
|----------------|------------|-------------------|----------------|
| 1-1/8 x 21 | 1 | 20 | 55830 |
| 4 x 106 | 1 | 10 | 306319 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives



Belts

Abrasive cloth, KULEX

CS 326 Y



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, 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 and polishing with low surface roughness, polishable - Special belt for satin final finishing of stainless steel and steel surfaces with cork granulate with SiC/resin coating

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

CS 409 Y



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| NF metals | ○ |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.



Belts with cloth backing

Coated abrasives

Abrasive cloth, multibond

CS 410 X



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| NF metals | ○ |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth

CS 411 X



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |
| Metals | ● |

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

Available grits:

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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 1 x 42 | 80 | 4 | 10 | 302763 |
| 1 x 42 | 120 | 4 | 10 | 302762 |
| 2 x 72 | 50 | 4 | 10 | 302765 |
| 2 x 72 | 80 | 4 | 10 | 302766 |
| 2 x 72 | 120 | 4 | 10 | 302764 |
| 3 x 48 | 60 | 4 | 10 | 302768 |
| 3 x 48 | 80 | 4 | 10 | 302769 |
| 4 x 36 | 60 | 4 | 10 | 302771 |
| 4 x 36 | 80 | 4 | 10 | 302772 |
| 4 x 132 | 36 | 4 | 5 | 302770 |
| 6 x 48 | 36 | 4 | 5 | 302776 |
| 6 x 48 | 50 | 4 | 10 | 302777 |
| 6 x 48 | 60 | 4 | 10 | 302778 |
| 6 x 48 | 80 | 4 | 10 | 255426 |
| 6 x 48 | 120 | 4 | 10 | 322529 |
| 6 x 108 | 60 | 4 | 10 | 326482 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

CS 411 Y



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |
| Metals | ● |

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

Available grits:

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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 3/8 x 13 | 60 | 4 | 25 | 302797 |
| 3/8 x 13 | 80 | 4 | 25 | 302798 |
| 1/2 x 18 | 36 | 4 | 25 | 326483 |
| 1/2 x 18 | 60 | 4 | 25 | 302780 |
| 1/2 x 18 | 80 | 4 | 25 | 302781 |
| 1/2 x 24 | 50 | 4 | 25 | 302783 |
| 1/2 x 24 | 60 | 4 | 25 | 302784 |
| 1/2 x 24 | 80 | 4 | 25 | 302785 |
| 1/2 x 24 | 120 | 4 | 25 | 302782 |
| 3/4 x 18 | 40 | 4 | 25 | 302787 |
| 3/4 x 18 | 60 | 4 | 25 | 302788 |
| 3/4 x 18 | 80 | 4 | 25 | 302789 |
| 3/4 x 20-1/2 | 50 | 4 | 25 | 302790 |
| 3/4 x 20-1/2 | 60 | 4 | 25 | 302791 |
| 3/4 x 20-1/2 | 80 | 4 | 25 | 302792 |
| 3 x 90 | 36 | 4 | 10 | 302799 |
| 3 x 90 | 60 | 4 | 10 | 302800 |
| 3 x 90 | 80 | 4 | 10 | 302801 |
| 4 x 132 | 36 | 4 | 5 | 302802 |
| 4 x 132 | 60 | 4 | 10 | 302803 |
| 4 x 132 | 80 | 4 | 10 | 302804 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives

Abrasive cloth, waterproof

CS 412 Y



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum 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 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 1/2 x 18 | 40 | 4 | 25 | 322533 |
| 1/2 x 18 | 60 | 4 | 25 | 302805 |
| 1/2 x 18 | 80 | 4 | 25 | 302806 |
| 1/2 x 24 | 60 | 4 | 25 | 74434 |
| 1/2 x 24 | 80 | 4 | 25 | 302808 |
| 1/2 x 24 | 120 | 4 | 25 | 201590 |
| 3/4 x 18 | 40 | 4 | 25 | 302817 |
| 3/4 x 18 | 50 | 4 | 25 | 302818 |
| 3/4 x 18 | 60 | 4 | 25 | 302819 |
| 3/4 x 18 | 80 | 4 | 25 | 302820 |
| 3/4 x 18 | 120 | 4 | 25 | 302816 |
| 3/4 x 20-1/2 | 40 | 4 | 25 | 296977 |
| 3/4 x 20-1/2 | 60 | 4 | 25 | 302795 |
| 3/4 x 20-1/2 | 80 | 4 | 25 | 302796 |
| 3/4 x 20-1/2 | 120 | 4 | 25 | 302793 |
| 3/4 x 20-1/2 | 180 | 4 | 25 | 302794 |
| 3/4 x 20-1/2 | 240 | 4 | 25 | 322534 |
| 3 x 132 | 36 | 4 | 5 | 302826 |
| 3 x 132 | 60 | 4 | 10 | 302827 |
| 3 x 132 | 80 | 4 | 10 | 302828 |
| 3 x 132 | 120 | 4 | 10 | 302823 |
| 3 x 132 | 150 | 4 | 10 | 302824 |
| 3 x 132 | 240 | 4 | 10 | 302825 |
| 4 x 132 | 80 | 4 | 10 | 302832 |
| 4 x 132 | 120 | 4 | 10 | 302830 |
| 4 x 132 | 240 | 4 | 10 | 302831 |
| 7-7/8 x 29-1/2 | 24 | 4 | 5 | 302834 |
| 7-7/8 x 29-1/2 | 36 | 4 | 5 | 302835 |
| 7-7/8 x 29-1/2 | 40 | 4 | 5 | 302836 |
| 7-7/8 x 29-1/2 | 50 | 7 | 5 | 302837 |
| 7-7/8 x 29-1/2 | 60 | 7 | 5 | 302838 |
| 7-7/8 x 29-1/2 | 80 | 7 | 5 | 302839 |
| 7-7/8 x 29-1/2 | 100 | 7 | 5 | 302833 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Belts with cloth backing

Coated abrasives



Belts

Abrasive cloth, waterproof

CS 416 Y



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Plastic | ● |
| Leather | ● |
| NF metals | ○ |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

CS 631 XF



Properties

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

Applications:

| | |
|--------------------|---|
| Stainless steel | ● |
| Titanium / - alloy | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 811 Y ACT



Properties

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

Applications:

| | |
|-------------------|---|
| Die-cast Aluminum | ● |
| Stainless steel | ● |
| Steel | ● |

Advantages: High aggressiveness and abrasive performance; specially developed for applications under high stress - Especially good grain adhesion and service life due to ACT recipe

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.



Belts with cloth backing

Coated abrasives

Abrasive cloth, multibond

CS 910 Y ACT



Properties

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

Applications:

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

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 912 Y ACT



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, multibond

CS 931 JF



NEW



Properties

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

Applications:

| | |
|--------------------|---|
| Stainless steel | ● |
| Titanium / - alloy | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Abrasive belts

Non-woven web



Non-woven textile belt

NBF 820



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| NF metals | ● |
| Metals | ○ |

Advantages: Special product for working metal and stainless steel surfaces with hand-guided machinery - Very high service life, no premature clogging, high edge stability, tear-resistant belt joint

| Width x Length | Grade | Colour | Belt joint | Packing unit/pcs. | Article number |
|----------------|-----------|--------|------------|-------------------|----------------|
| 1/2 x 12 | Medium | Maroon | 4 | 25 | 326540 |
| 1/2 x 18 | Coarse | Brown | 4 | 10 | 303596 |
| 1/2 x 18 | Medium | Maroon | 4 | 10 | 303597 |
| 1/2 x 18 | Very Fine | Blue | 4 | 10 | 303598 |
| 1/2 x 24 | Coarse | Brown | 4 | 10 | 303599 |
| 1/2 x 24 | Medium | Maroon | 4 | 10 | 303600 |
| 1/2 x 24 | Very Fine | Blue | 4 | 10 | 303601 |
| 3/4 x 18 | Coarse | Brown | 4 | 10 | 303610 |
| 3/4 x 18 | Medium | Maroon | 4 | 10 | 303611 |
| 3/4 x 18 | Very Fine | Blue | 4 | 10 | 303606 |
| 3/4 x 20-1/2 | Coarse | Brown | 4 | 10 | 303602 |
| 3/4 x 20-1/2 | Medium | Maroon | 4 | 10 | 303603 |
| 3/4 x 20-1/2 | Very Fine | Blue | 4 | 10 | 303604 |

Non-woven textile belt

NBS 820



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| NF metals | ● |
| Metals | ○ |

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

| Width x Length | Grade | Colour | Belt joint | Packing unit/pcs. | Article number |
|----------------|-----------|--------|------------|-------------------|----------------|
| 3 x 132 | Coarse | Brown | 4 | 2 | 303618 |
| 3 x 132 | Medium | Maroon | 4 | 2 | 303619 |
| 3 x 132 | Very Fine | Blue | 4 | 2 | 303620 |
| 3-1/2 x 15-1/2 | Coarse | Brown | 4 | 10 | 303613 |
| 3-1/2 x 15-1/2 | Medium | Maroon | 4 | 10 | 303615 |
| 3-1/2 x 15-1/2 | Very Fine | Blue | 4 | 10 | 303616 |
| 5-3/8 x 11-5/8 | Coarse | Brown | 4 | 10 | 326541 |
| 5-3/8 x 11-5/8 | Medium | Maroon | 4 | 10 | 326542 |
| 6 x 48 | Medium | Maroon | 4 | 2 | 303608 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 33.

Wide belts

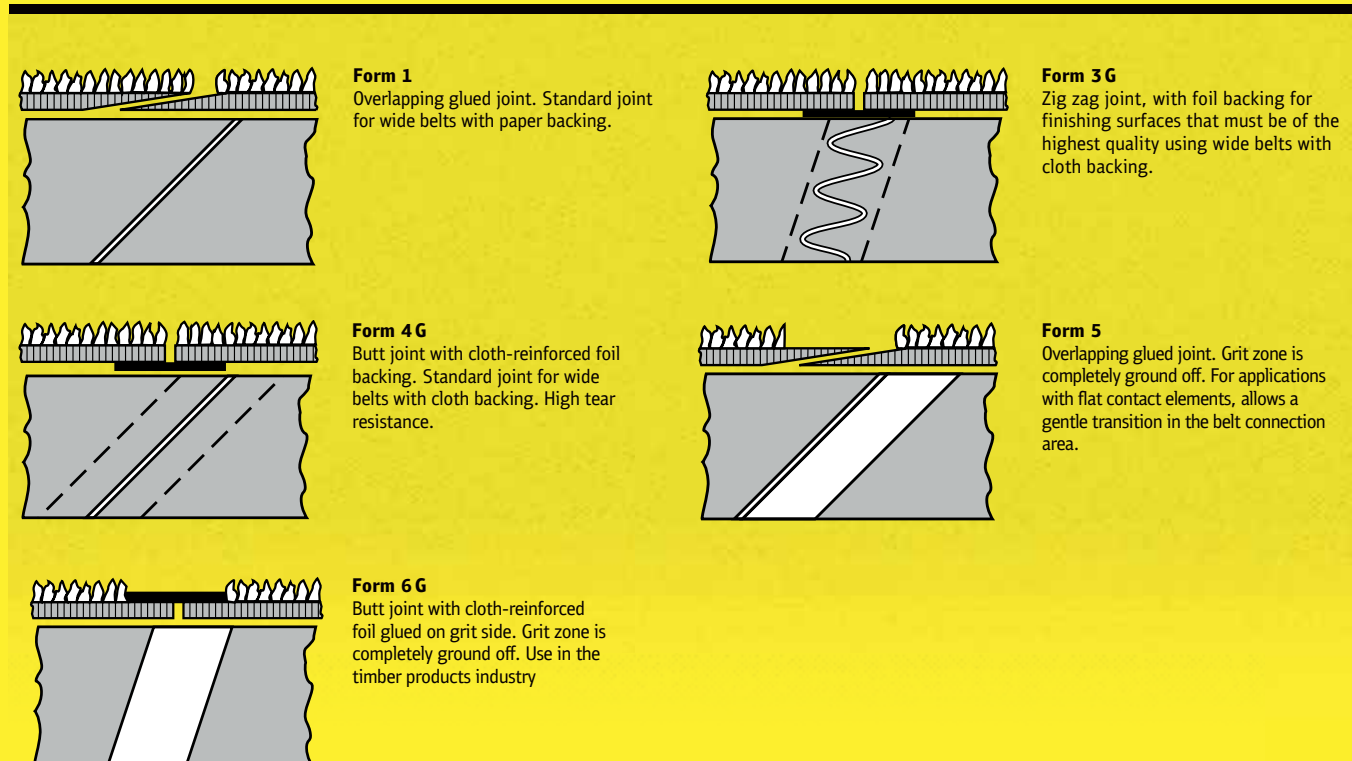
Applications guide

Belt joints for wide belts

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

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

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



Wide belts with paper backing

Coated abrasives



Abrasive paper

PS 20 F



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | F-paper |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |
| NF metals | ● |
| Steel | ○ |

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

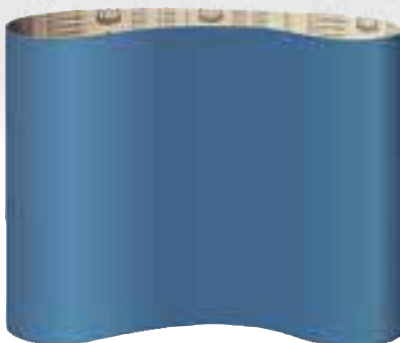
Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper

PS 21 F



Properties

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

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |
| Steel | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.

Wide belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

PS 22 F ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum 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

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 37 x 60 | 120 | 1 | 5 | 322535 |
| 37 x 60 | 150 | 1 | 5 | 322536 |

Abrasive paper, ANTISTATIC

PS 24 F ACT



Properties

| | |
|---------------|---------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | F-paper |

Applications:

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

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.

Wide belts with paper backing

Coated abrasives



Abrasive paper, SUPER ANTISTATIC

PS 26 F



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | F-paper |

Applications:

| | |
|------|---|
| Wood | ● |
|------|---|

Advantages: Premium type for use on wood and veneer - High tear resistance, smooth belt operation - Optimal electrical conductivity, no dust accumulation due to perfect antistatic properties

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive paper, ANTISTATIC

PS 28 F



NEW

Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | F-paper |

Applications:

| | |
|---------|---|
| Wood | ● |
| Leather | ● |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.

Wide belts with paper backing

Coated abrasives

Abrasive paper, ANTISTATIC

PS 29 F ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Open |
| Backing | F-paper |

Applications:

| | |
|------|---|
| Wood | ● |
|------|---|

Advantages: High-quality universal type for general woodworking - Large product mix - Reduced clogging and longer service life due to ACT recipe and antistatic properties

Available grits:

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

| Width x Length in mm | Grit | Belt joint | Packing unit/pcs. | Article number |
|-------------------------|------|---------------|----------------------|-------------------|
| 25 x 60 | 120 | 1 | 5 | 302915 |
| 25 x 60 | 150 | 1 | 5 | 302916 |
| 25 x 60 | 180 | 1 | 5 | 302917 |
| 36 x 75 | 120 | 1 | 5 | 302918 |
| 36 x 75 | 150 | 1 | 5 | 302919 |
| 36 x 75 | 180 | 1 | 5 | 302920 |
| 37 x 60 | 120 | 1 | 5 | 302921 |
| 37 x 60 | 150 | 1 | 5 | 302922 |
| 37 x 75 | 120 | 1 | 5 | 302923 |
| 37 x 75 | 150 | 1 | 5 | 302924 |
| 37 x 75 | 180 | 1 | 5 | 302925 |
| 52 x 103 | 120 | 1 | 5 | 306320 |
| 52 x 103 | 150 | 1 | 5 | 306321 |
| 52 x 103 | 180 | 1 | 5 | 306322 |
| 52 x 103 | 220 | 1 | 5 | 306323 |
| 53 x 103 | 120 | 1 | 5 | 322541 |
| 53 x 103 | 150 | 1 | 5 | 322542 |
| 53 x 103 | 180 | 1 | 5 | 322543 |
| 54 x 103 | 80 | 1 | 5 | 326469 |
| 54 x 103 | 120 | 1 | 5 | 326466 |
| 54 x 103 | 150 | 1 | 5 | 326467 |
| 54 x 103 | 180 | 1 | 5 | 326468 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.

Wide belts with cloth backing

Coated abrasives



Abrasive cloth ANTISTATIC

CS 311 Y ACT



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum 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 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Width x Length | Grit | Belt joint | Packing unit/pcs. | Article number |
|----------------|------|------------|-------------------|----------------|
| 25 x 60 | 80 | 4 | 5 | 302907 |
| 25 x 60 | 100 | 4 | 5 | 302904 |
| 25 x 60 | 120 | 4 | 5 | 302905 |
| 25 x 60 | 150 | 4 | 5 | 302906 |
| 37 x 60 | 80 | 4 | 5 | 302910 |
| 37 x 60 | 100 | 4 | 5 | 282744 |
| 37 x 60 | 120 | 4 | 5 | 302908 |
| 37 x 60 | 150 | 4 | 5 | 302909 |
| 37 x 75 | 60 | 4 | 5 | 302913 |
| 37 x 75 | 80 | 4 | 5 | 302914 |
| 37 x 75 | 100 | 4 | 5 | 326487 |
| 37 x 75 | 120 | 4 | 5 | 302911 |
| 37 x 75 | 150 | 4 | 5 | 302912 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.

Wide belts with cloth backing

Coated abrasives

Abrasive cloth

CS 310 X



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | | | |
|-----------------|---|---------|---|
| Metals | ● | Plastic | ○ |
| Steel | ● | | |
| Stainless steel | ● | | |
| Wood | ○ | | |

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Abrasive cloth, waterproof

CS 320 Y



Properties

| | |
|---------------|-------------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | Y-polyester |

Applications:

| | |
|-------------------------|---|
| Mineral-based materials | ● |
| Plastic | ● |

Advantages: Very hard and sharp silicon carbide grain for hard and tough workpiece surfaces - High aggressiveness and abrasive performance - Especially suitable for wet grinding of glass, ceramic and plastic

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.

Wide belts with cloth backing

Coated abrasives



Abrasive cloth, waterproof

CS 412 Y



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | Y-polyester |

Applications:

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

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

Available grits:

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

All sizes and minimum purchasing quantities available on request

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 32. Please see Applications Guide on page 31 - 32, 52.



Strips/Sheets/Discs



About the product

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

Strips/Sheets

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

Discs

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

| Applications strips / sheets / discs with paper backing | | | | | | |
|---|-------------|------------------------------|-------------|---------|--|--------------------|
| Application | Type | Grain | Backing | Coating | Characteristics | Page |
| Steel, metals | PS 22 K | Aluminum oxide | E-paper | ● | Abrasive paper with semi-open coat and high stock removal rate for an uniform scratch pattern on wood and metal | 79 |
| | PS 36 CK | Zirconia Al./ Aluminum oxide | C-paper | ○ | Abrasive paper with flexible backing and high, aggressive stock removal efficiency particularly with materials which are difficult to process, for example with mineralized materials and tropical wood | 84 |
| Wood | PS 19 E/F | SiC | E/F-paper | ● | Special high-performance product for hardwood sanding, particularly suitable for parquet processing and floor reconditioning | 77 |
| | PS 22 K | Aluminum oxide | E-paper | ○ | Abrasive paper with semi-open coating and high stock removal rate for an uniform scratch pattern on wood and metal | 79 |
| | PL 31 B | Aluminum oxide | B-paper | ○ | Robust high performance product with stable F-paper backing for coarse, intermediate and finish sanding. Ideal for hard and difficult-to-machine materials due to the use of sharp-edged silicon carbide | 67 |
| | PS 36 DK/CK | Zirconia Al./ Aluminum oxide | D/C-paper | ○ | Abrasive paper with flexible backing and high, aggressive stock removal efficiency particularly with materials which are difficult to process, for example with mineralized materials and tropical wood | 84 |
| Paint, varnish, filler | PS 10 A/C/D | Aluminum oxide | A/C/D-paper | ○ | Premium Garnet material used in hand, fine finish type sanding, or sanding undercoats of finishing materials. Offers a "softer" cut that leaves a smoother surface | 63, 64 |
| | PL 31 B | Aluminum oxide | B-paper | ○ | Robust high performance product with stable F-paper backing for coarse, intermediate and finish sanding. Ideal for hard and difficult-to-machine materials due to the use of sharp-edged silicon carbide | 66 |
| | PS 33 B/C | Aluminum oxide | B/C-paper | ○ | High quality abrasive paper, especially suited for paint, varnish and filler | 67, 72, 80, 86, 87 |

● = close ○ = semi-open ○ = open

Continuation →

Paper

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

Cloth

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



Strips/Sheets/Discs

Applications guide

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|------------------------|------------------|----------------|-----------|---------|---|---------------|
| Paint, varnish, filler | PS 73 BW | Aluminum 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 | 68, 82 |
| | FP 73 WK | Aluminum 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 | 83 |
| | PS 11 A/C | SiC | A/C-paper | ● | High quality, highly flexible, waterproof abrasive paper for working on paint, varnish and filler especially in the car repair sector | 65 |
| | PL 35 B | SiC | B-paper | ● | Abrasive paper suitable for sanding contoured or flat surfaces. Primarily used for sanding primer, paint and varnish | 69 |

● = close ● = semi-open ○ = open

Applications strips / sheets / discs with cloth backing

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|---------------|------------------|----------------|-----------|---------|---|-----------|
| Steel, metals | CS 310 XS | Aluminum oxide | X-cotton | ● | Abrasive cloth for metal and woodworking applications. Cotton backing provides stability for heavy duty use and long service life | 88 |
| | CS 411 XS | Aluminum oxide | X-cotton | ● | High-performance disc with high stock removal rate for rough grinding and de-burring of steel and stainless steel | 89 |
| | HTJ 153 Z | Aluminum oxide | JF-cotton | ● | Highly flexible abrasive cloth for hand processing of metal surfaces | 71 |
| | KL 361 JF | Aluminum oxide | JF-cotton | ● | High quality, highly flexible abrasive cloth for versatile applications in the metal processing industry, also suitable for stainless steel | 70 |
| | KL 371 X | Aluminum oxide | X-cotton | ● | Economical universal product for surface grinding in metal processing | 69 |
| | KL 385 JF | Aluminum oxide | JF-cotton | ● | Highly flexible universal product for the metal processing industry, good price-performance ratio | 71 |

● = close ● = semi-open ○ = open

Applications non-woven web hand pads and discs, abrasive block and abrasive sponge

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|------------------------|----------------|----------------------|-------------------------------------|---------|---|-----------|
| Stainless steel | NPA 400 | Aluminum oxide / SiC | Non-woven web with polyester lining | | Grinding fleece, perfectly suited for deburring, cleaning and surface finishing | 73 |
| | NDS 810 | Aluminum oxide | Non-woven web with polyester lining | | Premium non-woven web disc with extra strong edges for demanding applications. Suited for rough cleaning work, deburring and working on weld seams | 90 |
| Paint, varnish, filler | SK 500 | Aluminum oxide | Sponge | ● | Abrasive block coated on four sides for fine work on contoured and flat surfaces. The abrasive block is robust, can be washed and reused. It is suitable for wet and dry grinding | 74 |
| | SK 502 | SiC | Sponge | ● | Excellent for fine processing of surfaces | 74 |
| | SW 510 | Aluminum oxide | Sponge | ● | Excellent for fine processing of surfaces | 75 |
| | SW 520 | SiC | Sponge | ● | Excellent for fine processing of surfaces | 75 |

● = close ● = semi-open ○ = open

Paper

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

Cloth

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

Strips and sheets with paper backing

Coated abrasives



Garnet paper

PS 10 A



Properties

| | |
|---------------|----------------|
| Bonding agent | Glue |
| Grain | Aluminum oxide |
| Coating | Semi-open |
| Backing | A-paper |

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ○ |

Advantages: Premium Garnet material used in hand, fine finish type sanding, or sanding under coats of finishing materials - Offers a "softer" cut that leaves a smoother 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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 80 | 50 | 302959 |
| 9 x 11 | 100 | 50 | 302961 |
| 9 x 11 | 120 | 50 | 302963 |
| 9 x 11 | 150 | 50 | 302975 |
| 9 x 11 | 180 | 50 | 302976 |
| 9 x 11 | 220 | 50 | 302977 |

Garnet paper

PS 10 C



Properties

| | |
|---------------|----------------|
| Bonding agent | Glue |
| Grain | Aluminum oxide |
| Coating | Semi-open |
| Backing | C-paper |

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ○ |

Advantages: Premium Garnet material used in hand, fine finish type sanding, or sanding under coats of finishing materials - Offers a "softer" cut that leaves a smoother 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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 100 | 50 | 302960 |
| 9 x 11 | 120 | 50 | 302962 |
| 9 x 11 | 150 | 50 | 302964 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with paper backing

Coated abrasives

Garnet paper

PS 10 D



Properties

| | |
|---------------|----------------|
| Bonding agent | Glue |
| Grain | Aluminum oxide |
| Coating | Semi-open |
| Backing | D-paper |

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ○ |

Advantages: Premium Garnet material used in hand, fine finish type sanding, or sanding under coats of finishing materials - Offers a "softer" cut that leaves a smoother 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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 40 | 50 | 302955 |
| 9 x 11 | 50 | 50 | 302956 |
| 9 x 11 | 60 | 50 | 302957 |
| 9 x 11 | 80 | 50 | 302958 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with paper backing

Coated abrasives



Abrasive paper, waterproof

PS 11 A/C



Properties

| | |
|---------------|-----------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | A/C-paper |

Applications:

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

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

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 60 | 50 | 2022 |
| 9 x 11 | 80 | 50 | 2023 |
| 9 x 11 | 100 | 50 | 2117 |
| 9 x 11 | 120 | 50 | 2116 |
| 9 x 11 | 150 | 50 | 2011 |
| 9 x 11 | 180 | 50 | 2012 |
| 9 x 11 | 220 | 50 | 2002 |
| 9 x 11 | 240 | 50 | 2003 |
| 9 x 11 | 280 | 50 | 2004 |
| 9 x 11 | 320 | 50 | 2005 |
| 9 x 11 | 360 | 50 | 2006 |
| 9 x 11 | 400 | 50 | 2007 |
| 9 x 11 | 500 | 50 | 2008 |
| 9 x 11 | 600 | 50 | 2009 |
| 9 x 11 | 800 | 50 | 2010 |
| 9 x 11 | 1000 | 50 | 11892 |
| 9 x 11 | 1200 | 50 | 6616 |
| 9 x 11 | 1500 | 50 | 186794 |
| 9 x 11 | 2000 | 50 | 186795 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with paper backing

Coated abrasives

Finishing paper

PL 31 B



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ● |
| Metals | ○ |

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

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 40 | 50 | 2059 |
| 9 x 11 | 50 | 50 | 2060 |
| 9 x 11 | 60 | 50 | 2061 |
| 9 x 11 | 80 | 50 | 2062 |
| 9 x 11 | 100 | 50 | 2048 |
| 9 x 11 | 120 | 50 | 2049 |
| 9 x 11 | 150 | 50 | 2050 |
| 9 x 11 | 180 | 50 | 2051 |
| 9 x 11 | 220 | 50 | 2052 |
| 9 x 11 | 240 | 50 | 2053 |
| 9 x 11 | 320 | 50 | 2055 |
| 9 x 11 | 400 | 50 | 2057 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with paper backing

Coated abrasives



Abrasive paper

PS 33 B/PS 33 C



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ● |
| Plastic | ○ |

Advantages: High removal rate - For diverse applications

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 40 | 50 | 147849 |
| 9 x 11 | 60 | 50 | 147850 |
| 9 x 11 | 80 | 50 | 147851 |
| 9 x 11 | 100 | 50 | 149719 |
| 9 x 11 | 120 | 50 | 147852 |
| 9 x 11 | 150 | 50 | 149528 |
| 9 x 11 | 180 | 50 | 147853 |
| 9 x 11 | 220 | 50 | 149529 |
| 9 x 11 | 240 | 50 | 147854 |
| 9 x 11 | 280 | 50 | 149793 |
| 9 x 11 | 320 | 50 | 149530 |
| 9 x 11 | 400 | 50 | 148971 |
| 9 x 11 | 600 | 50 | 170668 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.



Strips and sheets with paper backing

Coated abrasives

Abrasive paper, actively coated

PS 73 BW



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum 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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 40 | 50 | 311106 |
| 9 x 11 | 60 | 50 | 311107 |
| 9 x 11 | 80 | 50 | 311108 |
| 9 x 11 | 100 | 50 | 311109 |
| 9 x 11 | 120 | 50 | 311110 |
| 9 x 11 | 150 | 50 | 301196 |
| 9 x 11 | 180 | 50 | 301197 |
| 9 x 11 | 220 | 50 | 301198 |
| 9 x 11 | 240 | 50 | 301199 |
| 9 x 11 | 320 | 50 | 301201 |
| 9 x 11 | 400 | 50 | 301202 |
| 9 x 11 | 600 | 50 | 301204 |
| 9 x 11 | 800 | 50 | 308410 |
| 9 x 11 | 1200 | 50 | 311188 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with paper / cloth backing

Coated abrasives



Abrasive paper, actively coated

PL 35 B



Properties

| | |
|---------------|-----------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Semi-open |
| Backing | B-paper |

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ○ |

Advantages: Specially coated abrasive paper suitable for sanding contoured or flat surfaces - Primarily used for sanding primer, 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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 80 | 50 | 302978 |
| 9 x 11 | 100 | 50 | 302979 |
| 9 x 11 | 120 | 50 | 302980 |
| 9 x 11 | 150 | 50 | 302981 |
| 9 x 11 | 180 | 50 | 302982 |
| 9 x 11 | 220 | 50 | 302983 |
| 9 x 11 | 280 | 50 | 302984 |
| 9 x 11 | 320 | 50 | 302985 |
| 9 x 11 | 400 | 50 | 302986 |

Abrasive cloth

KL 371 X (Emery)



Properties

| | |
|---------------|----------------|
| Bonding agent | Glue |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|--------|---|
| Metals | ● |
|--------|---|

Advantages: Economical universal product for surface grinding in metal processing

Available grits:

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

| Width x Length | Grade | Packing unit/pcs. | Article number |
|----------------|-------------|-------------------|----------------|
| 9 x 11 | 50 / Coarse | 50 | 2101 |
| 9 x 11 | 80 / Medium | 50 | 2103 |
| 9 x 11 | 120 / Fine | 50 | 2105 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with cloth backing

Coated abrasives

Abrasive cloth, brown

KL 361 JF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | JF-cotton |

Applications:

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

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

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 9 x 11 | 40 | 50 | 2084 |
| 9 x 11 | 50 | 50 | 2085 |
| 9 x 11 | 60 | 50 | 2086 |
| 9 x 11 | 80 | 50 | 2087 |
| 9 x 11 | 100 | 50 | 2088 |
| 9 x 11 | 120 | 50 | 2089 |
| 9 x 11 | 150 | 50 | 2090 |
| 9 x 11 | 180 | 50 | 2091 |
| 9 x 11 | 220 | 50 | 2092 |
| 9 x 11 | 240 | 50 | 2093 |
| 9 x 11 | 280 | 50 | 2094 |
| 9 x 11 | 320 | 50 | 2095 |
| 9 x 11 | 400 | 50 | 2097 |
| 9 x 11 | 600 | 50 | 5334 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with cloth backing

Coated abrasives



Abrasive cloth, brown

KL 385 JF



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | JF-cotton |

Applications:

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

Advantages: Cost-effective universal product for profile grinding - Optimal adaptation to the workpiece due to maximum flexible cotton backing - Tears off cleanly and easily

Available grits:

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

| Width x Length | Grade | Packing unit/pcs. | Article number |
|----------------|-------|-------------------|----------------|
| 9 x 11 | 60 | 50 | 218050 |
| 9 x 11 | 80 | 50 | 218051 |
| 9 x 11 | 100 | 50 | 218052 |
| 9 x 11 | 120 | 50 | 218053 |
| 9 x 11 | 150 | 50 | 218054 |
| 9 x 11 | 180 | 50 | 218055 |
| 9 x 11 | 220 | 50 | 218056 |
| 9 x 11 | 240 | 50 | 218057 |
| 9 x 11 | 320 | 50 | 218059 |
| 9 x 11 | 400 | 50 | 218061 |

Abrasive cloth

HTJ 153 Z (Crocus)



Properties

| | |
|---------------|----------------|
| Bonding agent | Glue |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|--------|---|
| Metals | ● |
|--------|---|

Advantages: Highly flexible abrasive cloth for hand processing of 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 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Width x Length | Grade | Packing unit/pcs. | Article number |
|----------------|------------------|-------------------|----------------|
| 9 x 11 | 2000 / Very fine | 50 | 292391 |

Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 61 - 62.

Strips and sheets with paper backing

Coated abrasives

Abrasive paper

PS 33 B/PS 33 C



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ● |
| Plastic | ○ |

Advantages: High-quality abrasive paper for processing paints, varnish and filler

Available grits:

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

| Width x Length | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 3 x 4-1/4 | 120 | 100 | 306646 |
| 3 x 4-1/4 | 150 | 100 | 306640 |
| 3 x 4-1/4 | 180 | 100 | 306641 |
| 3 x 4-1/4 | 220 | 100 | 306642 |
| 3 x 4-1/4 | 240 | 100 | 306643 |
| 3 x 4-1/4 | 320 | 100 | 306644 |
| 3 x 4-1/4 | 400 | 100 | 306645 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62.

Non-woven web hand pads



Non-woven web hand pad

NPA 400



Properties

Bonding agent Resin

Applications

Al. oxide:

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

Applications

SiC:

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

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

| Width x Length | Grade | Colour | Grain | Packing unit/pcs. | Article number |
|----------------|-----------------|--------------------|-----------------|-------------------|----------------|
| 6 x 9 | General Purpose | Green | Aluminum oxide | 10 | 258865 |
| 6 x 9 | Very Fine | Maroon | Aluminum oxide | 10 | 258866 |
| 6 x 9 | Ultra Fine | Gray | Silicon carbide | 10 | 258867 |
| 6 x 9 | Coarse | Brown | Aluminum oxide | 10 | 258862 |
| 6 x 9 | Medium | Green HD | Aluminum oxide | 10 | 258864 |
| 6 x 9 | without grain | non abrasive white | - | 10 | 258868 |

Other grades and sizes available on request.
Please observe: Please see Applications Guide on page 61 - 62.

Abrasive block

Coated abrasives

Abrasive block, flexible, coated on 4 sides

SK 500



Properties

| | |
|---------|----------------|
| Grain | Aluminum oxide |
| Coating | Close |

Applications:

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

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

Available grits:

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

| Width x Length x Height | Grit | Packing unit/pcs. | Article number |
|-------------------------|-----------------|-------------------|----------------|
| 2-3/4 x 4 x 1 | Medium/Fine | 10 | 327495 |
| 2-3/4 x 4 x 1 | 100 (Fine/Fine) | 10 | 125280 |
| 2-3/4 x 4 x 1 | 120 | 10 | 225166 |
| 2-3/4 x 4 x 1 | 180 | 10 | 225167 |
| 2-3/4 x 4 x 1 | 220 | 10 | 225168 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 62.

Abrasive sponge

Coated abrasives



Abrasive sponge, HI-FLEX, coated on 1 side

SW 510



Properties

Grain Aluminum oxide

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ● |
| Plastic | ○ |

Advantages: Excellent for fine processing of 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 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Width x Length x Height | Grit | Packing unit/pcs. | Article number |
|-------------------------|------|-------------------|----------------|
| 4-1/2 x 5-1/2 x 3/16 | 100 | 10 | 303588 |
| 4-1/2 x 5-1/2 x 3/16 | 180 | 10 | 303589 |
| 4-1/2 x 5-1/2 x 3/16 | 220 | 10 | 303590 |
| 4-1/2 x 5-1/2 x 3/16 | 280 | 10 | 303591 |

Abrasive sponge, flexible, coated on 2 sides

SW 502



Properties

Grain SiC

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Plastic | ● |
| Wood | ○ |

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

Available grits:

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

| Width x Length x Height in mm | Grit | Packing unit/pcs. | Article number |
|-------------------------------|------|-------------------|----------------|
| 5 x 4 x 1/2 | 80 | 10 | 327476 |
| 5 x 4 x 1/2 | 120 | 10 | 244377 |
| 5 x 4 x 1/2 | 180 | 10 | 327475 |
| 5 x 4 x 1/2 | 220 | 10 | 244379 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 62.

Discs

Applications guide

Hole patterns for discs

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

The hole pattern you require depends on the machine being used. You will find the available hole patterns marked in the tables on the following product pages.

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

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

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

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

GLS 19
Ø 125 mm
5 holes Ø 10 mm
on hole circle Ø 72 mm

0 = no hole
10 = round hole
30 = star-shaped hole

Other hole patterns available on request!

Please contact us for minimum order quantities for non-stock items.

Edger Discs, Abrasive paper

PS 19 E / PS 19 F



Properties

| | |
|---------------|-----------|
| Bonding agent | Resin |
| Grain | SiC |
| Coating | Close |
| Backing | E/F-paper |

Applications:

| | |
|------|---|
| Wood | ● |
|------|---|

Advantages: Special high-performance product for parquet processing and floor reconditioning - Used on standard edger disc 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 |
|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|

| Diameter x Hole | Grit | No. of slots | Article unit/pcs. | Article number |
|-----------------|------|--------------|-------------------|----------------|
| 7 x 7/8 | 16 | 4 | 50 | 301794 |
| 7 x 7/8 | 24 | 4 | 50 | 301815 |
| 7 x 7/8 | 36 | 4 | 50 | 301816 |
| 7 x 7/8 | 40 | 4 | 50 | 301817 |
| 7 x 7/8 | 50 | 4 | 50 | 301818 |
| 7 x 7/8 | 60 | 4 | 50 | 301819 |
| 7 x 7/8 | 80 | 4 | 50 | 301820 |
| 7 x 7/8 | 100 | 4 | 50 | 301821 |
| 7 x 7/8 | 120 | 4 | 50 | 301822 |
| 15 x 2 | 16 | 8 | 50 | 301786 |
| 15 x 2 | 24 | 8 | 50 | 301789 |
| 15 x 2 | 36 | 8 | 50 | 301787 |
| 15 x 2 | 80 | 8 | 50 | 301788 |
| 16 x 2 | 16 | 8 | 50 | 301823 |
| 16 x 2 | 24 | 8 | 50 | 301824 |
| 16 x 2 | 36 | 8 | 50 | 301825 |
| 16 x 2 | 60 | 8 | 50 | 301828 |
| 16 x 2 | 80 | 8 | 50 | 301829 |

Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 61 - 62, 76.

Abrasive screen

Abrasive Screen

AS 400



Properties

Bonding agent Resin

Grain SiC

Applications:

Wood ●



Advantages: Special high-performance product for parquet processing and floor reconditioning

Available grits:

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

| Diameter in mm | Grit | Packing unit/pcs. | Article number |
|----------------|------|-------------------|----------------|
| 15 x 0 | 60 | 10 | 303682 |
| 15 x 0 | 80 | 10 | 303683 |
| 15 x 0 | 100 | 10 | 303677 |
| 15 x 0 | 120 | 10 | 303678 |
| 16 x 0 | 80 | 10 | 303689 |
| 16 x 0 | 100 | 10 | 303684 |
| 16 x 0 | 120 | 10 | 303685 |
| 17 x 0 | 80 | 10 | 303696 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with paper backing, self-fastening (Hook & Loop)

Coated abrasives



Abrasive paper, self-fastening (Hook & Loop)

PS 22 K



Properties

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

Applications:

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

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

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|-----------------|-------------------|----------------|
| 5 | 40 | ○ 0 - no hole | 50 | 2294 |
| 5 | 60 | ○ 0 - no hole | 50 | 2295 |
| 5 | 80 | ○ 0 - no hole | 50 | 6774 |
| 5 | 100 | ○ 0 - no hole | 50 | 2296 |
| 5 | 120 | ○ 0 - no hole | 50 | 6775 |
| 5 | 150 | ○ 0 - no hole | 50 | 78163 |
| 5 | 180 | ○ 0 - no hole | 50 | 62107 |
| 5 | 220 | ○ 0 - no hole | 50 | 97176 |
| 5 | 320 | ○ 0 - no hole | 50 | 93284 |
| 5 | 40 | ⊗ GLS5 - 8 hole | 50 | 89486 |
| 5 | 60 | ⊗ GLS5 - 8 hole | 50 | 89488 |
| 5 | 80 | ⊗ GLS5 - 8 hole | 50 | 89489 |
| 5 | 120 | ⊗ GLS5 - 8 hole | 50 | 89493 |
| 5 | 150 | ⊗ GLS5 - 8 hole | 50 | 89494 |
| 5 | 180 | ⊗ GLS5 - 8 hole | 50 | 89495 |
| 5 | 220 | ⊗ GLS5 - 8 hole | 50 | 90758 |
| 5 | 320 | ⊗ GLS5 - 8 hole | 50 | 89496 |
| 6 | 40 | ○ 0 - no hole | 50 | 20207 |
| 6 | 60 | ○ 0 - no hole | 50 | 6649 |
| 6 | 80 | ○ 0 - no hole | 50 | 6936 |
| 6 | 120 | ○ 0 - no hole | 50 | 6937 |
| 6 | 150 | ○ 0 - no hole | 50 | 71140 |
| 6 | 180 | ○ 0 - no hole | 50 | 4022 |
| 6 | 220 | ○ 0 - no hole | 50 | 93324 |
| 6 | 320 | ○ 0 - no hole | 50 | 91721 |
| 6 | 40 | ⊗ GLS3 - 6 hole | 50 | 89181 |
| 6 | 60 | ⊗ GLS3 - 6 hole | 50 | 86634 |
| 6 | 80 | ⊗ GLS3 - 6 hole | 50 | 86635 |
| 6 | 120 | ⊗ GLS3 - 6 hole | 50 | 86636 |
| 6 | 150 | ⊗ GLS3 - 6 hole | 50 | 86637 |
| 6 | 180 | ⊗ GLS3 - 6 hole | 50 | 87528 |
| 6 | 220 | ⊗ GLS3 - 6 hole | 50 | 100157 |
| 6 | 320 | ⊗ GLS3 - 6 hole | 50 | 97779 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with paper backing, self-fastening (Hook & Loop)

Coated abrasives

Abrasive paper, self-fastening (Hook & Loop)

**PS 33 BK /
PS 33 CK**



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ● |
| Plastic | ○ |

Advantages: High removal rate - For diverse applications

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 2 | 60 | ○ 0 - no hole | 100 | 235229 |
| 2 | 80 | ○ 0 - no hole | 100 | 251050 |
| 2 | 100 | ○ 0 - no hole | 100 | 300409 |
| 2 | 120 | ○ 0 - no hole | 100 | 231931 |
| 2 | 150 | ○ 0 - no hole | 100 | 300234 |
| 2 | 180 | ○ 0 - no hole | 100 | 284041 |
| 2 | 220 | ○ 0 - no hole | 100 | 235230 |
| 2 | 240 | ○ 0 - no hole | 100 | 284042 |
| 2 | 320 | ○ 0 - no hole | 100 | 231932 |
| 3 | 40 | ○ 0 - no hole | 100 | 303256 |
| 3 | 60 | ○ 0 - no hole | 100 | 247442 |
| 3 | 80 | ○ 0 - no hole | 100 | 241426 |
| 3 | 100 | ○ 0 - no hole | 100 | 246087 |
| 3 | 120 | ○ 0 - no hole | 100 | 243110 |
| 3 | 150 | ○ 0 - no hole | 100 | 243111 |
| 3 | 180 | ○ 0 - no hole | 100 | 212780 |
| 3 | 220 | ○ 0 - no hole | 100 | 300315 |
| 3 | 240 | ○ 0 - no hole | 100 | 243112 |
| 3 | 280 | ○ 0 - no hole | 100 | 303257 |
| 3 | 320 | ○ 0 - no hole | 100 | 243113 |
| 5 | 40 | ○ 0 - no hole | 100 | 154113 |
| 5 | 60 | ○ 0 - no hole | 100 | 147604 |
| 5 | 80 | ○ 0 - no hole | 100 | 149055 |
| 5 | 100 | ○ 0 - no hole | 100 | 150431 |
| 5 | 120 | ○ 0 - no hole | 100 | 150433 |
| 5 | 150 | ○ 0 - no hole | 100 | 153152 |
| 5 | 180 | ○ 0 - no hole | 100 | 150435 |
| 5 | 220 | ○ 0 - no hole | 100 | 155143 |
| 5 | 240 | ○ 0 - no hole | 100 | 150460 |
| 5 | 280 | ○ 0 - no hole | 100 | 236962 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with paper backing, self-fastening (Hook & Loop)

Coated abrasives



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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|------------------|-------------------|----------------|
| 5 | 320 | ○ 0 - no hole | 100 | 150461 |
| 5 | 400 | ○ 0 - no hole | 100 | 150462 |
| 5 | 600 | ○ 0 - no hole | 100 | 239700 |
| 5 | 40 | ⊗ GLS5 - 8 hole | 100 | 146954 |
| 5 | 60 | ⊗ GLS5 - 8 hole | 100 | 147642 |
| 5 | 80 | ⊗ GLS5 - 8 hole | 100 | 147643 |
| 5 | 100 | ⊗ GLS5 - 8 hole | 100 | 147977 |
| 5 | 120 | ⊗ GLS5 - 8 hole | 100 | 147170 |
| 5 | 150 | ⊗ GLS5 - 8 hole | 100 | 150760 |
| 5 | 180 | ⊗ GLS5 - 8 hole | 100 | 147837 |
| 5 | 220 | ⊗ GLS5 - 8 hole | 100 | 150259 |
| 5 | 240 | ⊗ GLS5 - 8 hole | 100 | 147838 |
| 5 | 320 | ⊗ GLS5 - 8 hole | 100 | 147839 |
| 5 | 400 | ⊗ GLS5 - 8 hole | 100 | 147644 |
| 5 | 40 | ⊗ GLS19 - 5 hole | 100 | 255154 |
| 5 | 60 | ⊗ GLS19 - 5 hole | 100 | 256636 |
| 5 | 80 | ⊗ GLS19 - 5 hole | 100 | 240593 |
| 5 | 100 | ⊗ GLS19 - 5 hole | 100 | 240594 |
| 5 | 120 | ⊗ GLS19 - 5 hole | 100 | 240597 |
| 5 | 150 | ⊗ GLS19 - 5 hole | 100 | 262265 |
| 5 | 180 | ⊗ GLS19 - 5 hole | 100 | 298362 |
| 5 | 220 | ⊗ GLS19 - 5 hole | 100 | 262244 |
| 5 | 240 | ⊗ GLS19 - 5 hole | 100 | 264785 |
| 6 | 40 | ○ 0 - no hole | 100 | 147922 |
| 6 | 60 | ○ 0 - no hole | 100 | 147107 |
| 6 | 80 | ○ 0 - no hole | 100 | 146739 |
| 6 | 100 | ○ 0 - no hole | 100 | 147106 |
| 6 | 120 | ○ 0 - no hole | 100 | 146740 |
| 6 | 150 | ○ 0 - no hole | 100 | 148375 |
| 6 | 180 | ○ 0 - no hole | 100 | 146958 |
| 6 | 220 | ○ 0 - no hole | 100 | 149916 |
| 6 | 240 | ○ 0 - no hole | 100 | 146959 |
| 6 | 280 | ○ 0 - no hole | 100 | 149057 |
| 6 | 320 | ○ 0 - no hole | 100 | 146716 |
| 6 | 400 | ○ 0 - no hole | 100 | 147108 |
| 6 | 600 | ○ 0 - no hole | 100 | 169683 |
| 6 | 40 | ⊗ GLS3 - 6 hole | 100 | 147647 |
| 6 | 60 | ⊗ GLS3 - 6 hole | 100 | 147124 |
| 6 | 80 | ⊗ GLS3 - 6 hole | 100 | 146946 |
| 6 | 100 | ⊗ GLS3 - 6 hole | 100 | 143694 |
| 6 | 120 | ⊗ GLS3 - 6 hole | 100 | 146947 |
| 6 | 150 | ⊗ GLS3 - 6 hole | 100 | 149151 |
| 6 | 180 | ⊗ GLS3 - 6 hole | 100 | 146948 |
| 6 | 220 | ⊗ GLS3 - 6 hole | 100 | 149255 |
| 6 | 240 | ⊗ GLS3 - 6 hole | 100 | 146907 |
| 6 | 320 | ⊗ GLS3 - 6 hole | 100 | 147126 |
| 6 | 400 | ⊗ GLS3 - 6 hole | 100 | 147125 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.



Discs with paper backing, self-fastening (Hook & Loop)

Coated abrasives

Abrasive paper, active coated, self-fastening
(Hook & Loop)

PS 73 BWK / CWK



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Plastic | ○ |

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

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 5 | 40 | ○ 0 - no hole | 100 | 308975 |
| 5 | 60 | ○ 0 - no hole | 100 | 308976 |
| 5 | 80 | ○ 0 - no hole | 100 | 308506 |
| 5 | 100 | ○ 0 - no hole | 100 | 308977 |
| 5 | 120 | ○ 0 - no hole | 100 | 308507 |
| 5 | 150 | ○ 0 - no hole | 100 | 302074 |
| 5 | 180 | ○ 0 - no hole | 100 | 302099 |
| 5 | 220 | ○ 0 - no hole | 100 | 302100 |
| 5 | 240 | ○ 0 - no hole | 100 | 302101 |
| 5 | 320 | ○ 0 - no hole | 100 | 302103 |
| 5 | 400 | ○ 0 - no hole | 100 | 302104 |
| 5 | 500 | ○ 0 - no hole | 100 | 302105 |
| 5 | 800 | ○ 0 - no hole | 100 | 306613 |
| 5 | 1000 | ○ 0 - no hole | 100 | 308978 |
| 5 | 1200 | ○ 0 - no hole | 100 | 308979 |
| 6 | 40 | ○ 0 - no hole | 100 | 301231 |
| 6 | 60 | ○ 0 - no hole | 100 | 301232 |
| 6 | 80 | ○ 0 - no hole | 100 | 301233 |
| 6 | 100 | ○ 0 - no hole | 100 | 301234 |
| 6 | 120 | ○ 0 - no hole | 100 | 301235 |
| 6 | 150 | ○ 0 - no hole | 100 | 301236 |
| 6 | 180 | ○ 0 - no hole | 100 | 301237 |
| 6 | 220 | ○ 0 - no hole | 100 | 301238 |
| 6 | 240 | ○ 0 - no hole | 100 | 301239 |
| 6 | 320 | ○ 0 - no hole | 100 | 301240 |
| 6 | 400 | ○ 0 - no hole | 100 | 301241 |
| 6 | 500 | ○ 0 - no hole | 100 | 301937 |
| 6 | 600 | ○ 0 - no hole | 100 | 306614 |
| 6 | 800 | ○ 0 - no hole | 100 | 301886 |
| 6 | 1000 | ○ 0 - no hole | 100 | 301891 |
| 6 | 1200 | ○ 0 - no hole | 100 | 306625 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with film backing, self-fastening (Hook & Loop)

Coated abrasives



NEW

Abrasive film, active coated, self-fastening (Hook & Loop)

FP 73 WK



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Semi-open |
| Backing | Film |

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Plastic | ○ |

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

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 5 | 80 | ○ 0 - no hole | 100 | 321596 |
| 5 | 100 | ○ 0 - no hole | 100 | 321398 |
| 5 | 120 | ○ 0 - no hole | 100 | 321941 |
| 5 | 150 | ○ 0 - no hole | 100 | 321541 |
| 5 | 180 | ○ 0 - no hole | 100 | 321942 |
| 5 | 240 | ○ 0 - no hole | 100 | 321943 |
| 5 | 320 | ○ 0 - no hole | 100 | 321944 |
| 5 | 400 | ○ 0 - no hole | 100 | 321995 |
| 5 | 500 | ○ 0 - no hole | 100 | 321996 |
| 5 | 600 | ○ 0 - no hole | 100 | 321997 |
| 5 | 800 | ○ 0 - no hole | 100 | 321998 |
| 5 | 1000 | ○ 0 - no hole | 100 | 321999 |
| 5 | 1200 | ○ 0 - no hole | 100 | 322000 |
| 5 | 1500 | ○ 0 - no hole | 100 | 322001 |
| 6 | 80 | ○ 0 - no hole | 100 | 322374 |
| 6 | 100 | ○ 0 - no hole | 100 | 322309 |
| 6 | 120 | ○ 0 - no hole | 100 | 322375 |
| 6 | 150 | ○ 0 - no hole | 100 | 322376 |
| 6 | 180 | ○ 0 - no hole | 100 | 321728 |
| 6 | 240 | ○ 0 - no hole | 100 | 322397 |
| 6 | 320 | ○ 0 - no hole | 100 | 316152 |
| 6 | 400 | ○ 0 - no hole | 100 | 316153 |
| 6 | 500 | ○ 0 - no hole | 100 | 322377 |
| 6 | 600 | ○ 0 - no hole | 100 | 316154 |
| 6 | 800 | ○ 0 - no hole | 100 | 316175 |
| 6 | 1000 | ○ 0 - no hole | 100 | 316176 |
| 6 | 1200 | ○ 0 - no hole | 100 | 316177 |
| 6 | 1500 | ○ 0 - no hole | 100 | 316178 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with paper backing, self-fastening (Hook & Loop)

Coated abrasives

Abrasive paper, self-fastening (Hook & Loop)

PS 36 CK



Properties

| | |
|---------------|----------------------------|
| Bonding agent | Resin |
| Grain | Al. zirconia/ Al. oxide |
| Coating | Semi-open |
| Backing | C-paper |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |
| Wood | ● |
| Plastic | ● |

Advantages: Flexible backing and high, aggressive stock removal efficiency particularly with materials which are difficult to process, for example with mineralized materials and tropical wood

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|-----------------|-------------------|----------------|
| 5 | 80 | ○ 0 - no hole | 100 | 236855 |
| 5 | 100 | ○ 0 - no hole | 100 | 236856 |
| 5 | 120 | ○ 0 - no hole | 100 | 236857 |
| 5 | 150 | ○ 0 - no hole | 100 | 253036 |
| 5 | 180 | ○ 0 - no hole | 100 | 236858 |
| 5 | 60 | ⊙ GLS5 - 8 hole | 100 | 250996 |
| 5 | 80 | ⊙ GLS5 - 8 hole | 100 | 253575 |
| 5 | 100 | ⊙ GLS5 - 8 hole | 100 | 253576 |
| 5 | 120 | ⊙ GLS5 - 8 hole | 100 | 299003 |
| 5 | 150 | ⊙ GLS5 - 8 hole | 100 | 253860 |
| 5 | 220 | ⊙ GLS5 - 8 hole | 100 | 300452 |
| 6 | 36 | ○ 0 - no hole | 100 | 242060 |
| 6 | 60 | ○ 0 - no hole | 100 | 242062 |
| 6 | 80 | ○ 0 - no hole | 100 | 242063 |
| 6 | 100 | ○ 0 - no hole | 100 | 249276 |
| 6 | 120 | ○ 0 - no hole | 100 | 242064 |
| 6 | 150 | ○ 0 - no hole | 100 | 242065 |
| 6 | 180 | ○ 0 - no hole | 100 | 242066 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Back-up pad for Hook & Loop discs

HST 359



Advantages: Good adhesion for all hook & loop discs

| Dimensions | Specification/ Hole pattern | Packing unit/pcs. | Article number |
|--------------|--------------------------------|----------------------|-------------------|
| 2 x 1/4 | MED / ○ 0 - no hole | 1 | 304892 |
| 3 x 1/4 | MED / ○ 0 - no hole | 1 | 304891 |
| 5 x 5/16-24M | LOW / ○ 0 - no hole | 1 | 303761 |
| 5 x 5/16-24M | LOW / ☺ GLS19 - 5 hole | 1 | 303760 |
| 5 x 5/16-24M | MED / ○ 0 - no hole | 1 | 303763 |
| 5 x 5/16-24M | MED / ☺ GLS19 - 5 hole | 1 | 303762 |
| 5 x 5/16-24M | ☺ GLS5 - 8 hole | 1 | 303759 |
| 6 x 5/16-24M | LOW / ○ 0 - no hole | 1 | 303765 |
| 6 x 5/16-24M | LOW / ☺ GLS3 - 6 hole | 1 | 303764 |
| 6 x 5/16-24M | MED / ○ 0 - no hole | 1 | 303767 |
| 6 x 5/16-24M | MED / ☺ GLS3 - 6 hole | 1 | 303766 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with paper backing, self-adhesive (PSA)

Coated abrasives

Abrasive paper, self-adhesive (PSA)

PS 33 BS / PS 33 CS



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ○ |



Advantages: High-quality abrasive paper, especially suited for paint, 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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 5 | 40 | ○ 0 - no hole | 100 | 303321 |
| 5 | 60 | ○ 0 - no hole | 100 | 244958 |
| 5 | 80 | ○ 0 - no hole | 100 | 244955 |
| 5 | 100 | ○ 0 - no hole | 100 | 249462 |
| 5 | 120 | ○ 0 - no hole | 100 | 249463 |
| 5 | 150 | ○ 0 - no hole | 100 | 249054 |
| 5 | 180 | ○ 0 - no hole | 100 | 250986 |
| 5 | 220 | ○ 0 - no hole | 100 | 249515 |
| 5 | 320 | ○ 0 - no hole | 100 | 249067 |
| 5 | 400 | ○ 0 - no hole | 100 | 252973 |
| 6 | 40 | ○ 0 - no hole | 100 | 303326 |
| 6 | 60 | ○ 0 - no hole | 100 | 251703 |
| 6 | 80 | ○ 0 - no hole | 100 | 242239 |
| 6 | 100 | ○ 0 - no hole | 100 | 242269 |
| 6 | 120 | ○ 0 - no hole | 100 | 242270 |
| 6 | 150 | ○ 0 - no hole | 100 | 251216 |
| 6 | 180 | ○ 0 - no hole | 100 | 244945 |
| 6 | 220 | ○ 0 - no hole | 100 | 244946 |
| 6 | 240 | ○ 0 - no hole | 100 | 244947 |
| 6 | 320 | ○ 0 - no hole | 100 | 244949 |
| 6 | 400 | ○ 0 - no hole | 100 | 244950 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with paper backing, self-adhesive (PSA)

Coated abrasives



Abrasive paper, self-adhesive (PSA)

PS 33 BS / PS 33 CS Disc Roll



Properties

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

Applications:

| | |
|----------------------|---|
| Paint/Varnish/Filler | ● |
| Wood | ○ |

Advantages: High-quality abrasive paper, especially suited for paint, varnish and filler - Discs are adhered on a liner roll and conveniently pulled as needed from a dispensing box

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 5 | 40 | ○ 0 - no hole | 1 roll = 50 pcs | 303273 |
| 5 | 60 | ○ 0 - no hole | 1 roll = 100 pcs | 303322 |
| 5 | 80 | ○ 0 - no hole | 1 roll = 100 pcs | 303323 |
| 5 | 100 | ○ 0 - no hole | 1 roll = 100 pcs | 303324 |
| 5 | 120 | ○ 0 - no hole | 1 roll = 100 pcs | 303325 |
| 5 | 150 | ○ 0 - no hole | 1 roll = 100 pcs | 303447 |
| 5 | 180 | ○ 0 - no hole | 1 roll = 100 pcs | 303450 |
| 5 | 220 | ○ 0 - no hole | 1 roll = 100 pcs | 303449 |
| 5 | 240 | ○ 0 - no hole | 1 roll = 100 pcs | 303451 |
| 5 | 320 | ○ 0 - no hole | 1 roll = 100 pcs | 303448 |
| 6 | 40 | ○ 0 - no hole | 1 roll = 50 pcs | 303430 |
| 6 | 60 | ○ 0 - no hole | 1 roll = 100 pcs | 303453 |
| 6 | 80 | ○ 0 - no hole | 1 roll = 100 pcs | 303438 |
| 6 | 100 | ○ 0 - no hole | 1 roll = 100 pcs | 303439 |
| 6 | 120 | ○ 0 - no hole | 1 roll = 100 pcs | 303440 |
| 6 | 150 | ○ 0 - no hole | 1 roll = 100 pcs | 303452 |
| 6 | 180 | ○ 0 - no hole | 1 roll = 100 pcs | 303441 |
| 6 | 220 | ○ 0 - no hole | 1 roll = 100 pcs | 303442 |
| 6 | 240 | ○ 0 - no hole | 1 roll = 100 pcs | 303443 |
| 6 | 320 | ○ 0 - no hole | 1 roll = 100 pcs | 303444 |
| 6 | 400 | ○ 0 - no hole | 1 roll = 100 pcs | 303445 |
| 6 | 600 | ○ 0 - no hole | 1 roll = 100 pcs | 303446 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with cloth backing, self-adhesive (PSA)

Coated abrasives

Abrasive cloth, self-adhesive (PSA)

CS 310 XS



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |
| Backing | X-cotton |

Applications:

| | |
|---------|---|
| Metals | ● |
| Wood | ○ |
| Plastic | ○ |
| Leather | ○ |

Advantages: Abrasive cloth for metal and woodworking applications - Cotton backing provides stability for heavy duty use and long service life

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 5 | 50 | ○ 0 - no hole | 50 | 303132 |
| 5 | 80 | ○ 0 - no hole | 50 | 303134 |
| 5 | 120 | ○ 0 - no hole | 50 | 303136 |
| 6 | 60 | ○ 0 - no hole | 50 | 303147 |
| 6 | 80 | ○ 0 - no hole | 50 | 303148 |
| 6 | 120 | ○ 0 - no hole | 50 | 303150 |
| 9 | 60 | ○ 0 - no hole | 50 | 303180 |
| 9 | 80 | ○ 0 - no hole | 50 | 303181 |
| 10 | 60 | ○ 0 - no hole | 25 | 303193 |
| 10 | 80 | ○ 0 - no hole | 25 | 303194 |
| 12 | 36 | ○ 0 - no hole | 10 | 303201 |
| 12 | 40 | ○ 0 - no hole | 10 | 303202 |
| 12 | 50 | ○ 0 - no hole | 10 | 303203 |
| 12 | 60 | ○ 0 - no hole | 10 | 303204 |
| 12 | 80 | ○ 0 - no hole | 10 | 303205 |
| 12 | 100 | ○ 0 - no hole | 10 | 303206 |
| 12 | 120 | ○ 0 - no hole | 10 | 303207 |
| 16 | 40 | ○ 0 - no hole | 10 | 303222 |
| 16 | 80 | ○ 0 - no hole | 10 | 303225 |
| 20 | 36 | ○ 0 - no hole | 10 | 303234 |
| 20 | 60 | ○ 0 - no hole | 10 | 303237 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs with cloth backing, self-adhesive (PSA) / Back-up pads

Coated abrasives



Abrasive cloth, self-adhesive (PSA)

CS 411 XS



Properties

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

Applications:

| | |
|---------|---|
| Metals | ● |
| Leather | ○ |

Advantages: High-performance disc with high stock removal rate for rough grinding and deburring of steel and stainless steel

Available grits:

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

| Diameter | Grit | Hole pattern | Packing unit/pcs. | Article number |
|----------|------|---------------|-------------------|----------------|
| 12 | 36 | ○ 0 - no hole | 10 | 303339 |
| 12 | 60 | ○ 0 - no hole | 10 | 303342 |
| 12 | 80 | ○ 0 - no hole | 10 | 303343 |
| 12 | 120 | ○ 0 - no hole | 10 | 303344 |

Back-up pad for PSA discs

ST 359 S



Advantages: Good adhesion for all PSA discs

| Dimensions | Specification/ Hole pattern | Packing unit/pcs. | Article number |
|--------------|--------------------------------|-------------------|----------------|
| 5 x 5/16-24M | LOW-PRO / ○ 0 - no hole | 1 | 303786 |
| 5 x 5/16-24M | MED-PRO / ○ 0 - no hole | 1 | 303787 |
| 6 x 5/16-24M | LOW-PRO / ○ 0 - no hole | 1 | 303788 |
| 6 x 5/16-24M | MED-PRO / ○ 0 - no hole | 1 | 303789 |

Other grits and sizes available on request.

Please observe: Please see Applications Guide on page 61 - 62, 76.

Discs, Non-woven web

Non-woven web disc (Surface Conditioning)

NDS 810



Properties

| | |
|---------------------|----------------|
| Bonding agent Resin | |
| Grain | Aluminum oxide |

Applications:

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

Advantages: High edge stability - Aggressive abrasive behavior - Long service life - Perfectly suited for rough cleaning, deburring and grinding of welded seams

| Diameter | Grade | Colour | Packing unit/pcs. | Article number |
|-------------|-----------|--------|-------------------|----------------|
| 4-1/2 x 0 | Coarse | Brown | 10 | 303630 |
| 4-1/2 x 0 | Medium | Maroon | 10 | 303631 |
| 4-1/2 x 0 | Very fine | Blue | 10 | 303629 |
| 4-1/2 x 3/8 | Coarse | Brown | 10 | 303632 |
| 4-1/2 x 3/8 | Medium | Maroon | 10 | 303633 |
| 4-1/2 x 3/8 | Very fine | Blue | 10 | 303635 |
| 4-1/2 x 7/8 | Coarse | Brown | 10 | 303636 |
| 4-1/2 x 7/8 | Medium | Maroon | 10 | 303637 |
| 4-1/2 x 7/8 | Very fine | Blue | 10 | 303639 |
| 5 x 0 | Coarse | Brown | 10 | 303645 |
| 5 x 0 | Medium | Maroon | 10 | 303648 |
| 5 x 0 | Very fine | Blue | 10 | 303650 |
| 5 x 7/8 | Coarse | Brown | 10 | 303654 |
| 5 x 7/8 | Medium | Maroon | 10 | 303655 |
| 5 x 7/8 | Very fine | Blue | 10 | 303657 |
| 7 x 0 | Coarse | Brown | 10 | 303664 |
| 7 x 0 | Medium | Maroon | 10 | 303665 |
| 7 x 0 | Very fine | Blue | 10 | 303667 |
| 7 x 7/8 | Coarse | Brown | 10 | 303671 |
| 7 x 7/8 | Medium | Maroon | 10 | 303672 |
| 7 x 7/8 | Very fine | Blue | 10 | 303674 |

Other grades and sizes available on request.

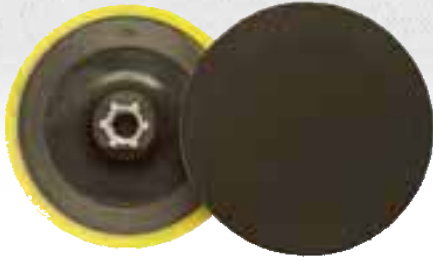
Please observe: Please see Applications Guide on page 61 - 62, 76.

Back-up pads



Back-up pad for Surface Conditioning discs

NDS 555



Advantages: Good adhesion for all for discs (non-woven web)

| Diameter | Thread/ Shaft | Packing unit/pcs. | Article number |
|----------|------------------|----------------------|-------------------|
| 4-1/2 | 5/8 - 11F | 1 | 303771 |
| 5 | 5/8 - 11F | 1 | 303769 |
| 7 | 5/8 - 11F | 1 | 303770 |





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 for a fast and safe tool change.





Applications:

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

Advantages:

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

Quick Change Discs

| Coated abrasive | Type | Grain | Coating | Characteristics | Page |
|---|------------------------|------------------|---------|--|---------------------|
|  | QMC/QRC 412 QCD | Aluminum oxide | ● | The versatile disc for coarse and intermediate grinding on metal | 96, 99, 103 |
|  | QMC/QRC 411 QCD | Zirconia alumina | ● | High stock removal rate for rough grinding and deburring of stainless steel and steel | 97, 100, 103 |
|  | QMC/QRC 409 | Zirconia alumina | ● | Extremely high stock removal rate and long service life for stainless steel and high alloy steels with multibond for cool grinding | 97, 101 |
|  | QMC/QRC 800 | Aluminum oxide | | Firm surface conditioning disc for cleaning and light deburring work, blending and processing of grinding marks | 98, 101 |

Quick Change Discs

Applications guide

Minimum order quantities for non stock items

| QCD | Diameter | Minimum order quantities |
|--------------------|----------|--------------------------|
| <i>QRC/QMC 412</i> | 1" | 1.700 pieces |
| <i>QRC/QMC 411</i> | 1-1/2" | 1.200 pieces |
| <i>QRC/QMC 409</i> | 2" | 900 pieces |
| | 3" | 600 pieces |

| QCD | Diameter | Minimum order quantities |
|--------------------|----------|--------------------------|
| <i>QRC/QMC 800</i> | 1" | 400 pieces |
| | 1-1/2" | 350 pieces |
| | 2" | 350 pieces |
| | 3" | 350 pieces |

The right choice of the back-up pad/fastening device

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 for 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.

Additionally Klingspor offers a third fastening system: QDC. QDCs must be used with Klingspor's Steel Mandrels



Quick Change Discs

Applications guide

The system QMC (Quick Metal Connect)

The Quick Change Discs with metal locking are fastened to the backing pad by an internal thread.



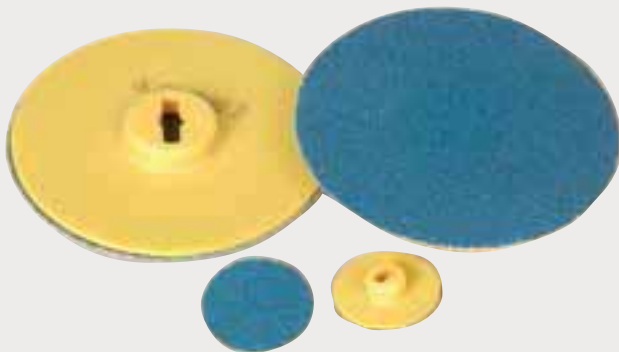
The system QRC (Quick Roll Connect)

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



The system QDC (Quick Disc Connect)

QDCs (Quick Disc Connect) are staple items in many production shops because they offer instant disc changes with assurance that the disc is centered and smooth running. They work on many applications including general purpose grinding, blending, deburring and removal of weld beads and flash. The QDCs are available in aluminum oxide, alumina zirconia, alumina zirconia lubed and ceramic aluminum oxide (Must be used with Klingspor's Steel Mandrels). **Please contact us for more information on availability.**



Quick Change Discs

Quick Roll Connect

Quick Change Disc

QRC 412



| Properties | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |

| Applications: | |
|---------------|---|
| Metals | ● |
| NF metals | ● |

Advantages: For universal use in coarse and intermediate grinding

Available grits:

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

| Diameter | Grit | Packing unit/pcs. | Article number |
|----------|------|-------------------|----------------|
| 2 | 36 | 100 | 295207 |
| 2 | 40 | 100 | 295208 |
| 2 | 50 | 100 | 295209 |
| 2 | 60 | 100 | 295210 |
| 2 | 80 | 100 | 295211 |
| 2 | 100 | 100 | 295212 |
| 2 | 120 | 100 | 295213 |
| 3 | 36 | 50 | 295229 |
| 3 | 60 | 50 | 295232 |
| 3 | 80 | 50 | 295233 |
| 3 | 120 | 50 | 295235 |

Back-up pad see page 98

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.

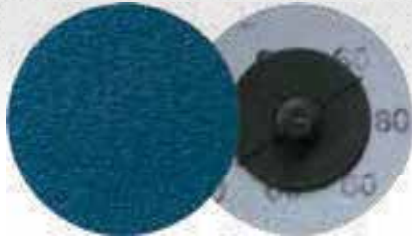
Quick Change Discs

Quick Roll Connect



Quick Change Disc

QRC 411



Properties

| | |
|---------------|------------------|
| Bonding agent | Resin |
| Grain | Zirconia alumina |
| Coating | Close |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |

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

Available grits:

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

| Diameter | Grit | Packing unit/pcs. | Article number |
|----------|------|-------------------|----------------|
| 2 | 36 | 100 | 295306 |
| 2 | 40 | 100 | 295307 |
| 2 | 60 | 100 | 295309 |
| 2 | 80 | 100 | 295310 |
| 3 | 36 | 50 | 295318 |
| 3 | 40 | 50 | 295319 |
| 3 | 60 | 50 | 295321 |
| 3 | 80 | 50 | 295322 |

Back-up pad see page 98

Quick Change Disc

QRC 409



Properties

| | |
|---------------|------------------|
| Bonding agent | Resin |
| Grain | Zirconia alumina |
| Coating | Close |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |

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

Available grits:

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

| Diameter | Grit | Packing unit/pcs. | Article number |
|----------|------|-------------------|----------------|
| 2 | 36 | 100 | 295340 |
| 2 | 50 | 100 | 295342 |
| 2 | 60 | 100 | 295343 |
| 2 | 80 | 100 | 295344 |

Back-up pad see page 98

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.



Quick Change Discs / Back-up Pad

Quick Roll Connect

Quick Change Disc

QRC 800



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|----------------------|---|
| Metals | ● |
| Paint/Varnish/Filler | ○ |

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

| Diameter | Grade | Packing unit/pcs. | Article number |
|----------|-----------|-------------------|----------------|
| 2 | coarse | 50 | 295413 |
| 2 | medium | 50 | 295414 |
| 2 | very fine | 50 | 295415 |
| 3 | coarse | 25 | 295419 |
| 3 | medium | 25 | 295420 |
| 3 | very fine | 25 | 295421 |

Back-up pad see page 98

Back-up Pad

QRC 555



Advantages: For secure mounting of QRC discs

| Size x shank | Density | Max. RPM | Packing unit/pcs. | Article number |
|--------------|---------|------------|-------------------|----------------|
| 2 x 1/4M | MEDIUM | 30,000 rpm | 1 | 303777 |
| 3 x 1/4M | MEDIUM | 30,000 rpm | 1 | 303778 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.

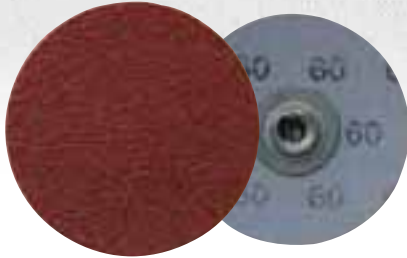
Quick Change Discs

Quick Metal Connect



Quick Change Disc

QMC 412



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |

Applications:

| | |
|-----------|---|
| Metals | ● |
| NF metals | ● |

Advantages: For universal use in coarse and intermediate grinding

Available grits:

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

| Diameter | Grit | Packing unit/pcs. | Article number |
|----------|------|-------------------|----------------|
| 2 | 36 | 100 | 295196 |
| 2 | 40 | 100 | 295197 |
| 2 | 50 | 100 | 295198 |
| 2 | 60 | 100 | 295199 |
| 2 | 80 | 100 | 295200 |
| 2 | 100 | 100 | 295201 |
| 2 | 120 | 100 | 295202 |
| 3 | 36 | 50 | 295218 |
| 3 | 40 | 50 | 295219 |
| 3 | 60 | 50 | 295221 |
| 3 | 80 | 50 | 295222 |
| 3 | 120 | 50 | 295224 |

Back-up pad see page 102

Other grits and sizes available on request.

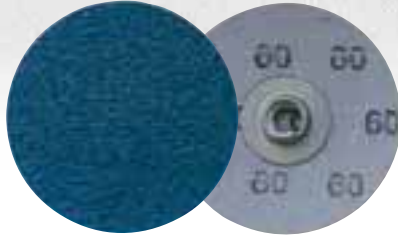
Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.

Quick Change Discs

Quick Metal Connect

Quick Change Disc

QMC 411



Properties

| | |
|---------------|------------------|
| Bonding agent | Resin |
| Grain | Zirconia alumina |
| Coating | Close |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |

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

Available grits:

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

| Diameter | Grit | Packing unit/pcs. | Article number |
|----------|------|-------------------|----------------|
| 2 | 36 | 100 | 295300 |
| 2 | 40 | 100 | 295301 |
| 2 | 60 | 100 | 295303 |
| 2 | 80 | 100 | 295304 |
| 3 | 36 | 50 | 295312 |
| 3 | 40 | 50 | 295313 |
| 3 | 60 | 50 | 295315 |
| 3 | 80 | 50 | 295316 |

Back-up pad see page 102

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.

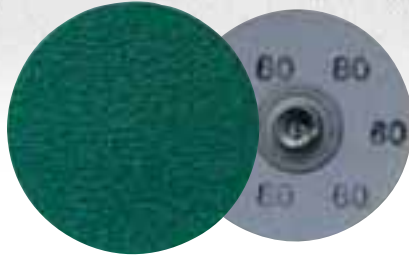
Quick Change Discs

Quick Metal Connect



Quick Change Disc

QMC 409



Properties

| | |
|---------------|------------------|
| Bonding agent | Resin |
| Grain | Zirconia alumina |
| Coating | Close |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |

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

Available grits:

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

| Diameter | Grit | Packing unit/pcs. | Article number |
|----------|------|-------------------|----------------|
| 2 | 36 | 100 | 295334 |
| 2 | 40 | 100 | 295335 |
| 2 | 60 | 100 | 295337 |
| 2 | 80 | 100 | 295338 |
| 3 | 36 | 50 | 295346 |
| 3 | 40 | 50 | 295347 |
| 3 | 60 | 50 | 295349 |
| 3 | 80 | 50 | 295350 |

Back-up pad see page 102

Quick Change Disc

QMC 800



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|----------------------|---|
| Metals | ● |
| Paint/Varnish/Filler | ○ |

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

| Diameter | Grade | Packing unit/pcs. | Article number |
|----------|-----------|-------------------|----------------|
| 2 | coarse | 50 | 295410 |
| 2 | medium | 50 | 295411 |
| 2 | very fine | 50 | 295412 |
| 3 | coarse | 25 | 295416 |
| 3 | medium | 25 | 295417 |
| 3 | very fine | 25 | 295418 |

Back-up pad see page 102

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.

Quick Change Discs



Quick Change Discs

Back-up Pad

Back-up Pad

QMC 555



Advantages: For secure mounting of QMC discs

| Size x shank | Density | Max. RPM | Packing unit/pcs. | Article number |
|--------------|---------|------------|-------------------|----------------|
| 2 x 1/4M | MEDIUM | 30,000 rpm | 1 | 303774 |
| 3 x 1/4M | MEDIUM | 30,000 rpm | 1 | 303775 |

Quick Change Discs

Quick Disc Connect



Quick Change Disc

QDC 412



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |

Applications:

| | |
|-----------|---|
| Metals | ● |
| NF metals | ● |

Advantages: For universal use in coarse and intermediate grinding

Available grits:

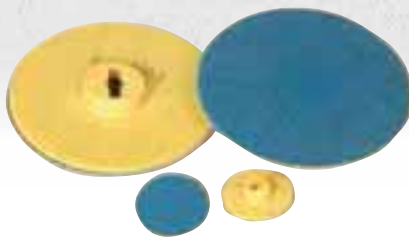
16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200 1500 2000

All sizes and minimum purchasing quantities available on request

Must be used with Klingspor's Steel Mandrels

Quick Change Disc

QDC 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

All sizes and minimum purchasing quantities available on request

Must be used with Klingspor's Steel Mandrels

Steel mandrels for QDC discs

QDC



Advantages: For secure mounting of QDC discs

Available for QDC discs in diameter 3/4", 1", 1-1/2", 2", 3", 4"

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 94. Please see Applications Guide on page 93 - 95.





Small abrasive mop



About the product

The small abrasive mop comprises of grinding flaps coated with aluminum oxide. The fan-shaped abrasive flaps are securely fixed to a central mounting spindle. The flap's 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.

Application examples

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

| Type | Material applications | | | | | | | | | | | Machine applications | | | Page | | | | |
|----------------|-----------------------|-----------------------------|-----------------------|--------------|----------|-------|-------------------|-------|-----------|---------|------|----------------------|--------------------|-------------------|------|----------|-----------------|-------------------|-----------------|
| | Metal | App. eng./Container constr. | Precision engineering | Mould making | Fittings | Pipes | Profiled sections | Tools | Mountings | Cutlery | Wood | Contoured wood | Model construction | Profiled sections | | Plastics | Flexible shafts | Drilling machines | Stroke grinders |
| <i>KM 613</i> | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | 107 |
| <i>NCS 600</i> | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | ○ | ● | ● | ● | 110 |
| <i>NFS 600</i> | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | ● | ● | ● | 111 |

● = main application ○ = possible application

Minimum order quantities for non stock items

| Product | Grit | Minimum order quantities |
|---------------|----------|--------------------------|
| <i>KM 613</i> | 40–320 | 250 pieces |
| | from 360 | 500 pieces |

| Product | Grit | Minimum order quantities |
|-----------------------------|----------------|--------------------------|
| <i>NCS 600/ NFS 600</i> | 30, 40, 50, 60 | 150 pieces |
| | 80, 100 | 100 pieces |



Small abrasive mop

Applications guide

Application recommendations

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

Factors influencing the grinding result

Stock removal:

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

Steady increased tool / grinding pressure

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

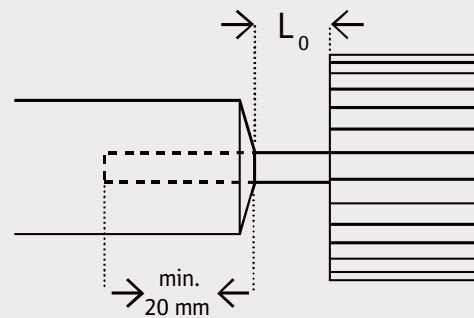
Surface finish:

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

Temperature load:

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

| ø [mm] | Height [mm] | Maximum operating speed [m/s] | RPM [1/min] | | |
|-----------|----------------|-------------------------------------|-----------------------|------------------------|------------------------|
| | | | L ₀ = 0 mm | L ₀ = 10 mm | L ₀ = 20 mm |
| 20 | ≤ 20 | 40 | 38.150 | 28.600 | 21.900 |
| 25 | ≤ 15 | 40 | 30.500 | 22.900 | 17.500 |
| 30 | ≤ 15 | 40 | 25.400 | 19.000 | 14.600 |
| 40 | ≤ 20 | 40 | 19.000 | 14.300 | 10.900 |
| 50 | ≤ 30 | 40 | 15.200 | 11.400 | 8.700 |
| 60 | ≤ 50 | 40 | 12.700 | 9.500 | 7.300 |
| 80 | ≤ 40 | 40 | 9.500 | 7.100 | 5.400 |
| | 50 | 35 | 8.400 | 7.100 | 5.400 |



Tool wear:

- ▶ Tool service life is reduced by working at a lower tool / grinding pressure.

To ensure the optimal and most efficient use of a tool

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

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

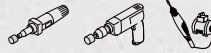
Small abrasive mop

Abrasive mop



Small abrasive mop

KM 613



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|---------|---|
| Metals | ● |
| Wood | ○ |
| Plastic | ○ |

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

Available grits:

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

| Diameter x Height x Shaft | Grit | Max. RPM | Packing unit/pcs. | Article number |
|---------------------------|------|------------|-------------------|----------------|
| 3/8 x 3/8 x 1/8 | 80 | 40,000 rpm | 10 | 303545 |
| 3/8 x 3/8 x 1/8 | 120 | 40,000 rpm | 10 | 303540 |
| 5/8 x 5/8 x 1/8 | 80 | 37,000 rpm | 10 | 303578 |
| 5/8 x 5/8 x 1/8 | 120 | 37,000 rpm | 10 | 303575 |
| 3/4 x 3/4 x 1/8 | 60 | 35,000 rpm | 10 | 303534 |
| 3/4 x 3/4 x 1/8 | 80 | 35,000 rpm | 10 | 303535 |
| 3/4 x 3/4 x 1/8 | 120 | 35,000 rpm | 10 | 303530 |
| 3/4 x 3/4 x 1/4 | 80 | 35,000 rpm | 10 | 303529 |
| 3/4 x 3/4 x 1/4 | 120 | 35,000 rpm | 10 | 303526 |
| 1 x 1/2 x 1/4 | 40 | 30,000 rpm | 10 | 278877 |
| 1 x 1/2 x 1/4 | 60 | 30,000 rpm | 10 | 278878 |
| 1 x 1/2 x 1/4 | 80 | 30,000 rpm | 10 | 278879 |
| 1 x 1/2 x 1/4 | 120 | 30,000 rpm | 10 | 278881 |
| 1 x 3/8 x 1/4 | 80 | 30,000 rpm | 10 | 278871 |
| 1 x 3/4 x 1/4 | 60 | 30,000 rpm | 10 | 278894 |
| 1 x 3/4 x 1/4 | 80 | 30,000 rpm | 10 | 278895 |
| 1 x 3/4 x 1/4 | 120 | 30,000 rpm | 10 | 278897 |
| 1 x 1 x 1/4 | 40 | 30,000 rpm | 10 | 278902 |
| 1 x 1 x 1/4 | 60 | 30,000 rpm | 10 | 278905 |
| 1 x 1 x 1/4 | 80 | 30,000 rpm | 10 | 278907 |
| 1 x 1 x 1/4 | 120 | 30,000 rpm | 10 | 278910 |
| 1 x 1 x 1/4 | 180 | 30,000 rpm | 10 | 278912 |
| 1 x 1 x 1/4 | 240 | 30,000 rpm | 10 | 278913 |
| 1 x 1 x 1/4 | 320 | 30,000 rpm | 10 | 278914 |
| 1-1/2 x 1/2 x 1/4 | 40 | 25,000 rpm | 10 | 278946 |
| 1-1/2 x 1/2 x 1/4 | 60 | 25,000 rpm | 10 | 278947 |
| 1-1/2 x 1/2 x 1/4 | 80 | 25,000 rpm | 10 | 278948 |
| 1-1/2 x 1/2 x 1/4 | 120 | 25,000 rpm | 10 | 278950 |
| 1-1/2 x 3/4 x 1/4 | 60 | 25,000 rpm | 10 | 278956 |
| 1-1/2 x 3/4 x 1/4 | 80 | 25,000 rpm | 10 | 278957 |

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 105. Please see Applications Guide on page 105 - 106.

Small abrasive mop

Abrasive mop

→ Continuation of KM 613, Small abrasive mop

| Diameter x Height x Shaft | Grit | Max. RPM | Packing unit/pcs. | Article number |
|------------------------------|------|-------------|----------------------|-------------------|
| 1-1/2 x 3/4 x 1/4 | 120 | 25,000 rpm | 10 | 278959 |
| 1-1/2 x 1 x 1/4 | 40 | 25,000 rpm | 10 | 278964 |
| 1-1/2 x 1 x 1/4 | 60 | 25,000 rpm | 10 | 278966 |
| 1-1/2 x 1 x 1/4 | 80 | 25,000 rpm | 10 | 278967 |
| 1-1/2 x 1 x 1/4 | 120 | 25,000 rpm | 10 | 278971 |
| 1-1/2 x 1 x 1/4 | 180 | 25,000 rpm | 10 | 278972 |
| 1-1/2 x 1 x 1/4 | 240 | 25,000 rpm | 10 | 278973 |
| 1-1/2 x 1-1/2 x 1/4 | 40 | 25,000 rpm | 10 | 278975 |
| 1-1/2 x 1-1/2 x 1/4 | 60 | 25,000 rpm | 10 | 278976 |
| 1-1/2 x 1-1/2 x 1/4 | 80 | 25,000 rpm | 10 | 278977 |
| 1-1/2 x 1-1/2 x 1/4 | 120 | 25,000 rpm | 10 | 278979 |
| 1-3/16 x 1 x 1/4 | 60 | 25,000 rpm | 10 | 278924 |
| 1-3/16 x 1 x 1/4 | 120 | 25,000 rpm | 10 | 278927 |
| 1-3/16 x 3/16 x 1/4 | 60 | 25,000 rpm | 10 | 278928 |
| 1-3/16 x 3/16 x 1/4 | 120 | 25,000 rpm | 10 | 278930 |
| 2 x 3/8 x 1/4 | 60 | 25,000 rpm | 10 | 278984 |
| 2 x 3/8 x 1/4 | 80 | 25,000 rpm | 10 | 278985 |
| 2 x 1/2 x 1/4 | 40 | 25,000 rpm | 10 | 278991 |
| 2 x 1/2 x 1/4 | 60 | 25,000 rpm | 10 | 278992 |
| 2 x 1/2 x 1/4 | 80 | 25,000 rpm | 10 | 278993 |
| 2 x 1/2 x 1/4 | 120 | 25,000 rpm | 10 | 278995 |
| 2 x 3/4 x 1/4 | 40 | 25,000 rpm | 10 | 278999 |
| 2 x 3/4 x 1/4 | 60 | 25,000 rpm | 10 | 279000 |
| 2 x 3/4 x 1/4 | 80 | 25,000 rpm | 10 | 279001 |
| 2 x 3/4 x 1/4 | 120 | 25,000 rpm | 10 | 279003 |
| 2 x 1 x 1/4 | 40 | 25,000 rpm | 10 | 279008 |
| 2 x 1 x 1/4 | 60 | 25,000 rpm | 10 | 279011 |
| 2 x 1 x 1/4 | 80 | 25,000 rpm | 10 | 279013 |
| 2 x 1 x 1/4 | 100 | 25,000 rpm | 10 | 279015 |
| 2 x 1 x 1/4 | 120 | 25,000 rpm | 10 | 279017 |
| 2 x 1 x 1/4 | 180 | 25,000 rpm | 10 | 279019 |
| 2 x 1 x 1/4 | 240 | 25,000 rpm | 10 | 279020 |
| 2 x 1-1/2 x 1/4 | 40 | 25,000 rpm | 10 | 279022 |
| 2 x 1-1/2 x 1/4 | 60 | 25,000 rpm | 10 | 279023 |
| 2 x 1-1/2 x 1/4 | 80 | 25,000 rpm | 10 | 279024 |
| 2 x 1-1/2 x 1/4 | 120 | 25,000 rpm | 10 | 279026 |
| 2 x 2 x 1/4 | 40 | 25,000 rpm | 10 | 279031 |
| 2 x 2 x 1/4 | 60 | 25,000 rpm | 10 | 279032 |
| 2 x 2 x 1/4 | 80 | 25,000 rpm | 10 | 279033 |
| 2 x 2 x 1/4 | 120 | 25,000 rpm | 10 | 279035 |
| 2-1/2 x 1/2 x 1/4 | 60 | 20,000 rpm | 10 | 279041 |
| 2-1/2 x 1/2 x 1/4 | 80 | 20,000 rpm | 10 | 279042 |
| 2-1/2 x 1 x 1/4 | 40 | 20,000 rpm | 10 | 279058 |
| 2-1/2 x 1 x 1/4 | 60 | 20,000 rpm | 10 | 279061 |
| 2-1/2 x 1 x 1/4 | 80 | 20,000 rpm | 10 | 279063 |
| 2-1/2 x 1 x 1/4 | 120 | 20,000 rpm | 10 | 279154 |
| 2-1/2 x 1-1/2 x 1/4 | 40 | 20,000 rpm | 10 | 279168 |

Continuation →

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 105. Please see Applications Guide on page 105 - 106.

Small abrasive mop

Abrasive mop



→ Continuation of KM 613, Small abrasive mop

| Diameter x Height x Shaft | Grit | Max. RPM | Packing unit/pcs. | Article number |
|------------------------------|------|-------------|----------------------|-------------------|
| 2-1/2 x 1-1/2 x 1/4 | 60 | 20,000 rpm | 10 | 279169 |
| 2-1/2 x 1-1/2 x 1/4 | 80 | 20,000 rpm | 10 | 279170 |
| 2-1/2 x 1-1/2 x 1/4 | 120 | 20,000 rpm | 10 | 279172 |
| 2-1/2 x 2 x 1/4 | 60 | 20,000 rpm | 10 | 279177 |
| 3 x 1/2 x 1/4 | 40 | 9,500 rpm | 10 | 279233 |
| 3 x 1/2 x 1/4 | 60 | 9,500 rpm | 10 | 279185 |
| 3 x 1/2 x 1/4 | 80 | 9,500 rpm | 10 | 279186 |
| 3 x 1/2 x 1/4 | 120 | 9,500 rpm | 10 | 279236 |
| 3 x 1-1/2 x 1/4 | 60 | 9,500 rpm | 10 | 279205 |
| 3 x 1-1/2 x 1/4 | 80 | 9,500 rpm | 10 | 279206 |
| 3 x 1 x 1/4 | 40 | 9,500 rpm | 10 | 279103 |
| 3 x 1 x 1/4 | 60 | 9,500 rpm | 10 | 279105 |
| 3 x 1 x 1/4 | 80 | 9,500 rpm | 10 | 279107 |
| 3 x 1 x 1/4 | 120 | 9,500 rpm | 10 | 279200 |
| 3 x 1 x 1/4 | 180 | 9,500 rpm | 10 | 279201 |
| 3 x 1 x 1/4 | 240 | 9,500 rpm | 10 | 303553 |
| 3 x 1 x 1/4 | 320 | 9,500 rpm | 10 | 303554 |
| 3 x 2 x 1/4 | 40 | 9,500 rpm | 10 | 279212 |
| 3 x 2 x 1/4 | 60 | 9,500 rpm | 10 | 279213 |
| 3 x 2 x 1/4 | 80 | 9,500 rpm | 10 | 279214 |
| 3 x 2 x 1/4 | 120 | 9,500 rpm | 10 | 279216 |

Abrasive mop

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 105. Please see Applications Guide on page 105 - 106.

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Small abrasive mop

Abrasive mop

Abrasive mop

NCS 600



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |
| Plastic | ○ |

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

| Diameter x Width x Mandrel | Grit | Grade | Max. RPM | Packing unit/pcs. | Article number |
|----------------------------|------|--------|------------|-------------------|----------------|
| 1-1/2 x 1 x 1/4 | 60 | coarse | 17,000 rpm | 10 | 299880 |
| 1-1/2 x 1 x 1/4 | 100 | medium | 17,000 rpm | 10 | 299881 |
| 2 x 1 x 1/4 | 60 | coarse | 13,700 rpm | 10 | 299882 |
| 2 x 1 x 1/4 | 100 | medium | 13,700 rpm | 10 | 299754 |
| 2 x 1 x 1/4 | 150 | medium | 13,700 rpm | 10 | 299170 |
| 3 x 2 x 1/4 | 60 | coarse | 8,600 rpm | 10 | 299500 |
| 3 x 2 x 1/4 | 100 | medium | 8,600 rpm | 10 | 299883 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 105. Please see Applications Guide on page 105 - 106.

Small abrasive mop

Abrasive mop



Small finishing mop

NFS 600



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|-----------------|---|
| Metals | ● |
| Stainless steel | ● |

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

| Diameter x Width x Mandrel | Grade | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------------|-----------|-------------|----------------------|-------------------|
| 1-1/2 x 1 x 1/4 | medium | 17,100 rpm | 10 | 299905 |
| 1-1/2 x 1 x 1/4 | fine | 17,100 rpm | 10 | 299102 |
| 1-1/2 x 1 x 1/4 | very fine | 17,100 rpm | 10 | 299906 |
| 2 x 1 x 1/4 | medium | 13,700 rpm | 10 | 299908 |
| 2 x 1 x 1/4 | fine | 13,700 rpm | 10 | 299907 |
| 3 x 2 x 1/4 | medium | 8,600 rpm | 10 | 297517 |
| 3 x 2 x 1/4 | fine | 8,600 rpm | 10 | 298428 |
| 3 x 2 x 1/4 | very fine | 8,600 rpm | 10 | 299406 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 105. Please see Applications Guide on page 105 - 106.

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 aluminum oxide. The fan-shaped radial arrangement is firmly anchored by a resin core at the centre of the abrasive mop wheel. The structure of the abrasive mop wheel provides for very soft, comfortable grinding behaviour and adapts optimally to the contours of the workpiece. Klingspor abrasive mop wheels are especially suited for achieving a very smooth surface finish.

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

Machines:

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



Stroke grinders



Angle grinders



Flexible shafts



Drilling machines



Floor stand grinders

| Type | Page | Material applications | | | | | | | | | | | Machine applications | | | | | | | | | | | |
|---------|------|-----------------------|-------------------------------------|-----------------------|--------------|----------|-------|-------------------|-------|-----------|---------|------|----------------------|--------------------|-------------------|---------------------------|----------|-----------------|-------------------|----------------|--------------------|----------------------|----------------|---|
| | | Metal | Apparatus/ container engineering | Precision engineering | Mould making | Fittings | Pipes | Profiled sections | Tools | Mountings | Cutlery | Wood | Contoured wood | Model construction | Profiled sections | Paint / varnish / fillers | Plastics | Flexible shafts | Drilling machines | Stroke grinder | Automatic grinders | Floor stand grinders | Angle grinders | |
| SM 611 | 116 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| WSM 617 | 117 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | ● | ● |
| NCW 600 | 118 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | ● | ● | ● |
| NFW 600 | 118 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| PW 2000 | 119 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

● = main application ○ = possible application

Abrasive mop wheels

Applications guide

Mounting

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

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

Correct mounting is important!

To ensure that the abrasive mop wheel runs smoothly, please check that the 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 the bore hole adjustments to fit the respective shaft diameter is quick and easy by drilling the appropriate bore hole diameter. Please refer to product text SMD 612 for more information on maximum bore hole diameters.

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

Abrasive mop wheel SM 611 H

The abrasive mop wheel with a wooden core is preferred for work on floor stand grinders with cone shaped mounting spindles. It can be mounted directly on the machine spindle without the use of a mounting plate. Abrasive mop wheel SM 611 H is equipped with a 1/2" 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

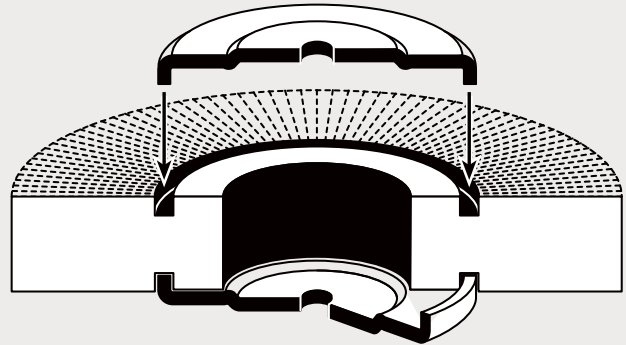
This abrasive mop wheel is equipped with a 1" mounting bore hole and can be mounted to a machine without the use of a mounting plate.

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

These drums are equipped with mounting bore holes starting from 3/4" for all standard satin finishing machines with the corresponding machine spindles.

WSM 617

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



Abrasive mop wheels

Applications guide

Minimum order quantities for non stock items

| Product | Diameter in mm | Minimum order quantities |
|------------------------------|----------------|--------------------------|
| SM 611 | 4" to 6-1/2" | 20 pieces |
| | 8" to 12" | 10 pieces |
| | 14" to 16" | 4 pieces |
| NFW 600 / NCW 600 | 4" to 6-1/2" | 20 pieces |
| | 8" to 12" | 10 pieces |
| | 14" to 16" | 4 pieces |

The surface scratch pattern

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

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



Abrasive mop wheel 40 grit

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



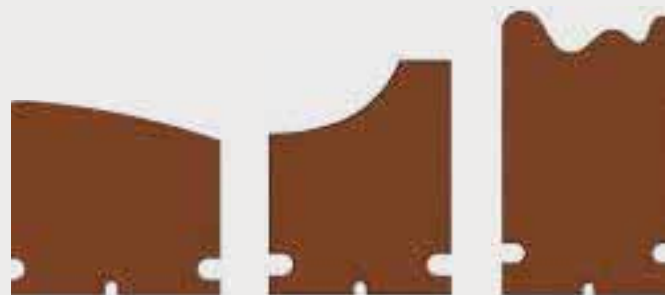
Abrasive belt 40 grit

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

Flap Profiling

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

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



Abrasive mop wheels

Applications guide

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, and influences the grinding behaviour of the wheel. The higher the ratio of grinding flaps to intermediate layers, the harder the abrasive mop wheel.

The standard abrasive mop wheel is manufactured without packet assembling.

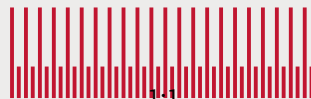
Exception: Starting at a diameter of ≥ 250 mm, a width of ≥ 50 mm, and a grit size 220 and finer, abrasive mop wheels are manufactured with a packet assembly ratio of 5:1.



5:1



3:1



1:1

Factors influencing the grinding result

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

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

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

The safe use of Klingspor abrasives

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



Wear safety goggles or glasses to protect the eyes



Wear safety gloves to protect hands



Wear a dust mask



Observe safety instructions



Use ear muffs



Do not use for wet grinding

Abrasive mop wheels

Abrasive mop

Abrasive mop

SM 611



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

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

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

Available grits:

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

| Diameter x Width x Mandrel | Grit | Max. RPM | Packing unit/pcs. | Article number |
|----------------------------|------|-----------|-------------------|----------------|
| 6 x 1 x 1 | 40 | 5,700 rpm | 1 | 290416 |
| 6 x 1 x 1 | 60 | 5,700 rpm | 1 | 280604 |
| 6 x 1 x 1 | 80 | 5,700 rpm | 1 | 280605 |
| 6 x 1 x 1 | 120 | 5,700 rpm | 1 | 280606 |
| 6 x 1 x 1 | 180 | 5,700 rpm | 1 | 288275 |
| 6 x 2 x 1 | 40 | 5,700 rpm | 1 | 289118 |
| 6 x 2 x 1 | 60 | 5,700 rpm | 1 | 280607 |
| 6 x 2 x 1 | 80 | 5,700 rpm | 1 | 280608 |
| 6 x 2 x 1 | 120 | 5,700 rpm | 1 | 289271 |

Accessories for SM 611

SMD 254



Advantages: Secure mounting of the abrasive mop SM 611

| Size | suitable for | Packing unit/pcs. | Article number |
|------------|--------------|-------------------|----------------|
| 1" to 1/2" | SM 611 | 1 | 303780 |
| 1" to 5/8" | SM 611 | 1 | 303781 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 114. Please see Applications Guide on page 112 - 115.

Abrasive mop wheels

Abrasive mop



Angle grinder mop

WSM 617



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | | | |
|-----------------|---|------|---|
| Steel | ● | Wood | ● |
| Stainless steel | ● | | |
| Paint | ● | | |
| Plastic | ● | | |

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

Available grits:

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

| Diameter x Width | Arbor | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|------------------|--------|------|----------------------|------------|-------------------|----------------|
| 5 x 20mm | 5/8-11 | 40 | 80 m/s | 12,200 rpm | 1 | 280236 |
| 5 x 20mm | 5/8-11 | 60 | 80 m/s | 12,200 rpm | 1 | 280237 |
| 5 x 20mm | 5/8-11 | 80 | 80 m/s | 12,200 rpm | 1 | 280238 |



The all-round abrasive mop wheel for the angle grinder

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

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 114. Please see Applications Guide on page 112 - 115.

Abrasive flap drums

Abrasive mop

Abrasive mop

NCW 600



NEW



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Metals | ● |
| Plastic | ○ |

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

| Diameter x Width x Bore | Grit | Grade | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|-----------|-----------|-------------------|----------------|
| 4-1/2 x 4 x 3/4 | 80 | coarse | 3,300 rpm | 1 | 320246 |
| 4-1/2 x 4 x 3/4 | 100 | medium | 3,300 rpm | 1 | 320247 |
| 4-1/2 x 4 x 3/4 | 150 | medium | 3,300 rpm | 1 | 320248 |
| 4-1/2 x 4 x 3/4 | 180 | very fine | 3,300 rpm | 1 | 320249 |

Nylon webbed mop

NFW 600



NEW



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |

Applications:

| | |
|-----------------|---|
| Metals | ● |
| Stainless steel | ● |

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

| Diameter x Width x Bore | Grade | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|-----------|-----------|-------------------|----------------|
| 4-1/2 x 4 x 3/4 | coarse | 3,300 rpm | 1 | 320253 |
| 4-1/2 x 4 x 3/4 | medium | 3,300 rpm | 1 | 320254 |
| 4-1/2 x 4 x 3/4 | very fine | 3,300 rpm | 1 | 320255 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 114. Please see Applications Guide on page 112 - 115.

Power Wheel, extra coarse

PW 2000



Applications:

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

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

| Diameter x Width x Bore | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|----------------------|-----------|-------------------|----------------|
| 6 x 1/2 x 1/2 | 40 m/s | 5,000 rpm | 10 | 194626 |

Fixing spindle

SD 2000

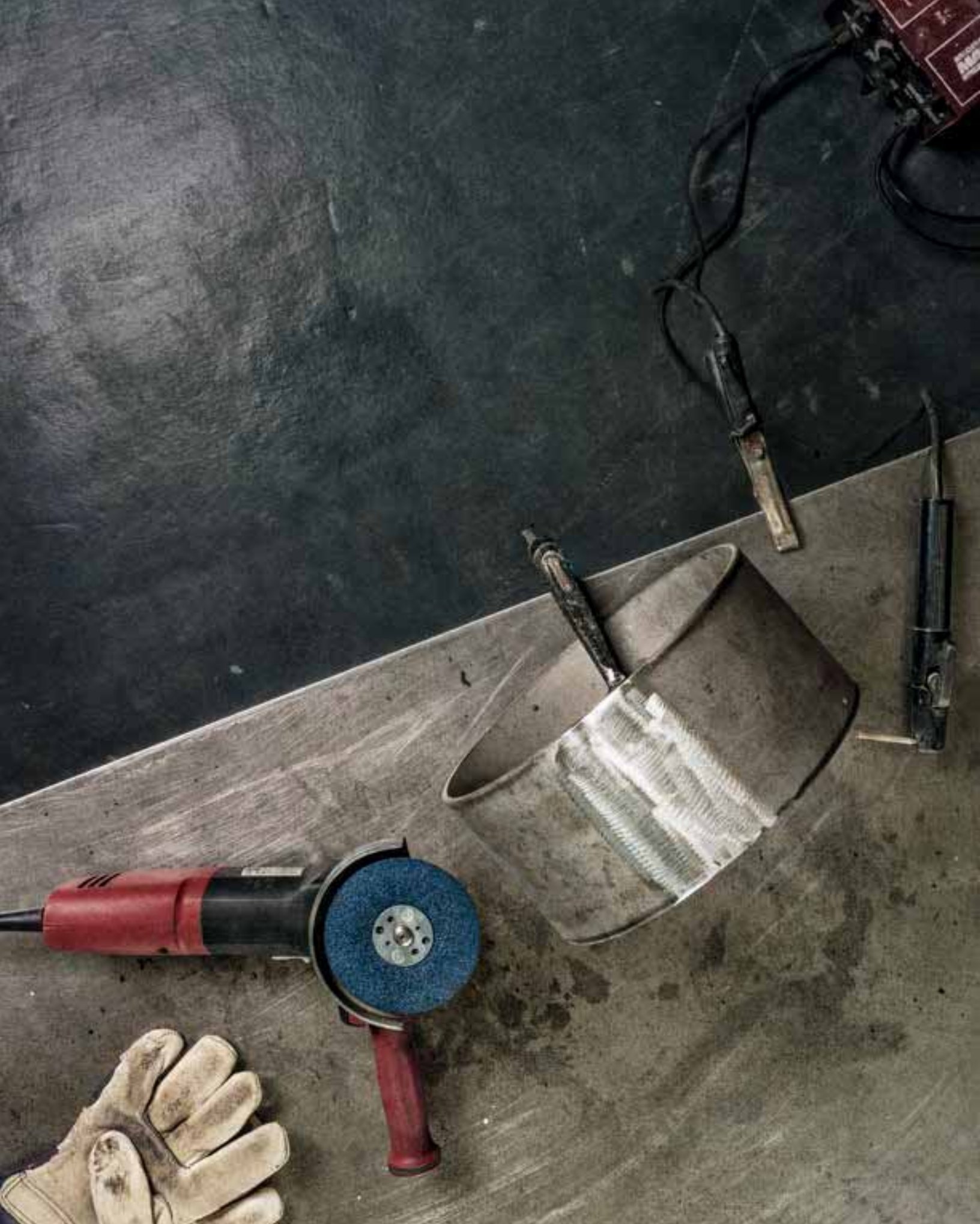


Advantages: For secure mounting on drilling machines, flexible shafts and stroke grinders and optimal true running of the grinding tool PW 2000

| Dimension | suitable for | Shaft | Packing unit/pcs. | Article number |
|-----------|--------------|-------|-------------------|----------------|
| 1/2 - 1 | PW 2000 | 1/4 | 1 | 303779 |

Other grits and sizes available on request.

Please observe: Minimum order quantities for manufactured items see page 114. Please see Applications Guide on page 112 - 115.



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

Hole pattern for fibre discs

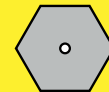
Standard stock pattern



30 = star shaped hole



10 = round hole

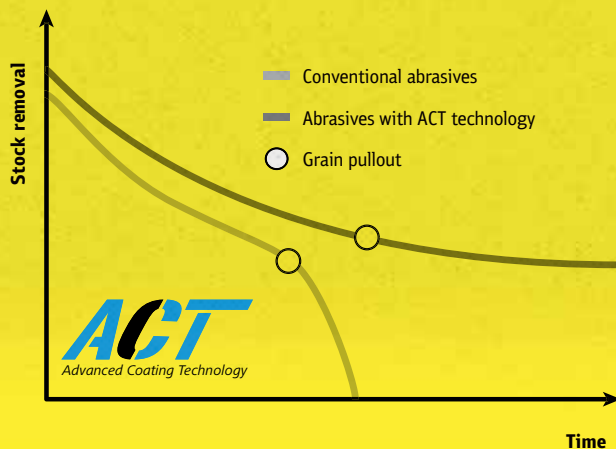


Additional special cutting shapes are available on request. Please ask us!

Please contact us for pricing and availability of non stock items.

ACT-Advanced Coating Technology:

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



Fibre discs

Applications Fibre Discs

| Application | Type | Grain | Backing | Coating | Characteristics | Page |
|------------------------|-------------------|------------------------|---------|---------|--|------------|
| Steel, NF metals | CS 561 | Aluminum oxide | Fibre | ● | Abrasive fibre disc for working on steel and NF metals | 122 |
| Steel, stainless steel | CS 565 | Zirconia alumina | Fibre | ● | Abrasive fibre disc with high stock removal rate for rough grinding and deburring of steel and stainless steel | 123 |
| | CS 570 | Zirconia alumina | Fibre | ● | High-performance fibre disc with additional multibond for high stock removal rate and long service life for cool grinding on stainless steel and high-alloy steel, especially for surface grinding | 124 |
| Stainless steel | FS 966 ACT | Ceramic aluminum oxide | Fibre | ● | High-performance fibre disc with very high stock removal rate and extremely long service life, with self-sharpening ceramic grain for the processing of high-alloy steel, multibond for cool grinding. Improved grit adhesion due to new Advanced Coating Technology | 125 |

● = close ● = semi-open ○ = open



Fibre discs

Coated abrasives

Abrasive fibre disc

CS 561



Properties

| | |
|---------------|----------------|
| Bonding agent | Resin |
| Grain | Aluminum oxide |
| Coating | Close |

Applications:

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

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

Available grits:

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

| Diameter x Hole | Grit | Hole pattern | Packing unit/pcs. | Article number |
|-----------------|------|--------------|-------------------|----------------|
| 4 x 5/8 | 24 | ⊙ 10 | 25 | 65713 |
| 4 x 5/8 | 36 | ⊙ 10 | 25 | 65718 |
| 4 x 5/8 | 50 | ⊙ 10 | 25 | 65725 |
| 4 x 5/8 | 60 | ⊙ 10 | 25 | 65730 |
| 4 x 5/8 | 80 | ⊙ 10 | 25 | 65735 |
| 4-1/2 x 7/8 | 16 | ⊛ 30 | 25 | 10977 |
| 4-1/2 x 7/8 | 24 | ⊛ 30 | 25 | 10978 |
| 4-1/2 x 7/8 | 36 | ⊛ 30 | 25 | 10980 |
| 4-1/2 x 7/8 | 40 | ⊛ 30 | 25 | 10981 |
| 4-1/2 x 7/8 | 50 | ⊛ 30 | 25 | 10982 |
| 4-1/2 x 7/8 | 60 | ⊛ 30 | 25 | 10983 |
| 4-1/2 x 7/8 | 80 | ⊛ 30 | 25 | 10984 |
| 4-1/2 x 7/8 | 100 | ⊛ 30 | 25 | 10985 |
| 4-1/2 x 7/8 | 120 | ⊛ 30 | 25 | 10986 |
| 4-1/2 x 7/8 | 180 | ⊛ 30 | 25 | 10988 |
| 5 x 7/8 | 16 | ⊛ 30 | 25 | 11009 |
| 5 x 7/8 | 24 | ⊛ 30 | 25 | 11010 |
| 5 x 7/8 | 36 | ⊛ 30 | 25 | 11012 |
| 5 x 7/8 | 40 | ⊛ 30 | 25 | 11013 |
| 5 x 7/8 | 50 | ⊛ 30 | 25 | 11014 |
| 5 x 7/8 | 60 | ⊛ 30 | 25 | 11015 |
| 5 x 7/8 | 80 | ⊛ 30 | 25 | 11016 |
| 5 x 7/8 | 100 | ⊛ 30 | 25 | 11017 |
| 5 x 7/8 | 120 | ⊛ 30 | 25 | 11018 |
| 5 x 7/8 | 150 | ⊛ 30 | 25 | 11019 |
| 7 x 7/8 | 16 | ⊛ 30 | 25 | 11057 |
| 7 x 7/8 | 24 | ⊛ 30 | 25 | 11058 |
| 7 x 7/8 | 36 | ⊛ 30 | 25 | 11060 |
| 7 x 7/8 | 50 | ⊛ 30 | 25 | 11062 |

Back-up pads see page 126 / Dispenser see page 127

Continuation →

Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 121.

Fibre discs

Coated abrasives



→ Continuation of CS 561, Abrasive fibre disc

| Diameter x Hole | Grit | Hole pattern | Packing unit/pcs. | Article number |
|-----------------|------|--------------|-------------------|----------------|
| 7 x 7/8 | 60 | ⊗ 30 | 25 | 11063 |
| 7 x 7/8 | 80 | ⊗ 30 | 25 | 11064 |
| 7 x 7/8 | 100 | ⊗ 30 | 25 | 11065 |
| 7 x 7/8 | 120 | ⊗ 30 | 25 | 11066 |

Back-up pads see page 126 / Dispenser see page 127

Abrasive fibre disc

CS 565



Properties

| | |
|---------------|------------------|
| Bonding agent | Resin |
| Grain | Zirconia alumina |
| Coating | Close |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |
| Metals | ● |

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

Available grits:

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

| Diameter x Hole | Grit | Hole pattern | Packing unit/pcs. | Article number |
|-----------------|------|--------------|-------------------|----------------|
| 4-1/2 x 7/8 | 24 | ⊗ 30 | 25 | 95335 |
| 4-1/2 x 7/8 | 36 | ⊗ 30 | 25 | 6686 |
| 4-1/2 x 7/8 | 50 | ⊗ 30 | 25 | 92066 |
| 4-1/2 x 7/8 | 60 | ⊗ 30 | 25 | 6687 |
| 4-1/2 x 7/8 | 80 | ⊗ 30 | 25 | 6688 |
| 4-1/2 x 7/8 | 100 | ⊗ 30 | 25 | 204609 |
| 5 x 7/8 | 24 | ⊗ 30 | 25 | 97643 |
| 5 x 7/8 | 36 | ⊗ 30 | 25 | 6620 |
| 5 x 7/8 | 50 | ⊗ 30 | 25 | 93054 |
| 5 x 7/8 | 60 | ⊗ 30 | 25 | 6721 |
| 5 x 7/8 | 80 | ⊗ 30 | 25 | 23005 |
| 5 x 7/8 | 100 | ⊗ 30 | 25 | 204611 |
| 7 x 7/8 | 24 | ⊗ 30 | 25 | 95993 |
| 7 x 7/8 | 36 | ⊗ 30 | 25 | 65703 |
| 7 x 7/8 | 50 | ⊗ 30 | 25 | 93045 |

Back-up pads see page 126 / Dispenser see page 127

Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 121.

Fibre discs

Coated abrasives

Fibre disc, multibond

CS 570



Properties

| | |
|---------------|------------------|
| Bonding agent | Resin |
| Grain | Zirconia alumina |
| Coating | Close |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Aluminum | ● |
| 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 aluminum

Available grits:

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

| Diameter x Hole | Grit | Hole pattern | Packing unit/pcs. | Article number |
|-----------------|------|--------------|-------------------|----------------|
| 4-1/2 x 7/8 | 24 | ⊗ 30 | 25 | 204085 |
| 4-1/2 x 7/8 | 36 | ⊗ 30 | 25 | 204086 |
| 4-1/2 x 7/8 | 50 | ⊗ 30 | 25 | 204087 |
| 4-1/2 x 7/8 | 60 | ⊗ 30 | 25 | 204088 |
| 4-1/2 x 7/8 | 80 | ⊗ 30 | 25 | 204089 |
| 4-1/2 x 7/8 | 120 | ⊗ 30 | 25 | 204091 |
| 5 x 7/8 | 24 | ⊗ 30 | 25 | 204092 |
| 5 x 7/8 | 36 | ⊗ 30 | 25 | 204093 |
| 5 x 7/8 | 50 | ⊗ 30 | 25 | 204094 |
| 5 x 7/8 | 60 | ⊗ 30 | 25 | 204095 |
| 5 x 7/8 | 80 | ⊗ 30 | 25 | 204096 |
| 5 x 7/8 | 100 | ⊗ 30 | 25 | 204097 |
| 5 x 7/8 | 120 | ⊗ 30 | 25 | 204098 |
| 7 x 7/8 | 24 | ⊗ 30 | 25 | 204099 |
| 7 x 7/8 | 36 | ⊗ 30 | 25 | 204100 |
| 7 x 7/8 | 50 | ⊗ 30 | 25 | 204101 |
| 7 x 7/8 | 80 | ⊗ 30 | 25 | 204103 |

Back-up pads see page 126 / Dispenser see page 127

Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 121.



Fibre disc, multibond

FS 966 ACT



Properties

| | |
|---------------|-------------------|
| Bonding agent | Resin |
| Grain | Ceramic Al. oxide |
| Coating | Close |

Applications:

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

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

Available grits:

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

| Diameter x Hole | Grit | Hole pattern | Packing unit/pcs. | Article number |
|-----------------|------|--------------|-------------------|----------------|
| 4-1/2 x 7/8 | 36 | ⊗ 30 | 25 | 316490 |
| 4-1/2 x 7/8 | 40 | ⊗ 30 | 25 | 316491 |
| 4-1/2 x 7/8 | 60 | ⊗ 30 | 25 | 316492 |
| 4-1/2 x 7/8 | 80 | ⊗ 30 | 25 | 316493 |
| 5 x 7/8 | 36 | ⊗ 30 | 25 | 316494 |
| 5 x 7/8 | 40 | ⊗ 30 | 25 | 316495 |
| 5 x 7/8 | 60 | ⊗ 30 | 25 | 316496 |
| 5 x 7/8 | 80 | ⊗ 30 | 25 | 316497 |
| 7 x 7/8 | 36 | ⊗ 30 | 25 | 316498 |
| 7 x 7/8 | 40 | ⊗ 30 | 25 | 316499 |
| 7 x 7/8 | 60 | ⊗ 30 | 25 | 316501 |
| 7 x 7/8 | 80 | ⊗ 30 | 25 | 316502 |

Back-up pads see page 126 / Dispenser see page 127

Other grits and sizes available on request.
Please observe: Please see Applications Guide on page 121.

Back-up pads

Back-up pad

ST 358 C



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

| Dimensions | Density | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|----------------|---------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 5/8-11 | Med. | 80 m/s | 13,300 rpm | 1 | 303782 |
| 5 x 5/8-11 | Med. | 80 m/s | 12,200 rpm | 1 | 303783 |
| 7 x 5/8-11 | Med. | 80 m/s | 8,500 rpm | 1 | 303784 |

Back-up pad

ST 358 CS



Advantages: Increases air flow between the disc and back-up pad - Slots reduce heat and extend disc life - Includes retaining nut

| Dimensions | Density | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|----------------|---------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 5/8-11 | Med. | 80 m/s | 13,500 rpm | 1 | 305849 |
| 5 x 5/8-11 | Med. | 80 m/s | 13,000 rpm | 1 | 306080 |
| 7 x 5/8-11 | Med. | 80 m/s | 8,600 rpm | 1 | 304811 |

Dispenser for fibre discs

FS 555



Advantages: Easy stacking and removal of up to 100 fibre discs with 4-1/2 – 7" diameter - Organized and accessible storage at the workplace
Fibre discs not included

| Size | Packing unit/pcs. | Article number |
|--------------------------|-------------------|----------------|
| 6-1/16 x 5-1/2 x 7-23/32 | 1 | 316463 |



Abrasive mop disc



About the product

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

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

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

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

| Application | Material | | | | | | |
|-------------------------------------|-----------------------------|------------------------|---|------------------------|------------------------|--------|----------------------------------|
| | Metal universal / steel | | Stainless steel (INOX), high alloy stainless steel, NF-metals | | Aluminum, NF-metals | | Paint, varnishes, plastics, wood |
| | Type | Design | Type | Design | Type | Design | Type |
| Finish grinding | <i>SMT 324 EXTRA</i> | flat | <i>SMT 628 SUPRA</i> | | | | |
| | <i>SMT 325 EXTRA</i> | flat | <i>SMT 925 SPECIAL</i> | flat | | | |
| | <i>SMT 628 SUPRA</i> | | <i>SMT 636 SUPRA</i> | | | | |
| | <i>SMT 925 SPECIAL</i> | flat | <i>SMT 996 SPECIAL</i> | | | | |
| | <i>SMT 640 SPECIAL</i> | | <i>SMT 800 SPECIAL</i> | | <i>SMT 636 SUPRA</i> | flat | |
| | | | <i>CMT 800 SPECIAL</i> | | | | |
| Welded seam work | | | <i>CMT 728 SUPRA</i> | | | | |
| | <i>SMT 324 EXTRA</i> | convex | <i>SMT 624 SUPRA</i> | | <i>SMT 314 EXTRA</i> | convex | |
| | <i>SMT 325 EXTRA</i> | convex | <i>SMT 626 SUPRA</i> | | <i>SMT 636 SUPRA</i> | convex | |
| | <i>SMT 624 SUPRA</i> | | <i>SMT 636 SUPRA</i> | convex | | | |
| | <i>SMT 626 SUPRA</i> | | <i>SMT 996 SPECIAL</i> | convex | | | |
| | <i>SMT 926 SPECIAL</i> | | <i>CMT 726 SUPRA</i> | | | | |
| Edge work; bevelling | <i>SMT 850 plus SPECIAL</i> | | | | | | |
| | <i>SMT 324 EXTRA</i> | convex | <i>SMT 624 SUPRA</i> | | <i>SMT 314 EXTRA</i> | convex | |
| | <i>SMT 325 EXTRA</i> | convex | <i>SMT 626 SUPRA</i> | | | | |
| | <i>SMT 624 SUPRA</i> | | <i>SMT 314 EXTRA</i> | convex | | | |
| | <i>SMT 626 SUPRA</i> | | <i>SMT 636 SUPRA</i> | convex | <i>SMT 636 SUPRA</i> | convex | |
| | <i>SMT 314 EXTRA</i> | convex | <i>SMT 926 SPECIAL</i> | | | | |
| Concave fillet weld work | <i>SMT 926 SPECIAL</i> | | <i>SMT 996 SPECIAL</i> | convex | | | |
| | | | <i>CMT 726 SUPRA</i> | | | | |
| Rust and varnish removal | | | <i>MFW 600 SPECIAL</i> | | | | |
| | <i>SMT 800 SPECIAL</i> | | <i>SMT 800 SPECIAL</i> | | <i>SMT 800 SPECIAL</i> | | |
| | <i>CMT 800 SPECIAL</i> | | <i>CMT 800 SPECIAL</i> | | <i>CMT 800 SPECIAL</i> | | <i>NCD 200 SPECIAL</i> |
| Heat tinting and oxide film removal | <i>NCD 200 SPECIAL</i> | | <i>NCD 200 SPECIAL</i> | | <i>NCD 200 SPECIAL</i> | | |
| | | | <i>SMT 800 SPECIAL</i> | | <i>SMT 800 SPECIAL</i> | | |
| | | | <i>CMT 800 SPECIAL</i> | | <i>CMT 800 SPECIAL</i> | | |
| | | <i>NCD 200 SPECIAL</i> | | <i>NCD 200 SPECIAL</i> | | | |

Abrasive mop disc



Abrasive mop disc

Applications guide

1. Red bar

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

2. Safety recommendations

oSa label

3. Dimensions

Product dimensions in millimeter and inch

4. Punch ring

Manufacturer information, no expiry date!

5. Grit size

6. Cat. number

7. Safety recommendations

Language neutral pictograms

8. Quality class

Extra/Supra/Special

9. Product name

Type



Product groups

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



EXTRA

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



SUPRA

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



SPECIAL

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

Abrasive mop disc

Applications guide



Product structure

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

1. Grinding flaps

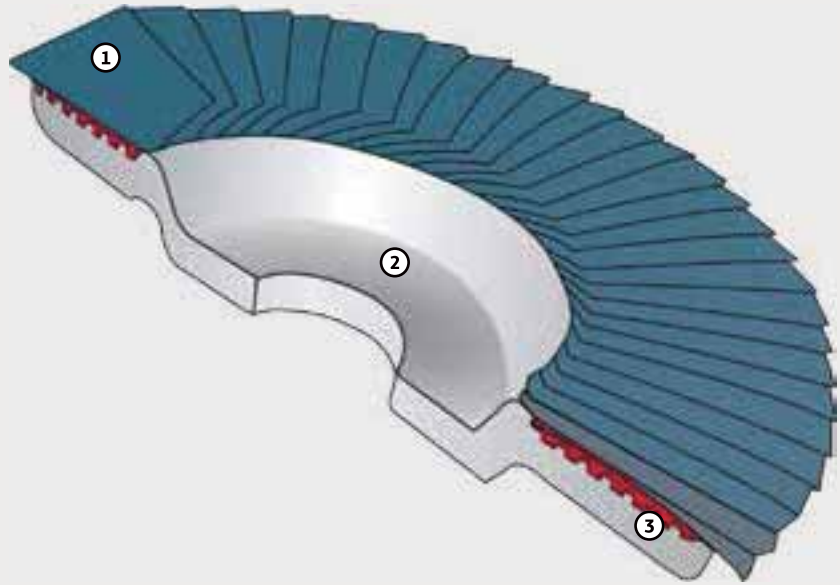
Klingspor has developed special coated abrasives for its abrasive mop discs. The grinding tool is perfect for use with high speed angle grinders (80 m/s) and corresponding applications. This ensures top grinding performance and long service life.

2. Backing plate

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

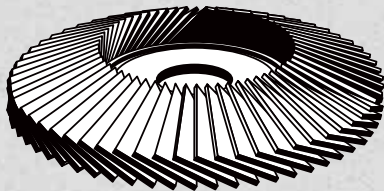
3. Glue

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

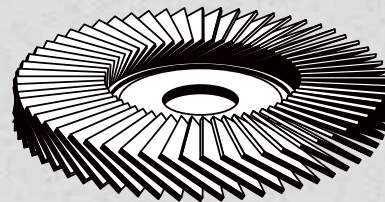


Form

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



convex



flat



Abrasive mop disc

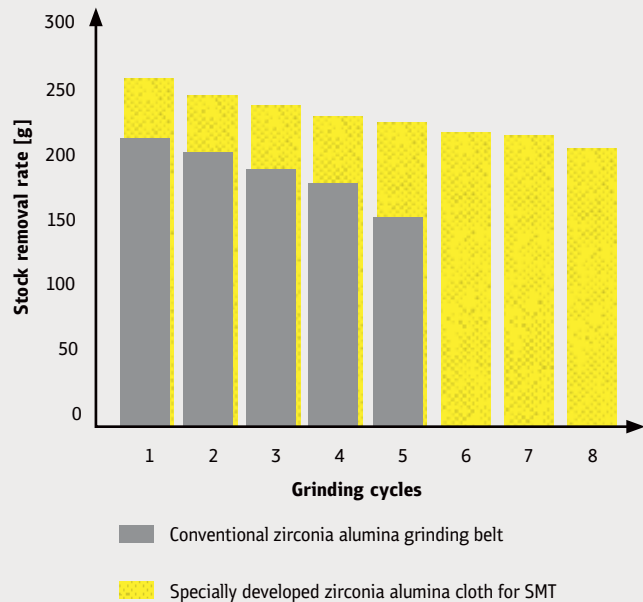
Abrasive mop disc

Applications guide

Coated abrasives

Compared to belt applications the coated abrasives for abrasive mop discs withstand much higher loads. On the one hand, the cutting speed of abrasive mop discs is approx. 2 to 2.5 times faster than the cutting rate of a belt application, on the other hand the backing must wear down to ensure that new, unused grit is used.

Klingspor has developed special coated abrasives specifically for this product group. These are developed specifically for high powered angle grinders (80 m/s) and ensures top grinding performance and long service life (see diagram).



1. Zirconia alumina cloth

zirconia alumina grit, heavy cotton polyester cloth, best performance with high power machines

2. Zirconia alumina cloth

aggressive zirconia alumina grit, robust cotton polyester backing, for high stock removal

3. Zirconia alumina + Multibond

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

4. Aluminum oxide cloth

durable grit aluminum oxide, cotton cloth, for use with metal and NF-metals

5. Ceramic aluminum oxide + Multibond

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

6. Ceramic aluminum oxide

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



The safe use of Klingspor abrasives

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



Wear safety goggles or glasses to protect the eyes



Wear safety gloves to protect hands



Wear a dust mask



Observe safety instructions



Use ear muffs



Do not use for wet grinding



Correctly mounted














Incorrectly mounted

Abrasive mop disc

Applications guide

New SMT program 2015

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

Abrasive mop disc

Abrasive mop disc

Abrasive mop disc

SMT 314 EXTRA



NEW

Quality *EXTRA*

Aggression

Service life

Applications:

Steel

NF metals

Wood

Properties

Backing plate Glass fibre

Design Convex 12°

Grain Aluminum oxide

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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 322809 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 322811 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 322812 |
| 4-1/2 x 7/8 | | 120 | 80 m/s | 13,300 rpm | 10 | 322813 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 322815 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 322817 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 322818 |
| 5 x 7/8 | | 120 | 80 m/s | 12,200 rpm | 10 | 322819 |

Abrasive mop disc

SMT 324 EXTRA



NEW

Quality *EXTRA*

Aggression

Service life

Applications:

Stainless steel

Steel

Properties

Backing plate Glass fibre

Design Convex 12°, flat

Grain Zirconia alumina

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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321509 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321511 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321513 |

Please observe: Please see Applications Guide on page 129 - 133.

Continuation →

Abrasive mop disc



→ Continuation of SMT 324 Extra, Abrasive mop disc

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321645 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321647 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321649 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321510 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321512 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321514 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321646 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321648 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321650 |

Abrasive mop disc

SMT 325 EXTRA



| Quality | EXTRA |
|--------------|---------------|
| Aggression | ■ ■ ■ ■ ■ □ □ |
| Service life | ■ ■ ■ ■ □ □ □ |

| Applications: | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |



NEW

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

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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321659 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321661 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321663 |
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321653 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321655 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321657 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321660 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321662 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321664 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321654 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321656 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321658 |

Please observe: Please see Applications Guide on page 129 - 133.

Abrasive mop disc

Abrasive mop disc

SMT 624 SUPRA



NEW

Quality SUPRA

Aggression

Service life

Applications:

Stainless steel ●

Steel ●

Properties

Backing plate Glass fibre

Design Convex 12°

Grain Zirconia alumina

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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 36 | 80 m/s | 13,300 rpm | 10 | 322764 |
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 322765 |
| 4-1/2 x 7/8 | | 50 | 80 m/s | 13,300 rpm | 10 | 322766 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 322767 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 322768 |
| 4-1/2 x 7/8 | | 120 | 80 m/s | 13,300 rpm | 10 | 322769 |
| 5 x 7/8 | | 36 | 80 m/s | 12,200 rpm | 10 | 322771 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 322772 |
| 5 x 7/8 | | 50 | 80 m/s | 12,200 rpm | 10 | 322773 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 322774 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 322775 |
| 5 x 7/8 | | 120 | 80 m/s | 12,200 rpm | 10 | 322776 |
| 6 x 7/8 | | 40 | 80 m/s | 10,200 rpm | 10 | 322778 |
| 6 x 7/8 | | 60 | 80 m/s | 10,200 rpm | 10 | 322779 |
| 6 x 7/8 | | 80 | 80 m/s | 10,200 rpm | 10 | 322780 |
| 7 x 7/8 | | 36 | 80 m/s | 8,500 rpm | 10 | 322782 |
| 7 x 7/8 | | 40 | 80 m/s | 8,500 rpm | 10 | 322783 |
| 7 x 7/8 | | 50 | 80 m/s | 8,500 rpm | 10 | 322784 |
| 7 x 7/8 | | 60 | 80 m/s | 8,500 rpm | 10 | 322785 |
| 7 x 7/8 | | 80 | 80 m/s | 8,500 rpm | 10 | 322786 |

Please observe: Please see Applications Guide on page 129 - 133.



Abrasive mop disc



NEW

Abrasive mop disc

SMT 626 SUPRA



| Quality | SUPRA | Applications: | Properties |
|--------------|----------|-------------------|---------------------------|
| Aggression | ■■■■■■■□ | Stainless steel ● | Backing plate Glass fibre |
| Service life | ■■■■■■■□ | Steel ● | Design Convex 6° |
| | | | Grain Zirconia alumina |

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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321689 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321694 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321697 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321690 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321695 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321698 |

Abrasive mop disc

SMT 628 SUPRA



| Quality | SUPRA | Applications: | Properties |
|--------------|----------|-------------------|---------------------------|
| Aggression | ■■■■■■■□ | Stainless steel ● | Backing plate Glass fibre |
| Service life | ■■■■■■■□ | Steel ● | Design Flat |
| | | | Grain Zirconia alumina |

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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 322790 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 322792 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 322793 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 322796 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 322798 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 322799 |

Please observe: Please see Applications Guide on page 129 - 133.

Abrasive mop disc

Abrasive mop disc

SMT 925 SPECIAL



| | |
|--------------|-----------|
| Quality | SPECIAL |
| Aggression | ■■■■■■■■■ |
| Service life | ■■■■■■■□ |

| | |
|-----------------|---|
| Applications: | |
| Stainless steel | ● |
| Steel | ● |



NEW

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

Advantages: Significantly higher abrasive performance and service life - Optimal removal rate when used on high-power angle grinders under increased grinding pressure - High removal rate and long service life

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321714 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321715 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321716 |
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321670 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321674 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 321677 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321719 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321720 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321721 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321671 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321675 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321678 |

Please observe: Please see Applications Guide on page 129 - 133.



Abrasive mop disc



Abrasive mop disc

SMT 640 SPECIAL



Quality *SPECIAL*



Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

Properties

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



Advantages: Perfectly suited for surface grinding of stainless steel and metal in general - Easy and quick mounting with internal thread 5/8-11"

Available grits:

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

| Diameter x Bore | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 5/8-11 | 40 | 80 m/s | 13,300 rpm | 10 | 207207 |
| 4-1/2 x 5/8-11 | 60 | 80 m/s | 13,300 rpm | 10 | 207208 |
| 4-1/2 x 5/8-11 | 80 | 80 m/s | 13,300 rpm | 10 | 207209 |

Abrasive mop disc, multibond

SMT 636 SUPRA



Quality *SUPRA*



NEW

Applications:

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

Properties

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



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

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 322826 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 322827 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 322828 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 322831 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 322832 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 322833 |

Please observe: Please see Applications Guide on page 129 - 133.

Abrasive mop disc

Abrasive mop disc

SMT 926 SPECIAL



NEW

Quality *SPECIAL*

Applications:

Properties

| | |
|--------------|----------|
| Aggression | ■■■■■■■□ |
| Service life | ■■■■■■■ |

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

| | |
|---------------|------------------|
| Backing plate | Glass fibre |
| Design | Convex 6° |
| Grain | Zirconia alumina |

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

Available grits:

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

| Diameter x Bore in mm | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 321703 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 321706 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 321704 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 321707 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 321709 |

Abrasive mop disc

SMT 924 SPECIAL



NEW

Quality *SPECIAL*

Applications:

Properties

| | |
|--------------|---------|
| Aggression | ■■■■■■■ |
| Service life | ■■■■■■■ |

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

| | |
|---------------|------------------------|
| Backing plate | Glass fibre |
| Design | Convex 12° |
| Grain | Ceramic Aluminum oxide |

Advantages: Highly aggressive abrasive performance for demanding work on edges - High edge stability - Optimal removal rate when used on high-power angle grinders under increased grinding pressure

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 322862 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 322863 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 322864 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 322867 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 322868 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 322869 |

Please observe: Please see Applications Guide on page 129 - 133.



Abrasive mop disc



NEW

Abrasive mop disc, multibond

SMT 996 SPECIAL



| | |
|--------------|-----------|
| Quality | SPECIAL |
| Aggression | ■■■■■■■■■ |
| Service life | ■■■■■■■□ |

| | |
|---------------|-------------------|
| Applications: | Stainless steel ● |
|---------------|-------------------|



| | |
|---------------|----------------------------------|
| Properties | |
| Backing plate | Glass fibre |
| Design | Convex 6°, flat |
| Grain | Ceramic Aluminum oxide multibond |

Advantages: Aggressive abrasive performance with little expenditure of energy - High edge stability - Cool grinding due to multibond - Optimal removal rate when used on high-power angle grinders under increased grinding pressure

Available grits:

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

| Diameter x Bore | Form | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | 40 | 80 m/s | 13,300 rpm | 10 | 322849 |
| 4-1/2 x 7/8 | | 60 | 80 m/s | 13,300 rpm | 10 | 322850 |
| 4-1/2 x 7/8 | | 80 | 80 m/s | 13,300 rpm | 10 | 322851 |
| 5 x 7/8 | | 40 | 80 m/s | 12,200 rpm | 10 | 322852 |
| 5 x 7/8 | | 60 | 80 m/s | 12,200 rpm | 10 | 322853 |
| 5 x 7/8 | | 80 | 80 m/s | 12,200 rpm | 10 | 322854 |

Abrasive mop disc

SMT 800 SPECIAL



| | |
|---------------|------------------------------|
| Quality | SPECIAL |
| Applications: | Stainless steel ● Steel ● |



| | |
|---------------|-------------|
| Properties | |
| Design | Convex 12° |
| Backing plate | Glass fibre |

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

| Diameter x Bore | Grade | Colour | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|-----------|--------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | coarse | brown | 80 m/s | 13,300 rpm | 5 | 278495 |
| 4-1/2 x 7/8 | medium | maroon | 80 m/s | 13,300 rpm | 5 | 278496 |
| 4-1/2 x 7/8 | very fine | blue | 80 m/s | 13,300 rpm | 5 | 278497 |
| 5 x 7/8 | coarse | brown | 80 m/s | 12,200 rpm | 5 | 278498 |
| 5 x 7/8 | medium | maroon | 80 m/s | 12,200 rpm | 5 | 278499 |
| 5 x 7/8 | very fine | blue | 80 m/s | 12,200 rpm | 5 | 278500 |

Please observe: Please see Applications Guide on page 129 - 133.

Abrasive mop disc

Combi-Abrasive mop disc

SMT 850 plus SPECIAL



Quality SPECIAL

Applications:

Stainless steel ●

Properties

Design Convex 12°

Backing plate Glass fibre



Advantages: High-quality combi non-woven mop disc - Specially suited for machining of WIG weld seams on stainless steel components - Even finish throughout the entire service life - Stock removal and finishing in one step

| Diameter x Bore in mm | Grit | Grade | Colour | Max. operating speed | Max. RPM | Recommended RPM | Packing unit/pcs. | Article number |
|-----------------------|------|-----------|--------|----------------------|------------|-----------------|-------------------|----------------|
| 4-1/2 x 7/8 | 60 | coarse | brown | 80 m/s | 13,300 rpm | 7,000 rpm | 5 | 312556 |
| 4-1/2 x 7/8 | 80 | medium | maroon | 80 m/s | 13,300 rpm | 7,000 rpm | 5 | 312557 |
| 4-1/2 x 7/8 | 120 | very fine | blue | 80 m/s | 13,300 rpm | 7,000 rpm | 5 | 312558 |
| 5 x 7/8 | 60 | coarse | brown | 80 m/s | 12,200 rpm | 6,400 rpm | 5 | 312559 |
| 5 x 7/8 | 80 | medium | maroon | 80 m/s | 12,200 rpm | 6,400 rpm | 5 | 312560 |
| 5 x 7/8 | 120 | very fine | blue | 80 m/s | 12,200 rpm | 6,400 rpm | 5 | 312561 |

High performance non-woven web wheels

MFW 600



Applications:

Steel ●

Stainless steel ●

NF metals ●

Properties

Bonding agent Resin

Grain SiC

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

| Diameter x Width x Bore in mm | Grade | Colour | Max. operating speed | Max. RPM | Recommended operating speed | Recommended RPM | Packing unit/pcs. | Article number |
|-------------------------------|-----------|--------|----------------------|-----------|-----------------------------|-----------------|-------------------|----------------|
| 6 x 1/4 x 7/8 | coarse | Red | 47 m/s | 6,000 rpm | 22 m/s | 2,800 rpm | 5 | 311867 |
| 6 x 1/4 x 7/8 | medium | Grey | 47 m/s | 6,000 rpm | 22 m/s | 2,800 rpm | 5 | 311868 |
| 6 x 1/4 x 7/8 | fine | Blue | 47 m/s | 6,000 rpm | 22 m/s | 2,800 rpm | 5 | 311869 |
| 6 x 1/4 x 7/8 | very fine | Green | 37 m/s | 4,700 rpm | 22 m/s | 2,800 rpm | 5 | 311870 |

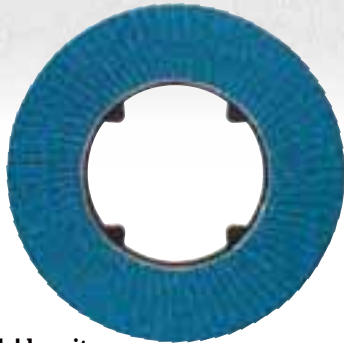
Please observe: Please see Applications Guide on page 129 - 133.

Abrasive mop disc



Abrasive mop disc

CMT 726 SUPRA



| | |
|----------------|----------|
| Quality | SUPRA |
| Aggression | ■■■■■■■□ |
| Service life | ■■■■■■■□ |

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| Steel | ● |

| | |
|-------------------|---------------------------------|
| Properties | |
| Design | Convex 6° |
| Grain | Zirconia alumina |
| Backing plate | Plastic, glass-fibre reinforced |

Advantages: Rapid action system for applications with high material consumption or frequent changes of grits - Perfectly suited for grinding of surfaces and edges on steel, stainless steel and high-alloy steels

Available grits:

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

| Diameter | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|----------|------|----------------------|------------|-------------------|----------------|
| 5 x 0 | 40 | 80 m/s | 12,200 rpm | 10 | 252877 |
| 5 x 0 | 60 | 80 m/s | 12,200 rpm | 10 | 252878 |
| 5 x 0 | 80 | 80 m/s | 12,200 rpm | 10 | 252879 |
| 5 x 0 | 120 | 80 m/s | 12,200 rpm | 10 | 252880 |

Abrasive mop disc

CMT 728 SUPRA



| | |
|----------------|----------|
| Quality | SUPRA |
| Aggression | ■■■■■■■□ |
| Service life | ■■■■■■■□ |

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| Steel | ● |

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

Advantages: Rapid action system for applications with high material consumption or frequent changes of grits - Perfectly suited for flat and surface grinding on steel, stainless steel and high-alloy steels

Available grits:

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

| Diameter | Grit | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|----------|------|----------------------|------------|-------------------|----------------|
| 5 x 0 | 40 | 80 m/s | 12,200 rpm | 10 | 252881 |
| 5 x 0 | 60 | 80 m/s | 12,200 rpm | 10 | 252882 |

Please observe: Please see Applications Guide on page 129 - 133.

Abrasive mop disc

Abrasive mop disc

CMT 800 SPECIAL



Quality *SPECIAL*



Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

Properties

| | |
|---------------|---------------------------------|
| Design | Convex 6° |
| Backing plate | Plastic, glass-fibre reinforced |

Advantages: High quality non-woven web abrasive mop disc for finishing work - Depending on the degree of hardness also suited for cleaning and light de-burring work and the processing of TIG-welded seams on stainless steel

| Diameter | Grade | Max. operating speed | Max. RPM | Recommended RPM | Packing unit/pcs. | Article number |
|----------|-----------|----------------------|------------|-----------------|-------------------|----------------|
| 5 x 0 | coarse | 80 m/s | 12,200 rpm | 6,400 rpm | 5 | 304077 |
| 5 x 0 | medium | 80 m/s | 12,200 rpm | 6,400 rpm | 5 | 304078 |
| 5 x 0 | very fine | 80 m/s | 12,200 rpm | 6,400 rpm | 5 | 304079 |

Mounting plate

CMT 555



Advantages: Mounting plate for abrasive mop disc CMT made of sturdy diecasting, more than a thousand times reusable if used properly - Adapter 5/8"

| For diameter (CMT) | Max. operating speed | Max. RPM | Material | Packing unit/pcs. | Article number |
|--------------------|----------------------|------------|------------------|-------------------|----------------|
| 5 x 5/8 | 80 m/s | 12,200 rpm | Zinc die-casting | 1 | 316523 |

Please observe: Please see Applications Guide on page 129 - 133.

Cleaning wheel / Non-woven web wheel



Cleaning wheel

NCD 200



Applications:

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

Properties

| | |
|---------------|-------|
| Design | Flat |
| Bonding agent | Resin |

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

| Diameter x Bore | Form | Grain | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-----------------|------|-------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 7/8 | | SiC | 63 m/s | 10,450 rpm | 5 | 259043 |
| 5 x 7/8 | | SiC | 63 m/s | 9,600 rpm | 5 | 259044 |

Abrasive mop disc

Please observe: Please see Applications Guide on page 129 - 133.





Kronenflex® cut-off wheels and grinding discs



About the product

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

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

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

Typical materials for these products

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

Typical applications for these products

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



Kronenflex® cut-off wheels and grinding discs

Applications guide

1. EAN-Code (EAN-13)
2. Safety pictograms
3. Max. operating speed
4. Klingspor Cat. No.
5. Specification of design, grade and bond according to EN 12413
6. Dimensions in mm and inches
7. Applications (see colour coding system)



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

Quality classes

Kronenflex® cut-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 appealing price-performance ratio.



SUPRA

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



SPECIAL

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

Kronenflex® cut-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 grits produced synthetically can ensure continuously high wear and cutting disc quality.

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



3. Metal ring

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

4. Glass fibre

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

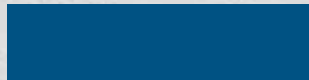
The higher the potential lateral load on a cut-off disc (it is greater during free cutting than during stationary cutting), the greater the need for additional reinforcement (eg. more fibre glass layers).

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

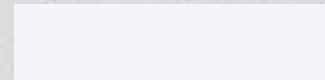
Klingspor cut-off wheel and grinding disc colour coding system



Metal universal:
Grey



Stainless steel:
Blue



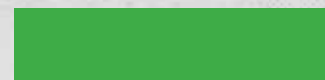
Aluminum:
Silver



Steel:
Black



Castings:
Red



Stone/concrete:
Green



Kronenflex® cut-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 cut-off wheels and grinding discs is primarily determined by their moisture content. Cutting-off wheels and grinding discs that are subjected to increased humidity after they were manufactured lose their original service life. Proper storage ensures a consistent long service life. Cut-off wheels and grinding discs that are exposed to water or steam are a safety risk.

The user is obligated to operate the product properly. For legal reasons, this instruction applies to following the expiry date on the metal ring. Principally the following applies: cut-off wheels and grinding discs may not be used past the expiry date!

Working safely...

... by being careful and recognizing risks

Please avoid the risks listed below when working with cut-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 cut-off wheel and grinding disc for damage. If the cut-off wheel or grinding disc is damaged, do not use the damaged product. Our cut-off wheels and grinding discs are marked with the corresponding safety pictograms.

... through proper use

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

Ensure that the disc is properly and securely mounted and use the correct mounting flange.

Prior to starting work, the abrasive disc should run at operating speed for at least 30 seconds.

Please observe the FEPA safety regulations and the European Standard 12413.

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



The optimal speed

Too low

If the RPM of the machine is too low, the cut-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 is above average.

Optimal

Klingspor cut-off wheels and grinding discs are high performance products and were developed such that best disc performance (measured according to the stock removal volume to disc wear ratio) is achieved in the range right below the maximum peripheral speed. Keep the machine running at a consistently high RPM and, if needed, select a more powerful machine.

Too high

The maximum RPM and peripheral speed is printed on the label of each disc. For your own safety, please be sure not to exceed the recommended speeds when grinding.

The proper grinding pressure

An important requirement for a satisfactory cutting result is the correct amount of grinding pressure.

A common mistake is to reduce the grinding pressure to preserve the disc and extend the cutting life of the wheel. If this is done, the material overheats (turns blue); the cut-off wheel becomes clogged and “burns up”.

This is why the grinding pressure should always be set such that the cutting time is as short as possible. This is particularly true for heat sensitive material with large material cross-sections.

The proper hardness

...for cut-off wheels

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

...for grinding discs

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

In addition, the application plays a decisive role.

Corner grinding and the grinding of burrs and sharp edges can cause grit to be removed from the bond. We suggest the selection of a hard bond.

On the other hand, when working on surfaces or small weld seams a disc that is too hard would become dull and would no longer be effective. It would have a good service life, but would also have a low stock removal rate and high work costs.

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

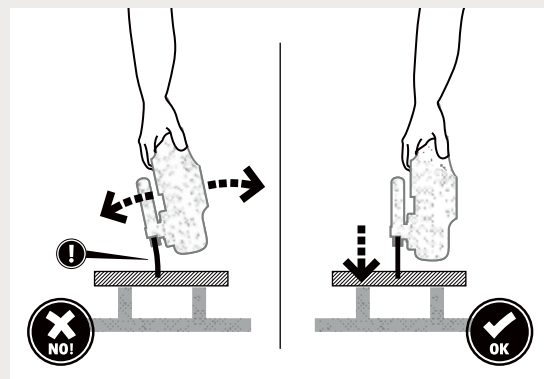
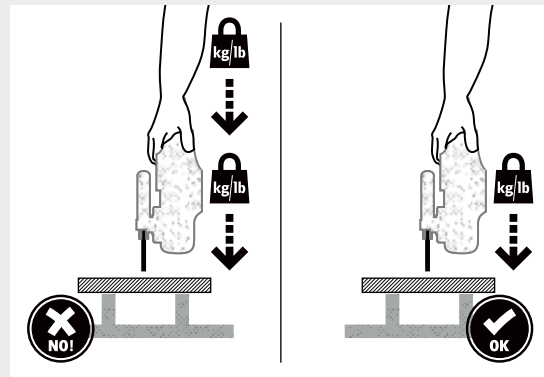


Kronenflex® cut-off wheels and grinding discs

Applications guide

Correct application/techniques for cutting-off

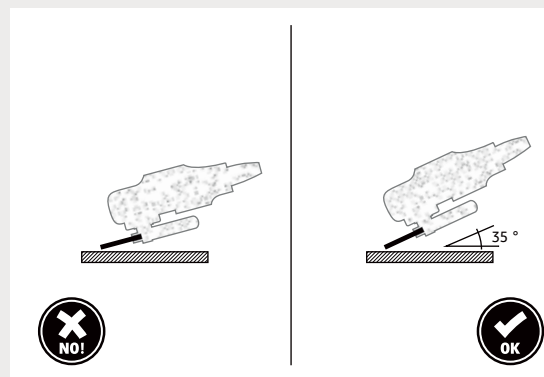
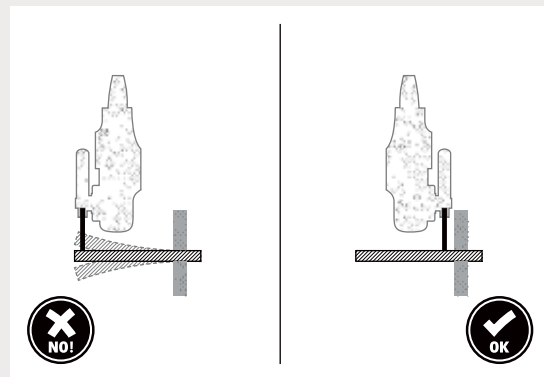
Pressure may only be placed on the cut-off wheel from a radial direction. This is the only way to avoid wobbling, buckling and disc breakage, especially when applying a high level of cutting pressure. The workpiece that is to be cut-off should be properly affixed to the workbench to ensure that the disc 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.



Kronenflex® cut-off wheels and grinding discs

Applications guide



The correct mount...

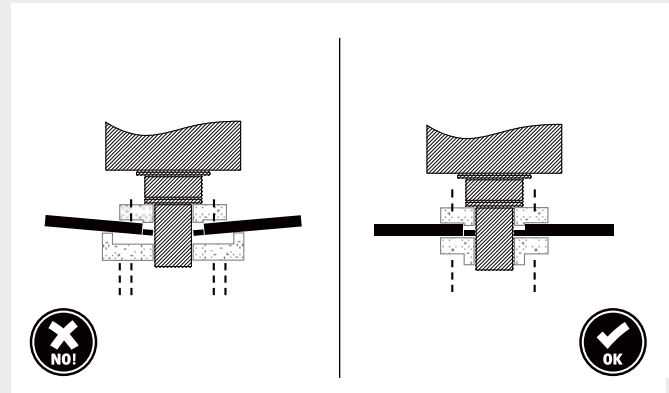
... for better power transmission

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

... and for more safety

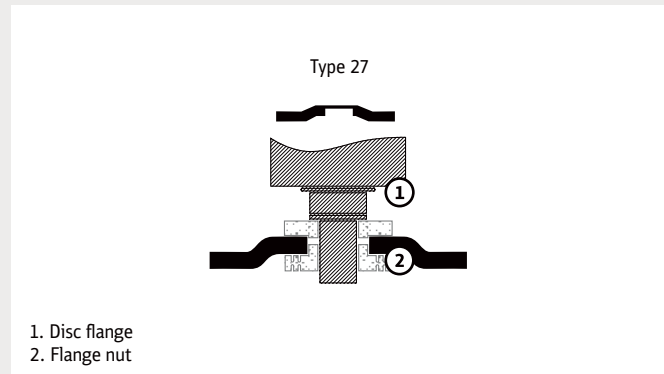
The use of wheel flange FL 76 provides increased lateral stability and user control, specifically when using thin cut-off wheels with a flat form and diameter of 180 mm and 230 mm.

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



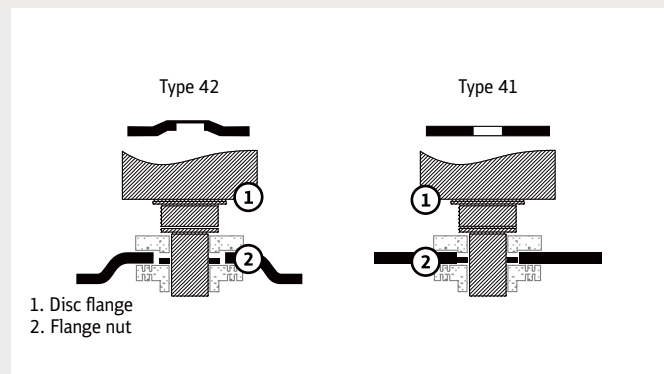
Depressed centre grinding disc

4 - 10 mm thickness



Flat and depressed centre cut-off wheels

0.8 - 4 mm thickness



Recognize and avoid errors

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



Recognize and avoid errors

| Issue | Possible cause | Solution |
|---|---|--|
| 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 cut-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 centered | Check bore diameter and mounting diameter and adjust accordingly |
| | Mounting shaft is worn | Replace machine |
| | Mounting flange is worn, dirty or incorrect | Replace / clean mounting flange / check dimensions |
| | Disc wobbles | Use a new disc |

Grinding discs

Cut-off wheels

The safe use of Klingspor abrasives

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



Wear safety goggles or glasses to protect the eyes



Wear safety gloves to protect hands



Wear dust mask



Observe safety instructions



Use ear muffs



Do not use for wet grinding



Kronenflex® large cut-off wheels

Applications guide

About the product

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

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

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

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

ATTENTION! Stationary cut-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 cut-off wheels for handheld machines are certified for 80 m/s hand held machines.

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

Products for transportable bench chop saws

Cutting-wheels for this product group are suitable for low-power bench chop saws. These products may not be used with large stationary and / or handheld machines.

They are known for their high cutting rate, which ensures fast and cool cutting.

Products for stationary saws / cutters

Stationary machines are best suited for economical and safe cutting of large cross-sections and heavy workpieces.

Products in this segment with their outstanding performance and long service life fulfil the most demanding requirements of stationary cutting. Good aggressiveness ensures low thermal loads when working on large cross sections.



Which cut-off wheel is used with which machine?

Large cut-off wheels for stationary machines and large cut-off wheels for handheld machines are designed differently and their build is optimised for the respective machine type. For safety reasons large cut-off wheels for stationary machines may never be used with hand held machines.

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

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

| Type | Ø [mm] | Bore Ø [mm] | Machines | Safety | |
|---------------------------|--------|------------------|--|----------------------|----------------------------|
| | | | | Max. operating speed | Application type (EN12413) |
| A 24 EXTRA | 300 | 20/22,23 | general handheld machines (petrol, electric, high frequency)) | 80 m/s | freehand grinding |
| C 24 EXTRA | 300 | 20/22,23 | | 80 m/s | |
| A 24 R SUPRA | 250 | 32 | stationary saws / cutters | 100 m/s | >3 KW |
| | 300 | 22,23/25,4/30/32 | | 100 m/s | >3 KW |
| | 350 | 25,4/32 | | 100 m/s | >3 KW |
| | 400 | 25,4/32/40 | | 100 m/s | >3 KW |
| A 24 N SUPRA | 350 | 25,4 | | 100 m/s | >3 KW |
| A 24 R/06 SUPRA | 400 | 25,4 | | 100 m/s | >5 KW |
| A 24 R SPECIAL | 300 | 20/22, 23/25,4 | general handheld machines (petrol, electric, high frequency) | 80 m/s | freehand grinding |
| | 350 | 20/22, 23/25,4 | | 80 m/s | |
| T 24 AX SPECIAL | 300 | 22,23 | general handheld machines (petrol, electric, high frequency, hydraulic) with a clamping device | 100 m/s | stationary guided grinding |
| | 350 | 22,23/25,4 | | 100 m/s | |
| | 400 | 25,4 | | 100 m/s | |
| C 24 RA SPECIAL | 300 | 20 | general handheld machines, joint cutters (petrol, electric, high frequency) | 80 m/s | freehand grinding |
| | 350 | 20/25,4 | | 80 m/s | |
| A 30 N SPECIAL | 300 | 25,4 | transportable bench chop saws, chop saws | 80 m/s | <3 KW |
| | 350 | 25,4 | | 80 m/s | <3 KW |
| | 400 | 25,4 | | 80 m/s | <3 KW |
| C 24 RT SPECIAL | 300 | 20 | general handheld machines (petrol, electric, high frequency) | 80 m/s | freehand grinding |
| C 24 RT/34 SPECIAL | 300 | 20 | | 80 m/s | |

Kronenflex® cut-off wheels

About the product

Kronenflex® cut-off wheels are characterized by their wide range of applications which includes processing steel, stainless steel, all main NF metals, all types of casting, natural and artificial stones and asphalt. Wheels designed specifically for the respective applications are the guarantee of a high cutting performance.

| Material applications | | | | | | | | | | | | | | | | Page | | | | |
|--------------------------------|-------|-----------------|------------|-----------------|-------------------|---------------------------------|----------|--------|--------|-------|------------------|-----------|------------------|---------|--|--|--|---|--------------------------|-----|
| Type | Steel | Hardened Steels | Tool steel | Stainless steel | High-alloy steels | Corrosion and acid proof steels | Aluminum | Bronze | Cooper | Brass | Zinc die-casting | Cast iron | Stone / concrete | Asphalt | Off-hand cutting using portable angle grinders | Stat. cutting using floor or bench chop saws | Off-hand cutting using gas driven saw/cutter 80m/s | Off-hand cutting using gas driven saw/cutter 100m/s | Stationary cutting < 5KW | |
| EDGE SPECIAL | ○ | ○ | ● | ● | ● | ● | | | | | | | | | ● | | | | | 159 |
| A 24 EXTRA | ● | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ● | | | | | 160 |
| A 24 R SUPRA | ● | ● | ● | ○ | ○ | ○ | | | | | ○ | ○ | | | ● | | | | | 161 |
| A 24 N SUPRA INOX | ○ | ● | ○ | ● | ● | ● | ○ | ○ | ○ | ○ | | | | | ● | | | | | 161 |
| A 46 N SUPRA | | | | | | | ● | ● | ● | ● | ○ | | | | ● | | | | | 162 |
| A 60 N SUPRA | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ○ | ○ | | | ● | | | | | 162 |
| A 24 R/36 SPECIAL INOX | ○ | ○ | ● | ● | ● | ● | | | | | | | | | ● | | | | | 163 |
| A 36 TZ SPECIAL INOX | ○ | ○ | ● | ● | ● | ● | | | | | | ○ | | | ● | | | | | 163 |
| A 46 TZ SPECIAL INOX | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ● | | | | ● | | | | | 164 |
| A 46 VZ SPECIAL INOX | ○ | ○ | ● | ● | ● | ● | | | | | ○ | | | | ● | | | | | 164 |
| A 60 TZ SPECIAL INOX | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ● | ○ | | | ● | | | | | 165 |
| A 960 TZ SPECIAL | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | | | | | 165 |
| A 980 TZ SPECIAL | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | | | | | 166 |
| Z 960 TX SPECIAL | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ● | ○ | | | ● | | | | | 166 |
| A 60 S SUPRA | ● | ● | ● | ○ | ○ | ○ | | | | | ○ | ○ | | | ● | | | | | 167 |
| A 24 EXTRA | ● | ○ | ● | ○ | ○ | ○ | | | | | | ○ | | | | | ● | | | 168 |
| C 24 EXTRA | | | | | | | | | | | | ○ | ● | ○ | | | ● | | | 168 |
| A 24 R SPECIAL | ● | ● | ● | ● | ● | ● | | | | | | ○ | | | | | ● | | | 169 |
| C 24 RA SUPRA | | | | | | | | | | | | | ○ | ● | | | ● | | | 169 |
| T 24 AX SPECIAL | ● | ● | | | | | | | | | | | | | | | | ● | | 170 |
| A 24 R SUPRA | ● | ● | ● | ○ | ○ | ○ | | | | | | ○ | | | | | | | ● | 170 |
| A 30 N Fast Cut SPECIAL | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ● | | | | | 171 |
| A 30 N SPECIAL | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ● | | | | | 171 |

● = main application ○ = possible applications



Designed by you – made by Klingspor

The **EDGE**

2 in 1

.045

Industry tested and approved.
Exceeding your expectations!



Delivered in the
Kronenflex® box

You asked for a wheel that features:

- ▶ Free Cutting – “less force on the grinder”
- ▶ Smooth Cutting – “smooth and clean cut”
- ▶ Reduced Vibration – “less wobbling, less kick back”

The EDGE delivers without compromising on:

- ▶ Safety – Look for the symbol of safety:
- ▶ Performance
- ▶ Productivity



www.edge.klingspor.ca

Cut-off wheel INOX

EDGE SPECIAL



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

| Applications: | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |

Advantages: Short cutting times and long service life - Low thermal load - Low burr formation

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x .045 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 317818 |
| 4-1/2 x .045 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 317819 |
| 5 x .045 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 317820 |
| 5 x .045 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 317821 |

Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® cut-off wheels

for hand held machines

Cut-off wheel

A 24 EXTRA



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

| Applications: |
|---------------|
| Metals ● |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/32 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 188461 |
| 4-1/2 x 1/8 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 209014 |
| 5 x 3/32 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 188463 |
| 5 x 1/8 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 209016 |
| 6 x 3/32 x 7/8 | | 80 m/s | 10,200 rpm | 25 | 235374 |
| 9 x 1/8 x 7/8 | | 80 m/s | 6,600 rpm | 25 | 13492 |

Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® cut-off wheels

for hand held machines



Cut-off wheel

A 24 R SUPRA



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

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4 x 3/32 x 5/8 | | 80 m/s | 15,300 rpm | 25 | 13754 |
| 4-1/2 x 3/32 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 13466 |
| 5 x 3/32 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 13738 |
| 7 x 1/8 x 7/8 | | 80 m/s | 8,500 rpm | 25 | 13470 |
| 7 x 9/64 x 7/8 | | 80 m/s | 8,500 rpm | 25 | 13474 |

Cut-off wheel INOX

A 24 N SUPRA



| Quality | SUPRA | Applications: |
|--------------|---------------|-------------------|
| Bond | ■ ■ ■ □ □ □ □ | Stainless steel ● |
| Aggression | ■ ■ ■ ■ □ □ □ | Aluminum ○ |
| Service life | ■ ■ ■ ■ □ □ | |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/32 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 3020 |
| 5 x 3/32 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 2951 |
| 6 x 3/32 x 7/8 | | 80 m/s | 10,200 rpm | 25 | 235377 |

Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® cut-off wheels

for hand held machines

Cut-off wheel

A 46 N SUPRA



Quality SUPRA

Bond ■■■□□□□

Aggression ■■■■■□□

Service life ■■■■■□□

Applications:

Aluminum ●

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/32 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 170707 |
| 5 x 3/32 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 170708 |

Cut-off wheel

A 60 N SUPRA



Quality SUPRA

Bond ■■■□□□□

Aggression ■■■■■□□

Service life ■■■■■□□

Applications:

Aluminum ●

Steel ○

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/64 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 264297 |
| 5 x 3/64 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 264298 |

Please observe: Please see Applications Guide on page 147 - 155, 158.



Cut-off wheel INOX

A 24 R/36 SPECIAL



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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 5 x 3/32 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 2825 |
| 7 x 1/8 x 7/8 | | 80 m/s | 8,500 rpm | 25 | 60537 |

Cutting-off wheel INOX

A 36 TZ SPECIAL



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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| Steel | ○ |

Advantages: Very good cutting performance, even with low grinding pressure

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 5/64 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 136549 |
| 7 x 5/64 x 7/8 | | 80 m/s | 8,500 rpm | 25 | 136551 |

Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® cut-off wheels

for hand held machines

Cut-off wheel INOX

A 46 TZ SPECIAL



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

| Applications: | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ○ |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4 x 1/16 x 5/8 | | 80 m/s | 15,300 rpm | 25 | 194071 |
| 4-1/2 x 1/16 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 187170 |
| 4-1/2 x 1/16 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 235378 |
| 5 x 1/16 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 187171 |
| 5 x 1/16 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 235379 |
| 6 x 1/16 x 7/8 | | 80 m/s | 10,200 rpm | 25 | 241472 |
| 6 x 1/16 x 7/8 | | 80 m/s | 10,200 rpm | 25 | 263882 |
| 7 x 1/16 x 7/8 | | 80 m/s | 8,500 rpm | 25 | 221161 |
| 7 x 1/16 x 7/8 | | 80 m/s | 8,500 rpm | 25 | 312257 |
| 9 x 5/64 x 7/8 | | 80 m/s | 6,600 rpm | 25 | 224084 |

Thin cut-off wheel & grinding disc

A 46 VZ SPECIAL



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

| Applications: | |
|-----------------|---|
| Stainless steel | ● |
| NF metals | ● |
| Steel | ○ |

Advantages: Long service life - Multi-purpose: cutting and light rough grinding with one wheel - High aggressiveness in cutting - No change of wheel necessary

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 5/64 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 298176 |
| 5 x 5/64 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 298177 |

Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® cut-off wheels

for hand held machines



Cut-off wheel

A 60 TZ SPECIAL



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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| NF metals | ● |
| Steel | ○ |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/64 x 7/8 | — | 80 m/s | 13,300 rpm | 25 | 202400 |
| 4-1/2 x 3/64 x 7/8 | — | 80 m/s | 13,300 rpm | 25 | 233741 |
| 5 x 3/64 x 7/8 | — | 80 m/s | 12,200 rpm | 25 | 202401 |
| 5 x 3/64 x 7/8 | — | 80 m/s | 12,200 rpm | 25 | 233742 |

Cut-off wheel INOX

A 960 TZ SPECIAL



NEW

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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| Steel | ● |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/64 x 7/8 | — | 80 m/s | 13,300 rpm | 25 | 322180 |
| 4-1/2 x 3/64 x 7/8 | — | 80 m/s | 13,300 rpm | 25 | 325290 |
| 5 x 3/64 x 7/8 | — | 80 m/s | 12,200 rpm | 25 | 322181 |
| 5 x 3/64 x 7/8 | — | 80 m/s | 12,200 rpm | 25 | 325291 |

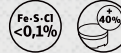
Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® cut-off wheels

for hand held machines

Cut-off wheel INOX

A 980 TZ SPECIAL



NEW

Quality *SPECIAL*

| | |
|--------------|-----------------|
| Bond | ■ ■ ■ ■ ■ ■ ■ □ |
| Aggression | ■ ■ ■ ■ ■ ■ ■ □ |
| Service life | ■ ■ ■ ■ ■ ■ ■ □ |

Applications:

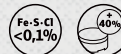
| | |
|-----------------|---|
| Stainless steel | ● |
| Steel | ● |
| NF metals | ● |

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 | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/32 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 322182 |
| 5 x 1/32 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 322183 |

Cut-off wheel INOX

Z 960 TX SPECIAL



NEW

Quality *SPECIAL*

| | |
|--------------|-----------------|
| Bond | ■ ■ ■ ■ ■ ■ ■ ■ |
| Aggression | ■ ■ ■ ■ ■ ■ ■ ■ |
| Service life | ■ ■ ■ ■ ■ ■ ■ ■ |

Applications:

| | |
|-----------------|---|
| Stainless steel | ● |
| Alloys | ● |
| Carbon steel | ● |
| Titanium | ● |

Advantages: Free of iron, sulfur and chlorine - Ideal for tough/hard materials such as titanium and high-alloy steels - Short cutting times and long service life due to self-sharpening zirconia alumina - Low thermal load - Low burr formation - 25 pieces delivered in the Kronenflex® box for long-lasting high performance and moisture protection

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 3/64 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 322184 |
| 4-1/2 x 3/64 x 7/8 | | 80 m/s | 13,300 rpm | 25 | 325292 |
| 5 x 3/64 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 322185 |
| 5 x 3/64 x 7/8 | | 80 m/s | 12,200 rpm | 25 | 325293 |

Please observe: Please see Applications Guide on page 147 - 155, 158.



Small cut-off wheel

A 60 S Supra

SUPRA



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

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 2 x 1/16 x 3/8 | | 80 m/s | 38,195 rpm | 50 | 314878 |
| 3 x 1/16 x 3/8 | | 80 m/s | 25,465 rpm | 50 | 303581 |
| 3 x 1/32 x 1/4 | | 80 m/s | 25,465 rpm | 100 | 303582 |
| 3 x 1/32 x 3/8 | | 80 m/s | 25,465 rpm | 100 | 303583 |
| 4 x 1/32 x 3/8 | | 80 m/s | 19,100 rpm | 100 | 303584 |

Mounting mandrels

SD 60 S



Advantages: Secure clamping of t small diameter cut-off wheels

| Shaft | Max. wheel thick. | Wheel arbor | Thread diameter | Packing unit/pcs. | Article number |
|-------|-------------------|-------------|-----------------|-------------------|----------------|
| 1/4 | 1/4 | 1/4 & 3/8 | M-50P | 1 | 303877 |

Please observe: Please see Applications Guide on page 147 - 155, 158.

Kronenflex® large cut-off wheels

for petrol driven saw / cutter

Cut-off wheel

A 24 EXTRA



Quality *EXTRA*

Bond ■■■■□□□□

Aggression ■■■■□□□□

Service life ■■■■□□□□

Applications:

Metals ●

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 12 x 9/64 x 20mm | — — | 80 m/s | 5,100 rpm | 10 | 288221 |

Cut-off wheel

C 24 EXTRA



Quality *EXTRA*

Bond ■■■■□□□□

Aggression ■■■■□□□□

Service life ■■■■□□□□

Applications:

Stone/Concrete ●

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 12 x 9/64 x 20mm | — — | 80 m/s | 5,100 rpm | 10 | 288223 |

Please observe: Please see Applications Guide on page 147 - 158.

Kronenflex® large cut-off wheels

for petrol driven saw / cutter



Cut-off wheel

A 24 R SPECIAL



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

Advantages: Fast cutting, also of solid material - Optimized combination for use on steel - Can be also used on stainless steel - For use on gas-powered free-hand machines with a cutting speed of 80 m/s

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 12 x 9/64 x 20mm | — — | 80 m/s | 5,100 rpm | 10 | 288245 |
| 14 x 5/32 x 20mm | — — | 80 m/s | 4,400 rpm | 10 | 288248 |
| 14 x 5/32 x 1 | — — | 80 m/s | 4,400 rpm | 10 | 288250 |

Cut-off wheel

C 24 RA SPECIAL



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

Advantages: Special combination for asphalt - No clogging - Sharp, coarse SiC grain - For use on gas-powered free-hand machines with a cutting speed of 80 m/s

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 14 x 5/32 x 20mm | — — | 80 m/s | 4,400 rpm | 10 | 288252 |

Please observe: Please see Applications Guide on page 147 - 158.

Kronenflex® large cut-off wheels

for petrol driven saw / cutter with clamping device / for stationary cutting

Cut-off wheel

T 24 AX SPECIAL



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

| Applications: | |
|---------------|---|
| Steel | ● |

Advantages: For universal use on all rail types - Very fast cutting - Maximum aggressiveness and service life due to hardened special aluminum oxide - For use on gas-powered cut-off machines with a cutting speed of 100 m/s and clamping device

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 14 x 5/32 x 1 | — | 100 m/s | 5,500 rpm | 10 | 314014 |
| 16 x 5/32 x 1 | — | 100 m/s | 4,800 rpm | 10 | 314035 |

Cut-off wheel

A 24 R SUPRA



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

| Applications: | |
|-----------------|---|
| Steel | ● |
| Stainless steel | ○ |
| Castings | ○ |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 16 x 3/16 x 1 | — | 100 m/s | 4,800 rpm | 10 | 292933 |

Please observe: Please see Applications Guide on page 147 - 158.

Kronenflex® large cut-off wheels

for stationary cutting



Cut-off wheel

A 30 N Fast Cut SPECIAL



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

Advantages: For universal use on bench cutting machines - Minimal burr formation

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 12 x 3/32 x 1 | | 80 m/s | 5,100 rpm | 10 | 280176 |
| 14 x 1/8 x 1 | | 80 m/s | 4,400 rpm | 10 | 280178 |

Cut-off wheel

A 30 N SPECIAL



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

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 14 x 1/8 x 1 | | 80 m/s | 4,400 rpm | 10 | 119628 |
| 16 x 9/64 x 1 | | 80 m/s | 3,800 rpm | 10 | 119629 |

Please observe: Please see Applications Guide on page 147 - 158.



Kronenflex® grinding discs



About the product

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

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

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

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

Practical tips

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

In addition, the application plays a very decisive role.

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

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

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

| Type | Material applications | | | | | | | | | | | | | Page |
|-------------------|-----------------------|-----------------|------------|-----------------|-------------------|---------------------------------|----------|--------|--------|-------|------------------|-----------|------------------|------|
| | Steel | Hardened steels | Tool steel | Stainless steel | High alloy steels | Corrosion and acid proof steels | Aluminum | Bronze | Cooper | Brass | Zinc die-casting | Cast iron | Stone / concrete | |
| A 24 EXTRA | ● | ○ | ○ | ○ | ○ | ○ | | | | | ○ | ○ | | 174 |
| A 24 EXTRA T | ● | ○ | ○ | ○ | ○ | ○ | | | | | | ○ | | 174 |
| A 24 R SUPRA | ● | ● | ● | ○ | ○ | ○ | | | | | | ○ | | 175 |
| A 24 N SUPRA INOX | ○ | ● | ○ | ● | ● | ● | | | | | | | | 175 |
| A 46 N SUPRA | | | | | | | ● | ○ | ○ | ○ | | | | 176 |
| A 24 R/01 SPECIAL | ● | ● | ● | ○ | ○ | ○ | | | | | | | | 176 |
| A 24 R/36 SPECIAL | ○ | ○ | ○ | ● | ● | ● | | | | | | | | 177 |
| A 24 TX SPECIAL | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | ● | | 177 |
| A 24 TZ SPECIAL | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | ● | | 178 |
| A 624 T SUPRA | ● | ● | ● | ● | ○ | ○ | | | | | ○ | ● | | 178 |
| A 30 M SPECIAL | ● | | | ● | ○ | | | | | | | | | 179 |
| TS 30 AP SPECIAL | ● | ● | ● | ● | ● | | | | | | | | | 179 |

● = main application ○ = possible applications



Kronenflex® grinding discs

for hand held machines

Grinding disc

A 24 EXTRA



Quality *EXTRA*

Bond ■■■■■□□□

Aggression ■■■■□□□□

Service life ■■■■□□□□

Applications:

Metals ●

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4 x 1/4 x 5/8 | | 80 m/s | 15,300 rpm | 10 | 189004 |
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 188465 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 188466 |
| 6 x 1/4 x 7/8 | | 80 m/s | 10,200 rpm | 10 | 235371 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 13444 |
| 9 x 1/4 x 7/8 | | 80 m/s | 6,600 rpm | 10 | 13447 |

Grinding disc

A 24 EXTRA T



Quality *EXTRA*

Bond ■■■■■□□□

Aggression ■■■□□□□□

Service life ■■■■□□□□

Applications:

Metals ●

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 13794 |

Please observe: Please see Applications Guide on page 147 - 155, 173.



Grinding disc

A 24 R
SUPRA



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

| | |
|----------------------|---|
| Applications: | |
| Steel | ● |
| Stainless steel | ○ |
| Castings | ○ |

Advantages: With optimized recipe for use on steel - Also suitable for use on stainless steel - Large product range

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 13401 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 13402 |
| 6 x 1/4 x 7/8 | | 80 m/s | 10,200 rpm | 10 | 13403 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 13413 |
| 9 x 1/4 x 7/8 | | 80 m/s | 6,600 rpm | 10 | 13433 |

Grinding disc INOX

A 24 N
SUPRA



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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| Aluminum | ○ |

Advantages: High removal rate on stainless steel - Optimal ratio between removal and wear

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 2923 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 2922 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 13412 |

Please observe: Please see Applications Guide on page 147 - 155, 173.

Kronenflex® grinding discs

for hand held machines

Grinding disc

A 46 N SUPRA



Quality *SUPRA*

Bond ■■■■□□□□

Aggression ■■■■□□□□

Service life ■■■■□□□□

Applications:

Aluminum ●

Advantages: No clogging when used on non-ferrous metals - Optimal ratio between removal and wear

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 6622 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 2226 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 13410 |

Grinding disc

A 24 R/01 SPECIAL



Quality *SPECIAL*

Bond ■■■■□□□□

Aggression ■■■■□□□□

Service life ■■■■□□□□

Applications:

Steel ●

Stainless steel ○

Advantages: Special disc for pipeline and tank construction - Suitable for root seams - For repair of weld seams

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 5 x 3/16 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 130825 |
| 6 x 3/16 x 7/8 | | 80 m/s | 10,200 rpm | 10 | 235383 |
| 7 x 3/16 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 13756 |

Please observe: Please see Applications Guide on page 147 - 155, 173.



Grinding disc

A 24 R/36 SPECIAL



Fe-S-Cl
<0,1%

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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |

Advantages: Special wheel for the nuclear industry - Free of iron, sulfur and chlorine - Optimal ratio between removal and wear

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 2488 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 2830 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 2463 |

Grinding disc

A 24 TX SPECIAL



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

| | |
|----------------------|---|
| Applications: | |
| Castings | ● |
| Stainless steel | ○ |
| Steel | ○ |

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

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 231251 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 231252 |

Please observe: Please see Applications Guide on page 147 - 155, 173.

Kronenflex® grinding discs

for hand held machines

Grinding disc

A 24 TZ SPECIAL



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

Advantages: High-performance grinding disc for casting and steel processing

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|-----------|-------------------|----------------|
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 164801 |
| 9 x 1/4 x 7/8 | | 80 m/s | 6,600 rpm | 10 | 163501 |

Grinding disc

A 624 T SUPRA



NEW

| Quality | 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 | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 325215 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 325216 |
| 6 x 1/4 x 7/8 | | 80 m/s | 10,200 rpm | 10 | 327077 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 325217 |
| 9 x 1/4 x 7/8 | | 80 m/s | 6,600 rpm | 10 | 325218 |

Please observe: Please see Applications Guide on page 147 - 155, 173.



Grinding disc

A 30 M SPECIAL



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

| | |
|----------------------|---|
| Applications: | |
| Steel | ● |
| Stainless steel | ○ |

Advantages: 2 + 1 High performance grinding disc for working on stainless steel and steel processing

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/4 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 310899 |
| 5 x 1/4 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 310900 |
| 6 x 1/4 x 7/8 | | 80 m/s | 10,200 rpm | 10 | 310901 |
| 7 x 1/4 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 310902 |

Cut-off wheel & grinding disc

TS 30 AP SPECIAL



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

| | |
|----------------------|---|
| Applications: | |
| Stainless steel | ● |
| Steel | ○ |

Advantages: Long service life - Multi-purpose: cutting and light rough grinding with one tool - High aggressiveness in cutting - No change of wheel necessary

| Diameter x Width x Bore | Form | Max. operating speed | Max. RPM | Packing unit/pcs. | Article number |
|-------------------------|------|----------------------|------------|-------------------|----------------|
| 4-1/2 x 1/8 x 7/8 | | 80 m/s | 13,300 rpm | 10 | 324378 |
| 5 x 1/8 x 7/8 | | 80 m/s | 12,200 rpm | 10 | 314459 |
| 6 x 1/8 x 7/8 | | 80 m/s | 10,200 rpm | 10 | 314460 |
| 7 x 1/8 x 7/8 | | 80 m/s | 8,500 rpm | 10 | 324379 |

Please observe: Please see Applications Guide on page 147 - 155, 173.



Flexible abrasives



About the product

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.

| Description | Type | Material applications | | | | | | | | | | | Page | |
|-------------|----------------------|-----------------------|-------|-----------------|-----------|------|-----------------|---------------|---------|---------|-------|---------|------|-----------|
| | | Iron | Steel | Stainless steel | NF-metals | Wood | Paint / Varnish | Glass / Stone | Plastic | Leather | Paper | Ceramic | | Porcelain |
| Sand Flex | <i>SFK 655 block</i> | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 182 |

● = main application ○ = possible application



Flexible abrasives

Hand block

Hand block

SFK 655



Properties

Bonding agent Plastic

Grain SiC

Applications:

Paint/Varnish ●

Glass/Stone ●

Wood ●

Plastic ●

Leather ●

Metals ●

Advantages: Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down

Available grits:

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

| Width x Length x Height | Grit | Packing unit/pcs. | Article number |
|-------------------------|------|-------------------|----------------|
| 3 x 2 x 3/4 | 60 | 1 | 13801 |
| 3 x 2 x 3/4 | 120 | 1 | 13802 |
| 3 x 2 x 3/4 | 240 | 1 | 13803 |

Hand block

SFK 655



Properties

Bonding agent Plastic

Grain SiC

Applications:

Paint/Varnish ●

Glass/Stone ●

Wood ●

Plastic ●

Leather ●

Metals ●

Advantages: Universal hand block for cleaning and finishing - Can be used on many materials - Cleaning performance is significantly increased by use of additives - Soft abrasion due to elastic structure - Can be used until completely worn down

Available grits:

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

| Width x Length x Height | Grit | Packing unit/pcs. | Article number |
|-------------------------|--------------|-------------------|----------------|
| 3 x 2 x 3/4 | 60, 120, 240 | 6 | 72129 |

Please observe: Please see Applications Guide on page 181.

Notes



A large grid of small dots for taking notes.

Flexible
abrasives



Safety recommendations

Applications guide

General Principles of Safety

Abrasive products improperly used can be very dangerous.

- ▶ Always follow the instructions provided by the abrasive product and machine supplier.
- ▶ Ensure that the abrasive product is suitable for its intended use. Examine all abrasive products for damage or defects before mounting.
- ▶ Follow the correct procedures for handling and storage of abrasive products.

Be aware of the hazards likely during the use of abrasive products and observe the

recommended precautions to be taken:

- ▶ Bodily contact with the abrasive product at operating speed.
- ▶ Injury resulting from product breakage during use.
- ▶ Grinding debris, sparks, fumes and dust generated by the grinding process.
- ▶ Noise
- ▶ Vibration

Use only abrasive products conforming to the highest standards of safety. These products will bear the relevant EN standard number and/or the inscription "oSa":

- ▶ EN 12413 for Bonded Abrasives.
- ▶ EN 13236 for Superabrasives.
- ▶ EN 13743 for Specific Coated Abrasives (vulcanised fibre discs, flap wheels, flap discs and spindle-mounted flap wheels).

Never use a machine that is not in good working order or one with defective parts. Employers should carry out a risk assessment on all individual abrasive processes to determine the appropriate protective measures necessary. They should ensure that their employees are suitably trained to carry out their duties.

More detailed information on the safe use of abrasive products, comprehensive Safety Codes are available from FEPA or your National Trade Association.

- ▶ FEPA Safety Code for Bonded Abrasives and Precision Superabrasives.
- ▶ FEPA Safety Code for Superabrasives for Stone and Construction.
- ▶ FEPA Safety Code for Coated Abrasives.

Precautions against likely hazards

Bodily contact with the abrasive product

- ▶ Always take great care and attention when using abrasive products. Tie back long hair and do not wear loose clothing, ties and jewellery.
- ▶ Prevent accidental start up of the machine before mounting or changing an abrasive product. Isolate machines from their power source where necessary.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted before starting the machine.
- ▶ Always use gloves and suitable clothing where the workpiece or machine is handheld. For gloves, a minimum protection level of EN 388 Category 2 is recommended.
- ▶ After switching off the machine, ensure the product has come to rest before leaving the machine unattended.

Injury caused by product breakage

- ▶ Always handle abrasives with great care, they are easily damaged. Examine all products for defects or damage before use.
- ▶ Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage and distortion.
- ▶ Coated abrasives should be stored at 18-22° C, 45-65% relative humidity.
- ▶ Abrasive belts should be hung on a rod or peg not less than 50mm diameter.
- ▶ Never use an abrasive product beyond its expiry date where marked. Observe the recommended shelf life for the following specific products; Resinoid and Shellac products 3 years, Rubber products 5 years, Vitriified products 10 years.
- ▶ Check abrasive product or package for any warnings or other safety information.
- ▶ Ensure that the correct abrasive product is selected. Never use a product if it cannot be properly identified.
- ▶ Follow the instructions provided by the abrasive product or machine supplier when mounting abrasive products. Observe any mounting indications marked on the product such as direction of run or mounting position.
- ▶ Never force the abrasive product onto the mounting fixture or modify it to fit.
- ▶ Never exceed the maximum operating speed where specified.
- ▶ Check that the correct mounting devices are used and that they are undistorted, clean and free from burrs.
- ▶ Use mounting blotters where supplied.
- ▶ Do not tighten the mounting device excessively.
- ▶ After mounting or re-mounting an abrasive product, conduct a trial run at operating speed with the guard in place for at least 30 seconds, standing clear of the machine before use.
- ▶ Never remove guards from machines where fitted and ensure they are in good condition and properly adjusted.
- ▶ Ensure that the workpiece is secure and properly supported. Ensure that work rests are properly adjusted and secure.
- ▶ Never start the machine with the workpiece in contact with the abrasive product.
- ▶ Never apply excessive force or shock to the abrasive product or let it overheat.
- ▶ Do not grind on the part of the product that is not designed for the operation
- ▶ Avoid grinding with the edge of abrasive belts, use the centre of the belt if possible.
- ▶ Avoid clogging and uneven wear to ensure that the abrasive product is working efficiently. Dress frequently where appropriate.
- ▶ Let the abrasive product stop naturally, not by applying pressure to its surface.
- ▶ Turn off and spin out excess coolant before stopping the machine.
- ▶ Do not leave abrasive belts under tension when not in use.



Not permitted for hand-held or manually-guided grinding



Not permitted for wet grinding



Not permitted for face grinding



Do not use if damaged



Only permitted with a back-up pad



Wear hearing protection



Read the instructions



Wear gloves



Wear a respirator



Wear eye protection



Only permitted for wet cutting



Only permitted for use on totally enclosed machines

Safety recommendations

Applications guide



Grinding debris – sparks, dust and fumes

- ▶ Exposure to dust generated from workpiece and/or abrasive materials can result in lung damage and/or other physical injury.
- ▶ All dry grinding processes should be provided with adequate extraction facilities.
- ▶ Do not use abrasive products near flammable materials.
- ▶ The use of respirators complying with EN149 is recommended for dry grinding processes even if extraction systems are provided.
- ▶ Guards where provided should be adjusted to deflect sparks and debris away from the operator.
- ▶ Take additional measures to protect people working nearby.
- ▶ Eye protection is recommended for all machine applications for abrasives. For handheld machines or workpiece, goggles or full face shields are recommended.
- ▶ Eye protection with a minimum protection of EN166 Grade B is recommended.
- ▶ Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive debris and dust.

Noise

- ▶ Ear protection complying with EN352 is recommended for all applications where the workpiece or machine is handheld, irrespective of the noise level.
- ▶ Ensure that the correct abrasive product is selected. An unsuitable product can produce excessive noise.

Vibration

- ▶ Processes where the workpiece or machine is handheld can cause vibration injury.
- ▶ Action needs to be taken if tingling, pins and needles or numbness is experienced after 10 minutes continuous use of the abrasive product.
- ▶ The effects of vibration are more pronounced in cold conditions so keep the hands warm and exercise hands and fingers regularly. Use modern equipment with low vibration levels.
- ▶ Maintain all equipment in good condition and stop the machine and have it checked if excessive vibration occurs.
- ▶ Use good quality abrasive products and keep them in good condition during their life.
- ▶ Maintain mounting flanges and backing pads in good condition and replace if worn or distorted.
- ▶ Do not grip the workpiece or machine too tightly and do not exert excessive pressure on the abrasive product.
- ▶ Avoid continuous use of the abrasive product.
- ▶ Use the correct product. An unsuitable product can produce excessive vibration.
- ▶ Don't ignore the physical symptoms of vibration – seek medical advice.

Disposal of abrasives

- ▶ Used or defective abrasives should be disposed in accordance with local or national regulations.
- ▶ Further information can be obtained from material safety data sheets provided by the supplier.
- ▶ Be aware that the abrasive product may be contaminated with material from the workpiece or process after use.
- ▶ Disposed abrasive products should be damaged to prevent them from being taken from waste skips and re-used.

SAFETY RECOMMENDATIONS FOR THE USE OF ABRASIVE BELTS:

1. General safety recommendations

- ▶ Ensure that quality and dimensions of the belt are correct for the machine and type of application. Refer to the machine manufacturer's instructions.
- ▶ Do not use near easily flammable material.
- ▶ Prevent long hair, loose clothes or jewellery from getting into contact with the machine and being pulled in. Take precautionary measures.
- ▶ Ensure that people nearby are protected from chips, sparks, debris, fumes, dust or noise. Belt grinding operations may produce high concentrations of dust, gas or mist, which can represent a health hazard as well as a risk of explosion.
- ▶ Do not open the guard or put down the machine until the belt has come to a complete standstill.

2. Specific safety recommendations

- ▶ Abrasive belts can tear. Please take precautions against risks by tearing of belt (e.g. protective clothing and devices, safety equipment of machinery).
- ▶ Abrasive machines, which do not have a completely closed guard require comprehensive protective equipment of the user (e.g. protective gloves, leather aprons, face shield, dust mask).
- ▶ Check the locking mechanism of the machine cover. Do not remove guards. Any contact with running belts can result in serious injuries.
- ▶ When mounting, refer to direction of running advice, if necessary.
- ▶ Make sure the workpiece is held correctly or is mechanically secured.
- ▶ Start the machine and wait until belt has reached its full operational speed before grinding.
- ▶ Belts should only be used dry unless specified as suitable for wet grinding (please contact the manufacturer if in any doubt).
- ▶ Use the centre of the belt, if possible, and grind as flat as possible. Avoid grinding with the edge of the belt as well as strong punctual loading e.g. through sharp or sharp-edged workpieces.
- ▶ Do not exert excessive pressure and prevent the belt from overheating.
- ▶ Check the belts in use periodically for wear and tear or damage (e.g. cracks at edges, fracturing or strong wear and tear in the joint) and replace the belts if necessary.

Due to the extraordinary variety of applications and machine constructions, these recommendations are limited to basic aspects of safety. Further safety regulations and instructions can be taken from the respective legislation, decrees and technical standards.



General Terms and Conditions of Trade

("Terms of Sale")

1. General Information – Application of Terms of Sale

- (1) Our Terms of Sale are the only terms of sale which apply to all transactions. We do not acknowledge additional or revised terms or conditions of sale, unless we previously have agreed to such additional or revised terms in writing.
- (2) All agreements made between us and a purchaser for the sale of goods are deemed to include these Terms of Sale.
- (3) Our terms of sale also shall apply to all further sale transactions with a purchaser even if such transactions are not in writing.

2. Bid – Bid Materials

- (1) If an order is submitted in the form of a bid, we shall have fourteen (14) days after receipt of the bid to either accept or reject the order.
- (2) We retain all intellectual property ownership rights including copyright applicable to all illustrations, drawings, estimates and all other related documentation associated with a bid, including all documents classified as "confidential". Before disclosing any of our intellectual property to third parties, the purchaser shall obtain our express written permission to such disclosure.

3. Prices – Payment Conditions, Packaging, Shipping

- (1) Unless indicated otherwise in the order confirmation, our prices are "ex works prices", including packaging. If custom packaging is required, the customer is responsible for the additional costs of such custom packaging in addition to the ex works prices.
- (2) We reserve the right to change our prices as a consequence of increases or decreases in our costs after the date of the sale of goods contract, in particular as a consequence of changes in wages or material costs.
- (3) We package all goods with our choice of packaging materials suitable for the means of transportation.
- (4) We select the means of transportation, unless other agreed in writing with the purchaser. Freight will be prepaid with our choice of carrier for orders of \$500 or more after all applicable discounts. The purchaser bears all costs for special shipping arrangements, including express or next day shipping arrangements.
- (5) Upon the purchaser's request, we will cover the shipment of goods with a transportation insurance policy provided that the purchaser bears all costs for such insurance policy.
- (6) Unless specified in the sale of goods order the net purchase price (without deductions) is due within thirty (30) days from the invoice date.
- (7) No discounts shall apply unless expressly agreed in writing.
- (8) We confirm our rights as an unpaid seller under Part IV of the Sale of Goods Act (Ontario).

4. Passing of Risk

All risk associated with the goods is passed to and assumed by the purchaser upon the transfer of the goods to the forwarding agent or carrier at our premises, and in any event, upon leaving our premises, unless other conditions have been expressly agreed upon in writing.

5. Delivery Time

- (1) The confirmation of the delivery time of the goods is dependent upon full disclosure and clarification by the purchaser of all technical questions affecting the goods and the delivery of the goods to the purchaser.
- (2) In addition, compliance with our delivery obligation is conditional upon the timely and proper fulfillment of the purchaser's obligations, failing which we shall have no obligation to deliver the goods.
- (3) If the purchaser delays its acceptance of the goods, or knowingly is in default of any of the purchaser's obligations, we shall have the right to claim damages, including additional expenses resulting from such default and we reserve the right to claim any other damages resulting from such default by the purchaser.
- (4) If the purchaser is in default under paragraph (3) above, the risk of loss or the deterioration of the purchased goods passes to the purchaser immediately upon such default in acceptance or payment.
- (5) Delivery and shipping dates reflect our estimate based on production requirements.
- (6) We shall be liable if a delay and delivery arises from an intentional or grossly negligent breach by us for which we are liable. If the delay and delivery does not arise from an intentional default by us, the liability for damages is limited to special damages.
- (7) We also shall be liable if the delay in delivery arises from default of a major contractual obligation by us, provided that, such liability for damages is limited to special damages.

6. Liability for defects

- (1) We give no implied warranty or condition as to the quality or fitness for any particular purpose of goods supplied to the purchaser and there are no representations or warranties regarding the goods supplied to the purchaser except as expressly set out in these Terms of Sale.
- (2) The purchaser shall carry out appropriate test procedures with random samplings, before using the delivered goods for the intended purpose. Slight discrepancies in the colour of our products are not considered a defect.
- (3) If a defect in the purchased goods is detected we have a choice of correcting the defect or substituting new replacement goods to the purchaser.

General Terms and Conditions of Trade

("Terms of Sale")



- (4) If, after the substitution or correction of defective goods, the goods are still defective, the purchaser shall have the option of either withdrawing from the contract or claiming a reduction in the purchase price.
- (5) If the purchaser is entitled to damages instead of repeat performance, our liability for damages is limited to special damages.
- (6) In the case of coated abrasives delivered on large rolls (jumbo rolls), we will compensate those portions with discrepancies recognized by us by the addition of at least an equivalent amount of material which is free of defects.

7. Return Goods Policy

- (1) Merchandise returns are subject to the following conditions:
- (2) The returned product(s) must be authorized by Klingspor and accompanied by a claim number
- (3) The product(s) must be standard stock items
- (4) The product(s) must have been purchased within the previous 12 months
- (5) The product(s) must be in their original package(s) and in re-salable condition
- (6) The product(s) must be returned via prepaid delivery
- (7) A restocking charge of 15% will be applied to all returns and subsequently billed to the customer

8. Limited Warranty

- (1) We warrant that the goods delivered to a purchaser are of the type specified and conform to our specifications, or to Buyer's specifications if agreed to in writing by us, and shall be free from defects in material and workmanship when compared to the applicable specifications. We shall not be responsible or liable for any consequential damages or costs of any nature, including but not limited to, freight, labour costs, lost profits, economic loss of any kind, downtime, personal injury or death, or any other loss or damage to person(s) or property and shall be liable only to the extent of the purchase price of the goods. This limited warranty does not cover goods damaged after being shipped by us to the purchaser or any claim which is not directly due to defects in original material or workmanship of the goods. This limited warranty does not apply to goods altered or repaired by any party other than us.
- (2) This limited warranty is the only warranty given by us and is in lieu of all other warranties either expressed or implied by statute, at common law, or otherwise.

9. Jurisdiction or Applicable Law

This Agreement shall be governed by and interpreted in accordance with the laws of the Province of Ontario and the laws of Canada and the parties shall submit to the jurisdiction of the Courts of the Province of Ontario. Any provision hereof prohibited by law shall be ineffective to the extent of such prohibition, without invalidating the remaining provisions hereof.

KLINGSPOR Inc.

We are not liable for misprints.



Notes



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Notes



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Safety

Klingspor products are marked with the oSa label



What does oSa mean?

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

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

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

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

As a part of their in-house quality management system, the manufacturers see to it that the exact provisions are kept to and that only safe, high quality abrasive products are produced and marketed. The fact that the oSa – Organization for the Safety of Abrasives issues the worldwide protected oSa trademark to members is confirmation of this internal commitment. The oSa label does not mean that the Organization for the Safety of Abrasives or its institutions assume any liability of the designated products.





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Applifast.

We are committed.



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