

2024

FACTORY SALES
REPRESENTATIVE

Full Line Product Catalog



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Klingspor Abrasives Line Card

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Terms & Conditions

TERMS: Minimum \$100.00 order. Net 30 days from date of invoice. Invoices not paid within terms will be considered delinquent, and any orders will be placed on hold until delinquent invoices are paid.

DELIVERY: Single order shipments to one destination totaling \$300.00 or more will be shipped F.O.B. destination via carrier of our choice, continental U.S. only. Orders under \$300.00 will be shipped F.O.B. KLINGSPOR Distribution Point, continental U.S. only.

ALASKA & HAWAII SHIPMENTS: Shipments to Alaska or Hawaii will be prepaid only to the point of embarkation within the continental U.S., provided above conditions are met. NOTE: KLINGSPOR ABRASIVES cannot be held accountable for delays once an order is released to a carrier.

QUANTITY VARIANCE: Because of the nature of the manufacturing process, a ±10% variance will be allowed by the buyer to the manufacturer.

PRICING: All prices in this catalog are subject to correction and change without notice. All computer invoice extensions have been calculated utilizing two decimal places; therefore, there is the possibility that variations, however minor, may occur due to rounding, and shall be allowed by the buyer.

RETURN POLICY: Returns of merchandise will be accepted only with prior return authorization. Custom size items cannot be returned. All products authorized for return must be properly packaged and returned freight prepaid and in original packaging in re-sellable condition. We are not responsible for items ordered in error or overstocked; if any exceptions are made, a 20% restocking fee will apply. Material non-refundable after one year.

PRODUCT WARRANTY: KLINGSPOR ABRASIVES, Inc. warrants all products to be free from defects for up to one year. If any KLINGSPOR products are found to be defective, buyer's sole and exclusive remedy will be the replacement of any such products or, at KLINGSPOR's option, the refund of buyer's purchase price for said products. In any event, KLINGSPOR shall not be liable for any consequential damages.

What kinds of information do we collect and store?

- We collect information you or your company provide in our credit and customer profiles. Information such as financial, responsible parties, phone, address, credit card information (encrypted and only stored at the credit card processor) are only obtained from the customer submissions.
- Company's purchase history and items purchased.

How do we use the information collected?

- Purchase information is used for purposes of internal analysis and allowing customers to reorder from history on our website(s).
- Financial information provided by companies is used to determine credit worthiness and contact information for marketing and transactional purposes.
- We do not sell any customer information.

How can I manage or delete information about me?

- Right to Know: Contact us at CCPA@klingspor.com
- Right to Request Deletion: Contact us at CCPA@klingspor.com

Non-Discrimination: We will not discriminate against any user for exercising their rights.



This is KLINGSPOR



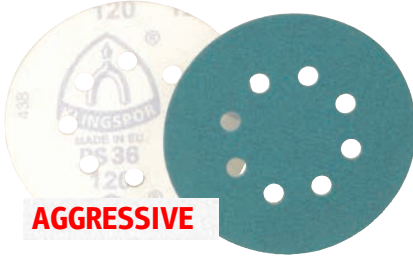
40 Years of KLINGSPOR



PS 36 ALUMINA ZIRCONIA STEARATE PAPER

This C or D weight paper product from KLINGSPOR combines the effectiveness of Alumina Zirconia grains and a stearate coating with the leveling properties of paper. Excellent results can be achieved when sanding wood, metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product. [Semi-Open Coat](#)

KLING-ON® DISCS



AGGRESSIVE

Diameter	Grit	Price Per Box
5"	60	\$80.09
100/Box	40	\$90.14
50/Box	36	\$53.54
6"	60	\$103.44
100/Box	40	\$121.48
50/Box	36	\$71.15

PSA DISCS

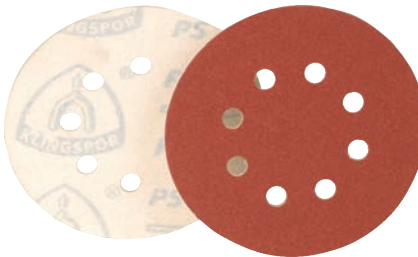


Diameter	Grit	Price Per Box
5"	60	\$80.09
100/Box	40	\$90.14
50/Box	36	\$53.54
6"	60	\$103.44
100/Box	40	\$121.48
50/Box	36	\$71.15

PS 29 ALUMINUM OXIDE HEAVY PAPER WITH ACT

Aluminum Oxide open coat, resin-resin bond, F-weight paper, antistatic material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood. [Open Coat](#)

KLING-ON® DISCS



Diameter	Grit	Price Per Box
4"	60	\$87.27
50/Box	40	\$96.59
5"	60	\$87.27
50/Box	40	\$96.59
6"	60	\$128.86
50/Box	40	\$145.01

PSA DISCS



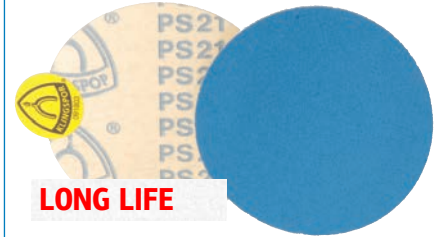
Diameter	Grit	Price Per Box
5"	60	\$128.82
100/Box	40	\$144.98
6"	60	\$190.57
100/Box	40	\$214.74
7"	60	\$276.42
100/Box	40	\$311.36
8"	60	\$174.46
50/Box	40	\$191.96

Call for availability of other sizes.

PS 21 ALUMINA ZIRCONIA F WEIGHT PAPER CLOSED COAT

Our longest lasting paper PSA disc. Offers long life in wood or metal applications.

PSA DISCS



LONG LIFE

Diameter	Grit	Price Per Box
5"	100/Box	60 \$154.60
50/Box	40	\$87.00
6"	100/Box	60 \$228.68
50/Box	40	\$128.82
7"	100/Box	60 \$331.73
50/Box	40	\$186.84
8"	60	\$209.37
50/Box	40	\$230.33

PLAIN



For intermediate sizes use next higher list price. Call for availability of other sizes.

Diameter	Grit	Price Per Box
4"	100+	\$40.42
50/Box	80	\$43.43
	60	\$46.44
	40	\$56.91
5"	100+	\$55.44
50/Box	80	\$61.40
	60	\$67.42
	40	\$82.34
6"	100+	\$76.42
50/Box	80	\$82.34
	60	\$91.35
	40	\$113.83
7"	100+	\$113.83
50/Box	80	\$122.75
	60	\$136.29
	40	\$166.22
8"	100+	\$139.25
50/Box	80	\$149.74
	60	\$167.75
	40	\$206.66

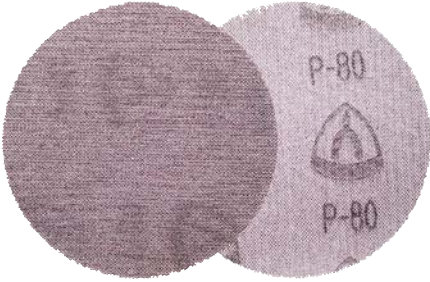
5% UPCHARGE ON DISCS WITH MORE THAN 10 HOLES



KLINGNET

Produced from a strong mesh net material and aluminum oxide grains, KlingNet is a premier product for use in marine, automotive, composites, and wood markets. KlingNet offers enhanced dust collection capabilities for a cleaner, safer work environment.

BEST DUST EXTRACTION



Diameter	Grit	Price Per Box
5" 50/Box	120-800	\$61.73
6" 50/Box	120-800	\$73.02

KLINGNET does not require a hole pattern as it is a net abrasive and is already perfect for a dust extraction scenario.



KlingNet

Black Hook Material



Quickly and easily convert your old PSA disc sanders to hook & loop sanders with this "hook" material. Simply determine what size and hole configuration you'll need and affix these pre-cut "hook" discs to your PSA backing pad. Comes in packages of 5.

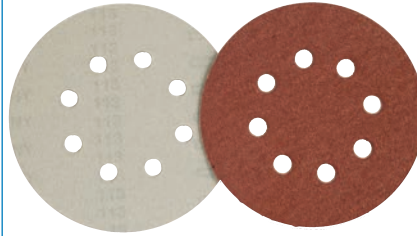
Disc Size	Price Per Pack of 5
5" x No Hole	\$22.89
6" x No Hole	\$26.16
5" x 5 Hole	\$22.89
5" x 8 Hole	\$22.89
6" x 16 Hole	\$22.89
6" x 6 Hole	\$26.16
6" x 8 Hole	\$26.16

SEARCH BLACKHOOK FOR ITEM #'S

CS 310 X ALUMINUM OXIDE CLOTH

Aluminum Oxide, X cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

KLING-ON® DISCS

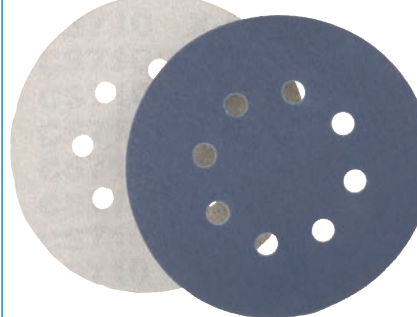


Diameter	Grit	Price Per Box
5"	60	\$146.71
50/Box	40	\$167.28
	36	\$177.46
	24	\$200.71
6"	60	\$203.32
50/Box	40	\$234.28
	36	\$249.59
	24	\$283.02

CS 710 XF HEAT TREATED ALUMINUM OXIDE CLOTH

Heat-treated Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable for polishing all ferrous metals and sanding on hardwoods.

KLING-ON® DISCS



Diameter	Grit	Price Per Box
5"	100	\$130.57
50/Box	80	\$141.39
6"	100	\$182.63
50/Box	80	\$195.94

CLOTH PSA DISCS

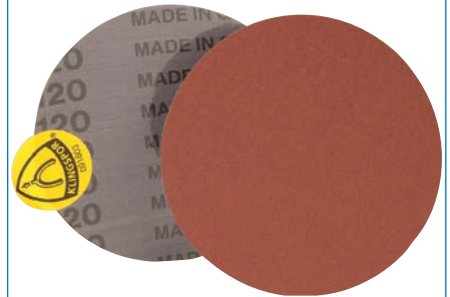
CS 310: Aluminum Oxide, X cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 311 YX ACT: Aluminum Oxide, anti-static, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a problem and sanding of soft woods or mix of hard and soft woods.

CS 411 X: Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

- * 24-36 Grit - Add 47% to price shown
- * 40-60 Grit - Add 39% to price shown
- * 80 Grit & Finer - Add 33% to price shown

PSA DISCS



For intermediate sizes use next higher list price. Call for availability of other sizes.

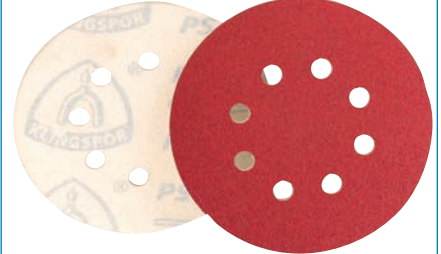
Diameter	Grit	Price Per Box
5"	60	\$80.92
50/Box	50	\$84.94
	40	\$88.94
	36	\$93.91
	24	\$105.91
6"	60	\$118.89
50/Box	50	\$125.90
	40	\$132.89
	36	\$140.89
	24	\$158.88
8"	60	\$215.82
50/Box	50	\$226.86
	40	\$237.84
	36	\$249.78
	24	\$281.76
10"	60	\$171.35
25/Box	50	\$181.84
	40	\$192.85
	36	\$201.82
	24	\$229.30
12"	60	\$100.53
10/Box	50	\$106.52
	40	\$112.92
	36	\$119.74
	24	\$134.29

5% UPCHARGE ON DISCS WITH MORE THAN 10 HOLES



PS 61F CERAMIC ALUMINUM OXIDE HEAVY PAPER

KLING-ON® DISCS

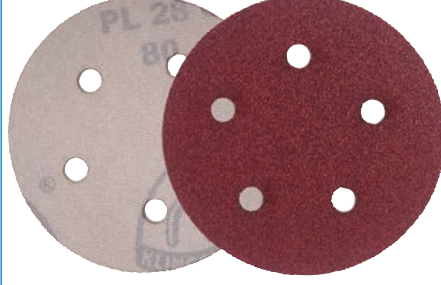


Ceramic Aluminum Oxide, F weight paper backing. Ceramic grains on a durable paper backing create a perfect combination of longevity and economy. Excellent intermediate and finishing properties for steel and stainless steel.

Diameter	Grit	Price Per Box	
4"	120+	\$98.78	
	50/Box	80	\$103.38
	60	\$106.83	
5"	120+	\$101.66	
	50/Box	80	\$106.83
	60	\$109.69	
6"	120+	\$143.59	
	50/Box	80	\$153.92
	60	\$162.53	

PL 28 ALUMINUM OXIDE HEAVY PAPER

KLING-ON® DISCS



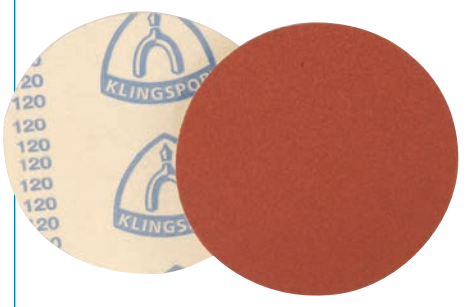
ECONOMY PRODUCT - KLING-ON ONLY

Aluminum Oxide closed coat, resin-resin bond, C-weight paper. Works well on wood, metal and solid surface materials.

Diameter	Grit	Price Per Box
5"	80	\$25.40
	50/Box	60
6"	80	\$33.24
	50/Box	60



HEAVYWEIGHT PLAIN PAPER DISCS - PLAIN



PS 20: Primarily for grinding and polishing on metals, but also useful on leather. Closed coat, Aluminum Oxide, resin-resin bonded to heavy F-weight paper.

PS 22 ACT: For grinding and polishing metals and for finish sanding on hardwoods and leather. F-weight paper backing, Aluminum Oxide closed coat resin-resin bond.

PS 24 ACT: Fully resin-bonded Silicon Carbide material, F-weight paper backing. Works well for non-ferrous metal applications, sanding between coats of paint, lacquer, varnish, etc. in woodworking applications, or for finish sanding of particle board or MDF. *** Add 10% to price shown**

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight paper, antistatic material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood.

PS 61: Ceramic Aluminum Oxide, F weight paper backing. Ceramic grains on a durable paper backing create a perfect combination of longevity and economy. Excellent intermediate and finishing properties for steel and stainless steel. *** Add 40% to price shown**

Diameter	Grit	Price Per Box	
4"	100+	\$33.64	
	50/Box	80	\$36.21
	60	\$38.68	
	50	\$42.44	
	40	\$47.44	
5"	100+	\$46.15	
	50/Box	80	\$51.15
	60	\$56.16	
	50	\$62.41	
	40	\$68.63	
6"	100+	\$63.63	
	50/Box	80	\$68.63
	60	\$76.10	
	50	\$86.11	
	40	\$94.84	
7"	100+	\$94.84	
	50/Box	80	\$102.34
	60	\$113.61	
	50	\$126.02	
	40	\$138.51	
8"	100+	\$116.08	
	50/Box	80	\$124.81
	60	\$139.77	
	50	\$156.00	
	40	\$172.24	



KLINGSPOR can make discs for almost all hole patterns. Check the die images and listing on the intranet or call the Technical department to confirm the availability of your specific pattern.

Dust extraction removes the waste material, allowing for a longer-lasting abrasive and a better finish.



Swirl Marks

5% UPCHARGE ON DISCS WITH MORE THAN 10 HOLES

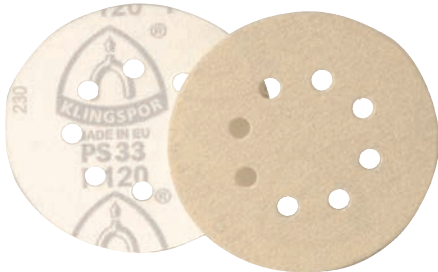
Stearate top-coated products help prevent loading



PS 33 ALUMINUM OXIDE STEARATE PAPER

Aluminum Oxide C-weight paper, resin-resin bond for bare wood sanding, autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials. **Semi-Open Coat**

KLING-ON® DISCS



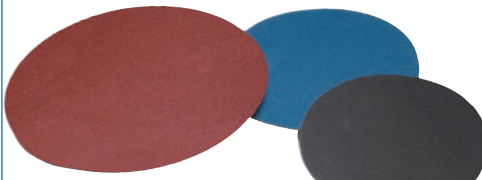
Diameter	Grit	Price Per Box
4"	60	\$65.17
100/Box	40	\$73.34
4-1/2"	60	\$65.17
100/Box	40	\$73.34
5"	60	\$65.17
100/Box	40	\$73.34
6"	60	\$84.16
100/Box	40	\$109.65
8"	60	\$74.78
50/Box	40	\$96.85
11"	60	\$147.23
25/Box	40	\$158.21

PSA DISCS



Diameter	Grit	Price Per Box
4"	60	\$65.17
100/Box	40	\$73.34
4-1/2"	60	\$65.17
100/Box	40	\$73.34
5"	60	\$65.17
100/Box	40	\$73.34
6"	60	\$84.16
100/Box	40	\$109.65
8"	60	\$74.78
50/Box	40	\$96.85

PLAIN CLOTH DISCS - NON PSA



LS 309: Aluminum Oxide, fully resin bonded, J or J-flex cotton cloth for polishing ferrous or non-ferrous metals and hardwoods where belt conformability to the work piece is required.

CS 310: Aluminum Oxide, X cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 311 YX ACT: Aluminum Oxide, anti-static, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a problem and sanding of soft woods or mix of hard and soft woods.

CS 321: Waterproof Silicon Carbide X-weight cloth resin bonded for grinding and polishing of glass, non-ferrous metals, plastics, stone, marble, grey cast iron, and titanium. Specially treated for use with water or water-based coolants.

CS 411 X : Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

* 24-36 Grit - Add 47% to price shown
 * 40-60 Grit - Add 39% to price shown
 * 80 Grit - Add 33% to price shown
 * 120 Grit - Add 33% to price shown

Diameter	Grit	Price Per Box
4"	100+	\$0.8088
50/Box	80	\$0.8822
	60	\$0.9312
	50	\$1.0046
	40	\$1.0231
	36	\$1.0949
	24	\$1.7506
5"	100+	\$1.2258
50/Box	80	\$1.2975
	60	\$1.3971
	50	\$1.4690
	40	\$1.5928
	36	\$1.6906
	24	\$1.9116
6"	100+	\$1.7144
50/Box	80	\$1.7594
	60	\$1.9354
	50	N/A
	40	N/A
	36	N/A
	24	N/A
7"	100+	\$2.4734
50/Box	80	N/A
	60	N/A
	50	N/A
	40	\$3.1360
	36	N/A
	24	\$3.7050
8"	100+	\$3.1112
50/Box	80	\$3.2595
	60	N/A
	50	\$3.7472
	40	\$3.9923
	36	N/A
	24	N/A
9"	100+	\$3.9923
50/Box	80	\$4.1902
	60	\$4.5063
	50	\$4.7782
	40	N/A
	36	\$5.4632
	24	N/A
10"	100+	\$4.6890
25/Box	80	\$4.9805
	60	\$5.2726
	50	\$5.5953
	40	N/A
	36	N/A
	24	N/A
12"	100+	\$5.5213
25/Box	80	\$7.5448
	60	\$8.1329
	50	\$8.6234
	40	\$9.1871
	36	\$9.8229
	24	\$16.7085



PS 36 ALUMINA ZIRCONIA STEARATE PAPER

This C or D weight paper product from KLINGSPOR combines the effectiveness of Alumina Zirconia grains and a stearate coating with the leveling properties of paper. Excellent results can be achieved when sanding wood, metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product. [Semi-Open Coat](#)

KLING-ON® DISCS



AGGRESSIVE

Diameter	Grit	Price Per Box
5"	100+	\$70.12
100/Box	80	\$73.45
6"	100+	\$91.81
100/Box	80	\$96.10

PSA DISCS

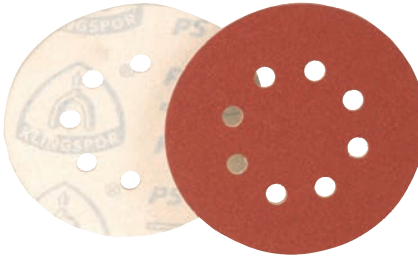


Diameter	Grit	Price Per Box
5"	100+	\$70.12
100/Box	80	\$73.45
6"	100+	\$91.81
100/Box	80	\$96.10

PS 29 ALUMINUM OXIDE HEAVY PAPER WITH ACT

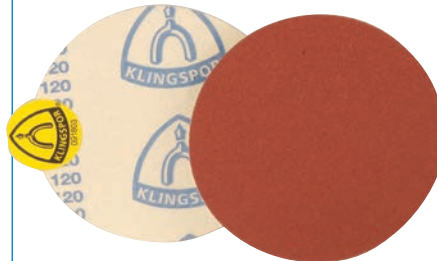
Aluminum Oxide open coat, resin-resin bond, F-weight paper, antistatic material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood. [Open Coat](#)

KLING-ON® DISCS



Diameter	Grit	Price Per Box
4"	100+	\$80.57
50/Box	80	\$84.58
5"	100+	\$80.57
50/Box	80	\$84.58
6"	100+	\$114.10
50/Box	80	\$122.16

PSA DISCS



Diameter	Grit	Price Per Box
5"	100+	\$118.16
100/Box	80	\$123.46
6"	100+	\$171.78
100/Box	80	\$179.82
7"	100+	\$246.96
100/Box	80	\$263.04
8"	100+	\$156.51
50/Box	80	\$166.40

Call for availability of other sizes.

PS 21 ALUMINA ZIRCONIA F WEIGHT PAPER CLOSED COAT

Our longest lasting paper PSA disc. Offers long life in wood or metal applications.

PSA DISCS



LONG LIFE

Diameter	Grit	Price Per Box
5"	100+	\$141.71
100/Box	80	\$148.15
6"	100+	\$206.12
100/Box	80	\$215.76
7"	100+	\$296.32
100/Box	80	\$315.65
8"	100+	\$188.45
50/Box	80	\$199.72

LS 312 ALUMINUM OXIDE DRY-LUBE JF WEIGHT CLOTH

PSA DISCS



Aluminum Oxide, semi-open coat resin bonded with a special top coating to aid in cooling and to resist loading. Very flexible, J-Flex cloth backing for severely contoured workpieces. Best suited for polishing stainless steel and high alloy steels, other ferrous metals and non-ferrous metals.

Diameter	Grit	Price Per Box
5"		
50/Box	120-220	\$82.80
6"		
50/Box	120-220	\$120.27

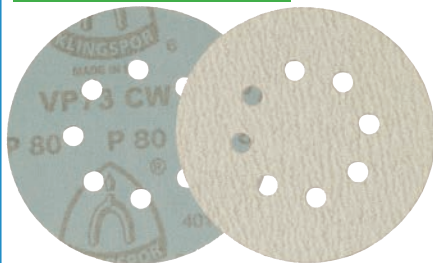
It is always best to use a closed coat if loading is not an issue.



VP 73W ALUMINUM OXIDE STEARATE LATEX PAPER

Enhanced 73W material with a latex impregnated backing for longer edgewear and life. May be used anywhere the regular PS33 is found including bare wood, composite, marine and autobody. This material is not waterproof.

KLING-ON® DISCS



Diameter	Grit	Price Per Box
5"	100+	\$65.55
100/Box	80	\$68.75
6"	100+	\$85.86
100/Box	80	\$92.19
8"	100+	\$75.99
50/Box	80	\$79.85

PSA DISCS



Diameter	Grit	Price Per Box
5"	100+	\$65.55
100/Box	80	\$68.75
6"	100+	\$85.86
100/Box	80	\$92.19
8"	100+	\$75.99
50/Box	80	\$79.85

PSA adhesion is affectedd by temperature, humidity, and dust.

Kling-On (hook and loop) adhesion is not affected by any of these.



Finishing

PS 73W ALUMINUM OXIDE STEARATE PAPER

Aluminum Oxide resin-bond, B or C weight paper backing coated with a select mixture of stearates for even less loading than ever before! Useful on sanding of solid surface materials and bare wood on flat surfaces. **Semi-Open Coat**

KLING-ON® DISCS



BETTER

Diameter	Grit	Price Per Box
5"	100-1500	\$65.55
100/Box	80	\$68.75
	60	65.20
	40	84.33
6"	100-1500	\$85.86
100/Box	80	\$92.19
	60	84.15
	40	112.56
8"	100-1500	\$75.99
50/Box	80	\$79.85

PSA DISCS



Diameter	Grit	Price Per Box
5"	100-1500	\$65.55
100/Box	80	\$68.75
	60	65.20
	40	84.33
6"	100-1500	\$85.86
100/Box	80	\$92.19
	60	84.15
	40	112.56
8"	100-1500	\$75.99
50/Box	80	\$79.85

FP 77 GREEN TEC ALUMINUM OXIDE FILM

Aluminum Oxide on a 3 mil poly film in grits 80-2000. KLING-SPOR's proprietary coating technology makes this product the perfect choice when loading is an issue. Available in discs, sheets and rolls. FP 77 is waterproof. **Semi-Open Coat**

KLING-ON® DISCS



Diameter	Grit	Price Per Box
5"	80 - 2000	\$85.20
100/Box		
6"	80 - 2000	\$111.58
100/Box		

PSA DISCS



Diameter	Grit	Price Per Box
5"	80 - 2000	\$85.20
100/Box		
6"	80 - 2000	\$111.58
100/Box		



Green Tec

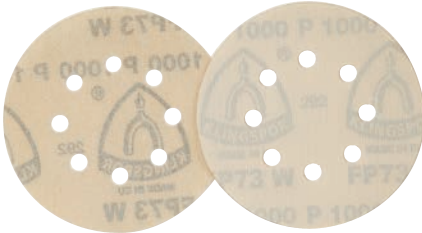
Use FP77 when **LOADING** is an issue. Film backing finishes better than paper because the grain lays flatter. It is also waterproof for use in wet sanding applications.



FP 73W ALUMINUM OXIDE STEARATE FILM

Aluminum Oxide on a 3 mil poly film backing. It's semi-open coat grain covering and double layer of stearate make it the ideal product for longer life in woodworking, solid surface, auto & marine body and composite markets. The film backing makes it tear resistant, waterproof and enhances the finishing characteristics of this product. Available in P80 - 1500 (no 360 or 500) grits.

KLING-ON® DISCS



Diameter	Grit	Price Per Box
5" 100/Box	100+	\$85.20
	80	\$89.35
6" 100/Box	100+	\$111.58
	80	\$119.83

PSA DISCS



Diameter	Grit	Price Per Box
5" 100/Box	100+	\$85.20
	80	\$89.35
6" 100/Box	100+	\$111.58
	80	\$119.83

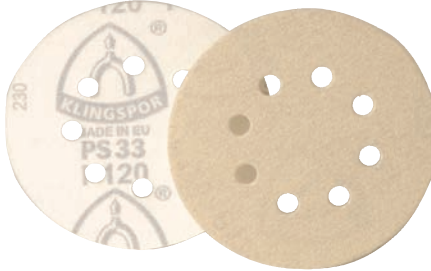


PS33

PS 33 ALUMINUM OXIDE STEARATE PAPER

Aluminum Oxide B or C-weight paper, resin-resin bond for bare wood sanding, autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials. **Semi-Open Coat**

KLING-ON® DISCS



Diameter	Grit	Price Per Box
4" 100/Box	100+	\$57.00
	80	\$59.75
4-1/2" 100/Box	100+	\$57.00
	80	\$59.75
5" 100/Box	100+	\$57.00
	80	\$59.75
6" 100/Box	100+	\$74.69
	80	\$78.20
8" 50/Box	100+	\$66.06
	80	\$69.40
11" 25/Box	100+	\$126.05
	80	\$145.93

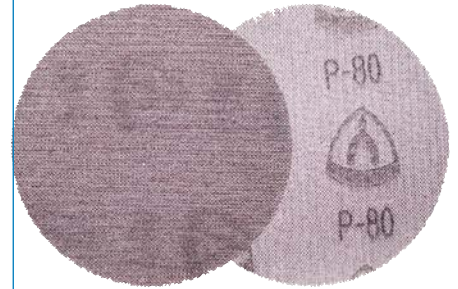
PSA DISCS



Diameter	Grit	Price Per Box
4" 100/Box	100+	\$57.00
	80	\$59.75
4-1/2" 100/Box	100+	\$57.00
	80	\$59.75
5" 100/Box	100+	\$57.00
	80	\$59.75
6" 100/Box	100+	\$74.69
	80	\$78.20
8" 50/Box	100+	\$66.06
	80	\$69.40

KLINGNET

Produced from a strong mesh net material and aluminum oxide grains, KlingNet is a premier product for use in marine, automotive, composites, and wood markets. KlingNet offers enhanced dust collection capabilities for a cleaner, safer work environment.



Diameter	Grit	Price Per Box
5" 50/Box	80-800	\$61.73
6" 50/Box	80-800	\$73.02

SOFT HAND PADS



These hand pads are used in most woodworking hand operations to create a softer scratch that leads to better finishing.

- 5" Hook & Loop Foam Hand Pad
1/8" Thick with Strap
FJ2215 \$11.78
- 5" PSA Foam Hand Pad
1/8" Thick with Strap
FJ2115 \$11.78

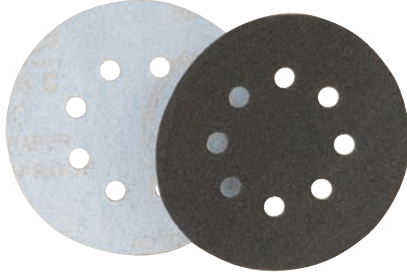
Hand sanding with the wood grain will always provide a better finish.



**PS 11 SILICON CARBIDE
WATERPROOF A/C WEIGHT
LATEX PAPER**

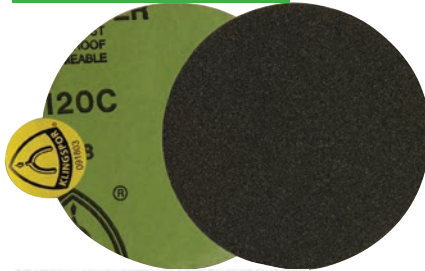
Waterproof Silicon Carbide, A and C-weight papers, resin-resin bonded and available in grits P60 - P2000. Use for sanding of furniture finishes such as varnish, lacquer, shellac, oil, polishing of glass, and in automotive body shops for final color sanding of paint.

KLING-ON® DISCS



Diameter	Grit	Price Per Box
5"	220+	\$97.24
	100/Box	180 \$104.93
		150 \$107.45
		120 \$112.64
6"	100	\$122.80
	220+	\$140.07
	100/Box	180 \$147.96
		150 \$155.84
	120 \$163.72	
	100 \$179.17	
11"	220+	\$216.75
	25/Box	180 \$228.38
		150 \$252.58
		120 \$252.58
	100 \$252.58	

PSA DISCS



PREMIUM FINISHING

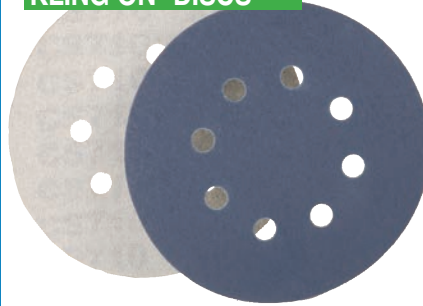
Diameter	Grit	Price Per Box
3-1/2"	220A+	\$87.02
	100/Box	180C \$89.57
		150C \$94.71
		120C \$99.78
		100C \$110.03
4"	220A+	\$87.02
	100/Box	180C \$89.57
		150C \$94.71
		120C \$99.78
		100C \$110.03

**CS 710 XF HEAT TREATED
ALUMINUM OXIDE CLOTH**

Heat-treated Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable for polishing all ferrous metals and sanding on hardwoods.

KLING-ON® DISCS

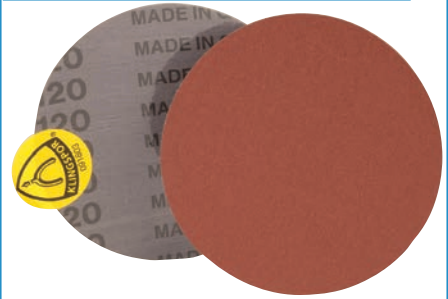
KLING-ON® DISCS



Diameter	Grit	Price Per Box
5"	100-180, 240	\$130.57
	50/Box	
6"	100-180, 240	\$182.63
	50/Box	

Diameter	Grit	Price Per Box
5"	220A+	\$97.45
	100/Box	180 \$102.62
		150 \$108.31
		120 \$113.79
		100 \$124.31
6"	220A+	\$140.07
	100/Box	180 \$147.96
		150 \$155.84
		120 \$163.72
		100 \$179.17
7"	220A+	\$209.83
	100/Box	180C \$225.17
		150C \$235.42
		120C \$243.08
		100C \$271.19
8"	220A+	\$135.62
	50/Box	180C \$141.99
		150C \$149.74
		120C \$158.62
		100C \$180.42

CLOTH PSA DISCS



CS 310: Aluminum Oxide, X cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 311 YX ACT: Aluminum Oxide, anti-static, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a problem and sanding of soft woods or mix of hard and soft woods.

CS 411 X: Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

- * 24-36 Grit - Add 47% to price shown
- * 40-60 Grit - Add 39% to price shown
- * 80 Grit & Finer - Add 33% to price shown

Diameter	Grit	Price Per Box
3"	100+	\$50.51
	50/Box	80 \$52.36
4"	100+	\$61.95
	50/Box	80 \$64.99
5"	100+	\$72.92
	50/Box	80 \$76.94
6"	100+	\$105.91
	50/Box	80 \$111.90
8"	100+	\$195.84
	50/Box	80 \$205.82
10"	100+	\$152.40
	25/Box	80 \$161.87
12"	100+	\$89.36
	10/Box	80 \$94.72
20"	100+	\$77.50
	3/Box	80 \$82.17

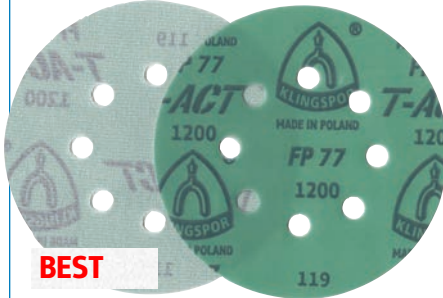
For intermediate sizes use next higher list price.
Call for availability of other sizes.



FP 77 GREEN TEC ALUMINUM OXIDE FILM

Aluminum Oxide on a 3 mil poly film in grits 80-2000. KLINGSPOR's proprietary coating technology makes this product the perfect choice when loading is an issue. Available in discs, sheets and rolls. FP 77 is waterproof. [Semi-Open Coat](#)

KLING-ON® DISCS



BEST

Diameter	Grit	Price Per Box
5"	80 - 2000	\$85.20
100/Box		
6"	80 - 2000	\$111.58
100/Box		

PSA DISCS



Diameter	Grit	Price Per Box
5"	80 - 2000	\$85.20
100/Box		
6"	80 - 2000	\$111.58
100/Box		

NO PAPER PSA DISCS LARGER THAN 8" DIAMETER



Green Tec

PS 73W ALUMINUM OXIDE STEARATE PAPER

Aluminum Oxide resin-bond, B or C weight paper backing coated with a select mixture of stearates for even less loading than ever before! Useful on sanding of solid surface materials and bare wood on flat surfaces. [Semi-Open Coat](#)

KLING-ON® DISCS



BETTER

Diameter	Grit	Price Per Box
5"	100+	\$65.55
100/Box	80	\$68.75
6"	100+	\$85.86
100/Box	80	\$92.19
8"	100+	\$75.99
50/Box	80	\$79.85

PSA DISCS



Diameter	Grit	Price Per Box
5"	100+	\$65.55
100/Box	80	\$68.75
6"	100+	\$85.86
100/Box	80	\$92.19
8"	100+	\$75.99
50/Box	80	\$79.85



PS33

PS 33 ALUMINUM OXIDE STEARATE PAPER

Aluminum Oxide B or C-weight paper, resin-resin bond for bare wood sanding, autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials. [Semi-Open Coat](#)

KLING-ON® DISCS



GOOD

Diameter	Grit	Price Per Box
4"	100+	\$57.01
100/Box	80	\$59.76
	60	\$65.17
	40	\$73.34
5"	100+	\$57.01
100/Box	80	\$59.76
	60	\$65.17
	40	\$73.34
6"	100+	\$74.69
100/Box	80	\$78.20
	60	\$84.16
	40	\$109.65
8"	100+	\$66.05
50/Box	80	\$69.40
	60	\$74.79
	40	\$96.86
11"	100+	\$126.05
25/Box	80	\$145.93
	60	\$147.23
	40	\$158.21

PSA DISCS



Diameter	Grit	Price Per Box
4"	100+	\$57.01
100/Box	80	\$59.76
	60	\$65.17
	40	\$73.34
5"	100+	\$57.01
100/Box	80	\$59.76
	60	\$65.17
	40	\$73.34
6"	100+	\$74.69
100/Box	80	\$78.20
	60	\$84.16
	40	\$109.65
8"	100+	\$66.05
50/Box	80	\$69.40
	60	\$74.79
	40	\$96.86



VP 73W ALUMINUM OXIDE STEARATE LATEX PAPER

Enhanced 73W material with a latex impregnated backing for longer edgewear and life. May be used anywhere the regular PS33 is found including bare wood, composite, marine and autobody. This material is not waterproof.

KLING-ON® DISCS



EDGEWEAR

Diameter	Grit	Price Per Box
5"	100+	\$65.55
100/Box	80	\$68.75
6"	100+	\$85.86
100/Box	80	\$92.19
8"	100+	\$75.99
50/Box	80	\$79.85

PSA DISCS

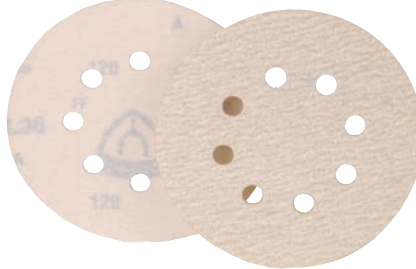


Diameter	Grit	Price Per Box
5"	100+	\$65.55
100/Box	80	\$68.75
6"	100+	\$85.86
100/Box	80	\$92.19
8"	100+	\$75.99
50/Box	80	\$79.85

PS 35 SILICON CARBIDE STEARATE B WEIGHT PAPER

B-weight Silicon Carbide paper, resin bonded, open coat top-coated with Zinc Stearate dry lubricant. Suitable for sanding contoured surfaces or flat surfaces by hand, with sanding blocks, or on vibrating sanders. Ideal for sanding primer, paint, bare metal, and rust, or in woodworking, for sanding sealer, wash coats, bare softwoods and hardwoods, and between coats of furniture finishes.

KLING-ON® DISCS



Diameter	Grit	Price Per Box
5"	120+	\$49.68
100/Box	80	\$52.24
6"	120+	\$65.50
100/Box	80	\$68.63

PSA DISCS



SANDING FINISHES

Diameter	Grit	Price Per Box
5"	100+	\$49.68
100/Box	80	\$52.24
6"	100+	\$65.50
100/Box	80	\$68.63

FP 73W ALUMINUM OXIDE STEARATE FILM

Aluminum Oxide on a 3 mil poly film backing. It's semi-open coat grain covering and double layer of stearate make it the ideal product for longer life in woodworking, solid surface, auto & marine body and composite markets. The film backing makes it tear resistant, waterproof and enhances the finishing characteristics of this product. Available in P80 - 1500 (no 360 or 500) grits.

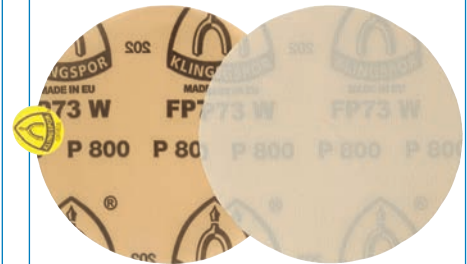
KLING-ON® DISCS



EDGEWEAR

Diameter	Grit	Price Per Box
5"	100/Box	100+ \$85.20
		80 \$89.36
6"	100/Box	100+ \$111.58
		80 \$119.82

PSA DISCS



Diameter	Grit	Price Per Box
5"	100/Box	100+ \$85.20
		80 \$89.36
6"	100/Box	100+ \$111.58
		80 \$119.82

For Dynabrade Orbital Sanders: pads attach with a 5/16-24 male threaded stud



KLINGSPOR BACKING PADS

5" Kling-On
No Hole
SBP5K.....\$24.27

5" Kling-On
Multi-Hole
SBP5KMP ..\$32.29

5" PSA
No Hole
SBP5P.....\$24.27

6" Kling-On
No Holes
SBP6K.....\$27.46

6" Kling-On
Multi-Hole
SBP6KMP ..\$46.14

6" PSA
No Holes
SBP6P.....\$27.46

5" x No Hole Hook & Loop
FJ70515\$26.32

5" x 5 Hole Hook & Loop
FJ70515-H5\$26.32

5" x No Hole PSA
FJ70515V.....\$37.15

6" x No Hole Hook & Loop
FJ70516\$30.09



PS 33 ALUMINUM OXIDE STEARATE B/C WEIGHT PAPER

Aluminum Oxide B or C-weight paper, resin-resin bond for bare wood sanding, auto body use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials.

Diameter	Grit	Price Per Roll
3-1/2"	100+	\$57.01
100/Roll	80	\$59.76
5"	100+	\$57.01
100/Roll	80	\$59.76
6"	100+	\$74.69
100/Roll	80	\$78.20

PS 36 ALUMINA ZIRCONIA STEARATE C/D WEIGHT PAPER

This C or D weight paper product from KLINGSPOR combines the effectiveness of Alumina Zirconia grains and a stearate coating with the leveling properties of paper. Excellent results can be achieved when sanding wood, metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product.

Diameter	Grit	Price Per Roll
5"	100/Roll 120+	\$70.09
	100/Roll 80	\$73.42
	100/Roll 60	\$80.08
6"	100/Roll 120+	\$91.79
	100/Roll 80	\$96.10
	100/Roll 60	\$103.45

PS 73W ALUMINUM OXIDE STEARATE B/C WEIGHT PAPER X-LUBE

Aluminum Oxide resin-bond, B or C weight paper backing coated with a select mixture of stearates for even less loading than ever before! Useful on sanding of solid surface materials and bare wood on flat surfaces.

Diameter	Grit	Price Per Roll
3-1/2"	100+	\$65.55
100/Roll	80	\$68.75
5"	100+	\$65.55
100/Roll	80	\$68.75
6"	100+	\$85.86
100/Roll	80	\$98.70

PS 35 SILICON CARBIDE STEARATE B WEIGHT PAPER

B-weight Silicon Carbide paper, resin bonded, open coat top-coated with Zinc Stearate dry lubricant. Suitable for sanding contoured surfaces or flat surfaces by hand, with sanding blocks, or on vibrating sanders. Ideal for sanding primer, paint, bare metal, and rust, or in woodworking, for sanding sealer, wash coats, bare softwoods and hardwoods, and between coats of furniture finishes.

Diameter	Grit	Price Per Roll
3-1/2"	120+	\$49.68
100/Roll	80	\$52.24
5"	120+	\$49.68
100/Roll	80	\$52.24
6"	120+	\$65.50
100/Roll	80	\$68.63

PS 11 SILICON CARBIDE WATERPROOF A/C WEIGHT LATEX PAPER

Waterproof Silicon Carbide, A and C-weight papers, resin-resin bonded and available in grits P60 - P2000. Use for sanding of furniture finishes such as varnish, lacquer, shellac, oil, polishing of glass, and in automotive body shops for final color sanding of paint.

Easily dispense these discs for wet applications.

Diameter	Grit	Price Per Roll
5"	220+	\$97.45
100/Roll	180	\$102.62
	150	\$108.31
	120	\$113.79
	100	\$124.31
	80	\$130.85
	60	\$137.36
6"	220+	\$140.07
100/Roll	180	\$147.96
	150	\$155.84
	120	\$163.72
	100	\$179.17
	80	\$190.00
	60	\$201.73

Minimum order of 3 on Non-Stock Disc Rolls



Disc Roll Dispenser
#DISPENSER981 \$72.51



Approved Dynaflex Materials: CS310XF, CS710XF, CS308Y, CS321X, CS320Y, CS411Y, CS409Y, CS412Y, CS416Y, CS631XF, CS920, CS922, NWXF * 1/8" wide belts are not guaranteed against breakage. All belts with #4 (butt splice) only.

FILE BELTS

CS 308: Our YX weight Aluminum Oxide material is a fully resin-bonded product. Use on ferrous or non-ferrous metals and on hardwoods.

CS 310: Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 412: Aluminum Oxide, resin bonded, Y-weight (Y), and X-weight (YX), polyester-backings for use wet or dry on ferrous or non-ferrous metals. Also suitable for sanding hardwoods.

CS 710: Heat-treated Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable for polishing all ferrous metals and sanding on hardwoods.

Belt Size	Grit	Price Per Box
*1/8" x 12", 1/4" x 12", 1/2" x 12" 10/Box	100+	\$15.15
	80	\$15.15
	60	\$15.15
	50	\$15.15
	40	\$15.15
*1/8" x 18", 1/4" x 18", 1/2" x 18" 10/Box	100+	\$16.78
	80	\$16.78
	60	\$16.78
	50	\$16.78
	40	\$16.78
1/4" x 20-1/2", 1/2" x 20-1/2" 10/Box	100+	\$18.44
	80	\$18.44
	60	\$18.44
	50	\$18.44
	40	\$18.44
*1/8" x 24", 1/4" x 24", 1/2" x 24" 10/Box	100+	\$20.14
	80	\$20.14
	60	\$20.14
	50	\$20.14
	40	\$20.14
1/4" x 30", 1/2" x 30" 10/Box	100+	\$21.81
	80	\$21.81
	60	\$21.81
	50	\$21.81
	40	\$21.81
3/8" x 13" 10/Box	100+	\$16.32
	80	\$16.32
	60	\$16.32
	50	\$16.32
	40	\$16.32
5/8" x 18", 3/4" x 18" 10/Box	100+	\$20.36
	80	\$20.36
	60	\$20.36
	50	\$20.36
	40	\$20.36
5/8" x 20-1/2", 3/4" x 20-1/2" 10/Box	100+	\$21.81
	80	\$21.81
	60	\$21.81
	50	\$21.81
	40	\$21.81
5/8" x 24", 3/4" x 24" 10/Box	100+	\$23.44
	80	\$23.44
	60	\$23.44
	50	\$23.44
	40	\$23.44

PREMIUM FILE BELTS

CS 409: Alumina Zirconia grain with a multi-bond additive on polyester backing for grinding high alloys such as titanium and metals like stainless steel where heat build-up is a problem.

CS 411 Y, CS 411 XY: Alumina Zirconia resin-bonded, polyester cloth Y-weight (Y) backing for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

CS 416: 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.

Belt Size	Grit	Price Per Box
*1/8" x 12", 1/4" x 12", 1/2" x 12" 10/Box	100+	\$20.14
	80	\$20.14
	60	\$20.14
	50	\$20.14
	40	\$20.14
*1/8" x 18", 1/4" x 18", 1/2" x 18" 10/Box	100+	\$21.81
	80	\$21.81
	60	\$21.81
	50	\$21.81
	40	\$21.81
1/4" x 20-1/2", 1/2" x 20-1/2" 10/Box	100+	\$23.70
	80	\$23.70
	60	\$23.70
	50	\$23.70
	40	\$23.70
*1/8" x 24", 1/4" x 24", 1/2" x 24" 10/Box	100+	\$25.08
	80	\$25.08
	60	\$25.08
	50	\$25.08
	40	\$25.08
1/4" x 30", 1/2" x 30" 10/Box	100+	\$26.73
	80	\$26.73
	60	\$26.73
	50	\$26.73
	40	\$26.73
3/8" x 13" 10/Box	100+	\$21.34
	80	\$21.34
	60	\$21.34
	50	\$21.34
	40	\$21.34
5/8" x 18", 3/4" x 18" 10/Box	100+	\$24.34
	80	\$24.34
	60	\$24.34
	50	\$24.34
	40	\$24.34
5/8" x 20-1/2", 3/4" x 20-1/2" 10/Box	100+	\$26.24
	80	\$26.24
	60	\$26.24
	50	\$26.24
	40	\$26.24
5/8" x 24", 3/4" x 24" 10/Box	100+	\$28.42
	80	\$28.42
	60	\$28.42
	50	\$28.42
	40	\$28.42



CERAMIC FILE BELTS



CEVOLUTION

CS 631 XF: Ceramic Aluminum Oxide on either X-flex backing or very flexible J-flex backing. Perfect for use on steels of all types but specifically for hard steels and under high grinding pressure. Added multibond lubricant enhances grinding properties and reduces heat build-up.

CS 920 ACT: Ceramic Aluminum Oxide with multibond lubricant added to enhance the grinding properties and cool the grinding surface. Features a heavy polyester backing that enhances its durability while removing large amounts of stock.

CS 922 ACT: Ceramic Aluminum Oxide on our heaviest Y polyester backing for use on steels of all types and under high grinding pressure applications.

Belt Size	Grit	Price Per Box
1/4" x 18", 1/2" x 18" 10/Box	180-100	\$25.07
	80	\$25.07
	60	\$25.07
	50	\$25.07
	40	\$25.07
1/4" x 20-1/2", 1/2" x 20-1/2" 10/Box	100+	\$27.27
	80	\$27.27
	60	\$27.27
	50	\$27.27
	40	\$27.27
1/4" x 24", 1/2" x 24" 10/Box	100+	\$28.89
	80	\$28.89
	60	\$28.89
	50	\$28.89
	40	\$28.89
5/8" x 18", 3/4" x 18" 10/Box	100+	\$28.04
	80	\$28.04
	60	\$28.04
	50	\$28.04
	40	\$28.04
5/8" x 24", 3/4" x 24" 10/Box	100+	\$32.64
	80	\$32.64
	60	\$32.64
	50	\$32.64
	40	\$32.64



CLOTH BELTS

CS 308: Our YX weight Aluminum Oxide material is a fully resin-bonded product that offers the benefits of a polyester backing in an X-weight. Use on ferrous or non-ferrous metals and on hardwoods. CS 308 has an extended grit range that allows for coarse to ultra-fine belt sanding and polishing.

LS 309: Aluminum Oxide, fully resin bonded, J or J-flex cotton cloth for polishing ferrous or non-ferrous metals and hardwoods where belt conformability to the work piece is required. Narrow belts and some intermediate belts. XH backing is for portable belts only.

CS 310: Aluminum Oxide, X or X-Flex cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 311 YX ACT: Aluminum Oxide, anti-static, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a problem and sanding of soft woods or mix of hard and soft woods.

LS 312: Aluminum Oxide, semi-open coat resin bonded with a special top coating to aid in cooling and to resist loading. Very flexible, J-Flex cloth backing for severely contoured workpieces. Best suited for polishing stainless steel and high alloy steels, other ferrous metals and non-ferrous metals.

LS 313: Aluminum Oxide, semi-open coat, highly flexible J-flex backing, fully resin-bonded with a dry lubricant to reduce heat and clogging on stainless steel, aluminum, and titanium grinding and finishing.

CS 320: Silicon Carbide on Y-weight polyester backings. Excellent for wet applications on glass, plastic, and stainless steels where strength of polyester would be a benefit.

CS 321: Waterproof Silicon Carbide X-weight cloth resin bonded for grinding and polishing of glass, non-ferrous metals, plastics, stone, marble, grey cast iron, and titanium. Specially treated for use with water or water-based coolants.

CS 333: A versatile Silicon Carbide, fully resin bonded, X, J, or J-Flex cloth backings for grinding and polishing of non-ferrous metals, grinding and polishing of plastic, glass, rubber, fiberglass, stone, marble, and grey cast iron.

CS 341: Waterproof Aluminum Oxide fully resin bonded X-weight cloth for metal grinding and polishing where water or soluble oil coolants are used to reduce heat.

CS 412: Aluminum Oxide, resin bonded, Y-weight (Y), and X-weight (YX), polyester-backings for use wet or dry on ferrous or non-ferrous metals. Also suitable for sanding hardwoods.

CS 538 ACT: Silicon Carbide, polyester backing and closed coat grain coverage make this a preferred product for the particle board and plywood industries. For wide belts only.

CS 710: Heat-treated Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable

for polishing all ferrous metals and sanding on hardwoods.

GX 533 JF: Silicon Carbide grains resin-bonded to a new tough polyester/cotton blended backing with high flexibility and extra durability. Perfect on non-ferrous metals.

GX 712 JF: Aluminum oxide resin bonded to a new tough polyester/cotton blended backing with high flexibility and extra durability. A multibond lubricant is added for cooler grinding and better finishes on ferrous and non-ferrous metals.

* Add 5% to price shown
 ** Add 10% to price shown
 *** Add 20% to price shown
 **** Add 21% to price shown

Belt Size	Grit	Price Per Belt
1" x 18"	100+	\$4.08
	80	\$3.97
	60	\$4.19
	50	\$4.27
	40	\$4.29
	36	\$4.38
1" x 21"	100+	\$4.22
	80	\$4.27
	60	\$4.35
	50	\$4.41
	40	\$4.51
	36	\$4.58
1" x 24"	100+	\$4.35
	80	\$4.38
	60	\$4.51
	50	\$4.63
	40	\$4.72
	36	\$4.79
1" x 30"	100+	\$4.65
	80	\$4.70
	60	\$4.83
	50	\$4.96
	40	\$5.06
	36	\$5.20
1-1/8" x 21"	100+	\$4.43
	80	\$4.51
	60	\$4.63
	50	\$4.72
	40	\$4.82
	36	\$4.96
1" x 72"	100+	\$6.70
	80	\$6.80
	60	\$7.18
	50	\$7.51

Belt Size	Grit	Price Per Belt
1" x 132"	40	\$7.71
	36	\$8.05
	24	\$8.68
1" x 132"	100+	\$9.65
	80	\$9.88
	60	\$10.52
	50	\$10.99
	40	\$11.52
	36	\$12.13
2" x 42"	100+	\$6.51
	80	\$7.28
	60	\$7.69
	50	\$8.00
	40	\$8.29
	36	\$8.67
2" x 48"	100+	\$7.64
	80	\$7.98
	60	\$8.31
	50	\$8.61
	40	\$9.05
	36	\$9.44
2" x 72"	100+	\$9.90
	80	\$10.33
	60	\$10.89
	50	\$11.40
	40	\$11.98
	36	\$12.63
2" x 118"	100+	\$14.30
	80	\$14.86
	60	\$15.81
	50	\$16.68
	40	\$17.59
	36	\$18.60
2" x 118"	24	\$20.90

Belt Size	Grit	Price Per Belt
2" x 132"	100+	\$15.57
	80	\$16.23
	60	\$17.29
	50	\$17.75
	40	\$19.29
	36	\$20.45
3" x 21"	100+	\$7.59
	80	\$7.76
	60	\$8.05
	50	\$8.29
	40	\$8.54
	36	\$8.91
3" x 24"	100+	\$8.04
	80	\$8.18
	60	\$8.55
	50	\$8.75
	40	\$8.98
	36	\$9.39
3" x 118"	100+	\$21.04
	80	\$21.96
	60	\$23.50
	50	\$24.74
	40	\$26.12
	36	\$27.75
3" x 132"	100+	\$22.93
	80	\$24.00
	60	\$25.73
	50	\$27.02
	40	\$28.64
	36	\$30.49
3-1/2" x 15-1/2"	100+	\$8.44
	80	\$8.60
	60	\$8.83

Belt Size	Grit	Price Per Belt
1" x 18"	50	\$9.06
	40	\$9.33
	36	\$9.57
	24	\$10.12
4" x 21"	100+	\$10.10
	80	\$10.34
	60	\$10.68
	50	\$10.99
	40	\$11.36
4" x 24"	100+	\$10.67
	80	\$10.94
	60	\$11.31
	50	\$11.66
4" x 36"	100+	\$12.81
	80	\$13.29
	60	\$13.87
	50	\$14.39
	40	\$14.91
4" x 54"	100+	\$16.13
	80	\$16.74
	60	\$17.59
	50	\$18.42
	40	\$19.21
4" x 60"	100+	\$17.25
	80	\$17.93
	60	\$18.86
	50	\$19.80
	40	\$20.69



Belt Size	Grit	Price Per Belt	Belt Size	Grit	Price Per Belt	Belt Size	Grit	Price Per Belt	Belt Size	Grit	Price Per Belt
4" x 84"	100+	\$21.65	4" x 168"	100+	\$37.01	6" x 108"	100+	\$38.90	6" x 306"	100+	\$93.02
	80	\$22.62		80	\$38.99		80	\$40.68		80	\$98.04
	60	\$23.93		60	\$41.58		60	\$43.28		60	\$105.32
	50	\$25.19		50	\$44.14		50	\$45.68		50	\$112.11
	40	\$26.42		40	\$46.65		40	\$48.26		40	\$119.42
	36	\$28.04		36	\$49.82		36	\$51.19		36	\$127.67
	24	\$31.15		24	\$56.69		24	\$57.17		24	\$144.70
4" x 118"	100+	\$27.84	6" x 48"	100+	\$22.52	6" x 132"	100+	\$45.45	<p>Convince your customer to buy belts in quantities to reach a 12" width threshold. For example: if the customer buys 3" wide belts, buying in multiples of 4 would be ideal or if the customer is buying 4" wide belts, buying in multiples of 3 is ideal.</p> <p>1" Belt = 12 Minimum 2" Belt = 6 Minimum 3" Belt = 4 Minimum 4" Belt = 3 Minimum 6" Belt = 2 Minimum</p> <p>A WIDE belt is any belt that is 12" or wider.</p> <p>Use CS311 (open coat) if there is a loading issue with CS310 (closed coat).</p>		
	80	\$29.23		80	\$23.32		80	\$47.67			
	60	\$31.06		60	\$24.46		60	\$50.79			
	50	\$32.91		50	\$25.54		50	\$53.70			
	40	\$34.66		40	\$26.63		40	\$55.45			
	36	\$36.83		36	\$27.96		36	\$58.97			
	24	\$41.17		24	\$30.62		24	\$68.27			
4" x 132"	100+	\$30.42	6" x 89"	100+	\$33.73	6" x 294"	100+	\$89.73			
	80	\$31.99		80	\$35.17		80	\$94.56			
	60	\$33.96		60	\$37.32		60	\$101.57			
	50	\$36.02		50	\$39.30		50	\$108.10			
	40	\$37.98		40	\$41.42		40	\$115.10			
	36	\$40.48		36	\$43.80		36	\$123.08			
	24	\$45.37		24	\$48.71		24	\$139.31			

PAPER BELTS

PS 20: Primarily for grinding and polishing on metals, but also useful on leather. Closed coat, Aluminum Oxide, resin-resin bonded to heavy F-weight paper. Best for wide belts and stroke sanders.

PS 21: F-weight paper, fully resin-bonded, alumina zirconia grains. Ideal on steel and stainless steel plates. Also for use on stamped parts, final grinding of cast-iron housings, and some woodworking applications

PS 22 ACT: For grinding and polishing metals and for finish sanding on hardwoods and leather. F-weight paper backing, Aluminum Oxide closed coat resin-resin bond available in intermediate and wide belts.

PS 24 ACT: Fully resin-bonded Silicon Carbide material, F-weight paper backing. Works well for non-ferrous metal applications, sanding between coats of paint, lacquer, varnish, etc. in woodworking applications, or for finish sanding

of particle board or MDF. Available in wide belts, production belts, or stroke sanding belts.

PS 27W: Silicon Carbide, open coat stearated on a D-weight backing for wide belts stroked sanding. Best suited for UV finishes or high gloss finishes in the woodworking industry.

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight

paper material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood.

PS 61: Ceramic Aluminum Oxide, F weight paper backing. Ceramic grains on a durable paper backing create a perfect combination of longevity and economy. Excellent intermediate and finishing properties for steel and stainless steel.

- ** Add 10% to final price
- *** Add 20% to final price
- **** Add 40% to final price
- † Add 45% to final price

PS22F ACT 150 grit and finer is a great choice for hardwood. PS29F ACT 150 grit and finer is a great choice for softwood or a combination of hard and soft.

Width	Grit	Price Per Belt
4" x 376"	100+	\$42.65
	80	\$46.25
6" x 274"	100+	\$48.44
	80	\$52.01
6" x 288"	100+	\$50.43
	80	\$54.12
6" x 298"	100+	\$51.80
	80	\$55.60
6" x 328"	100+	\$56.02
	80	\$60.27
6" x 330"	100+	\$56.35
	80	\$60.55
6" x 335"	100+	\$57.00
	80	\$61.33
6" x 376"	100+	\$62.77
	80	\$67.63
6" x 396"	100+	\$65.59
	80	\$70.70

JOINT RECOMMENDATIONS FOR PAPER BELTS

GRIT	SIZE	JOINT OPTIONS
80 - 120	Wide, ES, LS	#4
150+	Wide, ES, LS	#1, 4YT



Belt Sanding - Part 1



Belt Sanding - Part 2



Wide Belt 101



CLOTH BELTS

CS 308: Our YX weight Aluminum Oxide material is a fully resin-bonded product that offers the benefits of a polyester backing in an X-weight. Use on ferrous or non-ferrous metals and on hardwoods. CS 308 has an extended grit range that allows for coarse to ultra-fine belt sanding and polishing.

CS 310: Aluminum Oxide, X or X-Flex cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 311 YX ACT: Aluminum Oxide, anti-static, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a problem and sanding of soft woods or mix of hard and soft woods.

LS 313: ** Aluminum Oxide, semi-open coat, highly flexible J-flex backing, fully resin-bonded with a dry lubricant to reduce heat and clogging on stainless steel, aluminum, and titanium grinding and finishing.

CS 320: * Silicon Carbide on Y-weight polyester backings. Excellent for wet applications on glass, plastic, and stainless steels where strength of polyester would be a benefit.

CS 321: * Waterproof Silicon Carbide X-weight cloth resin bonded for grinding and polishing of glass, non-ferrous metals, plastics, stone, marble, grey cast iron, and titanium. Specially treated for use with water or water-based coolants.

CS 333: A versatile Silicon Carbide, fully resin bonded, X, J, or J-Flex cloth backings for

grinding and polishing of non-ferrous metals, grinding and polishing of plastic, glass, rubber, fiberglass, stone, marble, and grey cast iron.

CS 341: * Waterproof Aluminum Oxide fully resin bonded X-weight cloth for metal grinding and polishing where water or soluble oil coolants are used to reduce heat.

CS 412: * Aluminum Oxide, resin bonded, Y-weight (Y), and X-weight (YX), polyester-backings for use wet or dry on ferrous or non-ferrous metals. Also suitable for sanding hardwoods.

CS 538 ACT: **** Silicon Carbide, polyester backing and closed coat grain coverage make this a preferred product for the particle board and plywood industries. For wide belts only.

GX 533 JF: * Silicon Carbide grains resin-bonded to a new tough polyester/cotton blended backing with high flexibility and extra durability. Perfect on non-ferrous metals.

GX 712 JF: *** Aluminum oxide resin bonded to a new tough polyester/cotton blended backing with high flexibility and extra durability. A multibond lubricant is added for cooler grinding and better finishes on ferrous and non-ferrous metals.

* Add 5% to price shown
** Add 10% to price shown
*** Add 20% to price shown
**** Add 16% to price shown

Belt Size	Grit	Price Per Belt
25" x 48"	100+	\$75.50
	80	\$77.95
	60	\$81.85
	50	\$85.25
	40	\$89.05
	36	\$93.37
	24	\$102.14
25" x 60"	100+	\$86.18
	80	\$89.29
	60	\$94.14
	50	\$98.40
	40	\$103.14
	36	\$108.58
	24	\$119.50
25" x 75"	100+	\$99.55
	80	\$103.46
	60	\$109.48
	50	\$114.87
	40	\$120.74
	36	\$127.54
	24	\$141.22

Belt Size	Grit	Price Per Belt
30" x 103"	100+	\$148.91
	80	\$155.39
	60	\$165.35
	50	\$174.20
	40	\$183.77
	36	\$195.18
	24	\$217.47
36" x 60"	100+	\$123.44
	80	\$127.99
	60	\$134.94
	50	\$141.10
	40	\$147.93
	36	\$155.77
	24	\$171.48
36" x 75"	100+	\$142.56
	80	\$148.22
	60	\$156.91
	50	\$164.62
	40	\$173.16
	36	\$182.97
	24	\$202.59

Belt Size	Grit	Price Per Belt
37" x 60"	100+	\$130.29
	80	\$135.06
	60	\$142.44
	50	\$148.97
	40	\$156.11
	36	\$164.43
	24	\$180.98
37" x 75"	100+	\$150.42
	80	\$156.44
	60	\$165.61
	50	\$173.77
	40	\$182.70
	36	\$193.12
	24	\$213.83
43" x 75"	100+	\$173.93
	80	\$180.79
	60	\$191.43
	50	\$200.89
	40	\$211.11
	36	\$223.37
	24	\$247.30

Belt Size	Grit	Price Per Belt
50" x 103"	100+	\$246.73
	80	\$257.59
	60	\$274.15
	50	\$288.93
	40	\$305.15
	36	\$323.86
	24	\$361.29
52" x 75"	100+	\$213.12
	80	\$221.64
	60	\$234.66
	50	\$246.31
	40	\$259.05
	36	\$273.76
	24	\$303.21
52" x 103"	100+	\$266.39
	80	\$278.03
	60	\$295.91
	50	\$311.96
	40	\$329.37
	36	\$349.62
	24	\$389.98



Look Behind
the Scenes



Belt Joint

PAPER BELTS

PS 20: Primarily for grinding and polishing on metals, but also useful on leather. Closed coat, Aluminum Oxide, resin-resin bonded to heavy F-weight paper. Best for wide belts and stroke sanders.

PS 21: *** F-weight paper, fully resin-bonded, alumina zirconia grains. Ideal on steel and stainless steel plates. Also for use on stamped parts, final grinding of cast-iron housings, and some woodworking applications

PS 22 ACT: For grinding and polishing metals and for finish sanding on hardwoods and leather. F-weight paper backing, Aluminum Oxide closed coat resin-resin bond available in intermediate and wide belts.

PS 24 ACT: ** Fully resin-bonded Silicon Carbide material, F-weight paper backing. Works well for non-ferrous metal applications, sanding between coats of paint, lacquer, varnish, etc. in woodworking applications, or for finish sanding

of particle board or MDF. Available in wide belts, production belts, or stroke sanding belts.

PS 27W: † Silicon Carbide, open coat stearated on a D-weight backing for wide belts stroked sanding. Best suited for UV finishes or high gloss finishes in the woodworking industry.

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight

paper material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood.

PS 61: **** Ceramic Aluminum Oxide, F weight paper backing. Ceramic grains on a durable paper backing create a perfect combination of longevity and economy. Excellent intermediate and finishing properties for steel and stainless steel.

- ** Add 10% to final price
- *** Add 20% to final price
- **** Add 40% to final price
- † Add 50% to final price

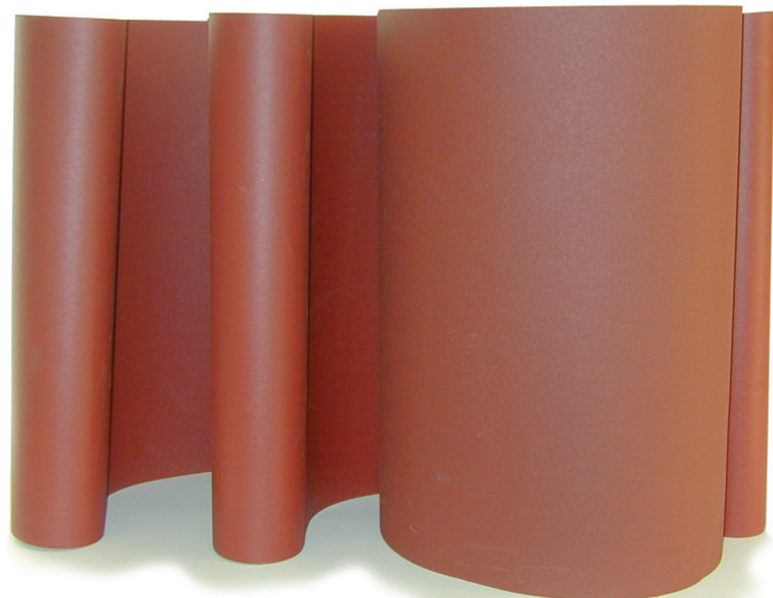
PS22F ACT 150 grit and finer is a great choice for hardwood. PS29F ACT 150 grit and finer is a great choice for softwood or a combination of hard and soft.

Width	Grit	Price Per Belt
19" x 48"	100+	\$52.43
	80	\$54.56
24" x 55"	100+	\$58.20
	80	\$60.66
24" x 60"	100+	\$60.43
	80	\$63.19
24" x 84"	100+	\$71.37
	80	\$75.32
25" x 48"	100+	\$56.55
	80	\$58.83
25" x 60"	100+	\$62.08
	80	\$64.94
25" x 75"	100+	\$69.05
	80	\$75.32
30" x 103"	100+	\$93.82
	80	\$99.49
36" x 60"	100+	\$86.24
	80	\$90.19
36" x 75"	100+	\$95.41
	80	\$100.38

Width	Grit	Price Per Belt
37" x 60"	100+	\$92.47
	80	\$96.61
37" x 75"	100+	\$102.49
	80	\$107.72
43" x 75"	100+	\$118.46
	80	\$124.47
50" x 103"	100+	\$158.86
	80	\$168.30
52" x 75"	100+	\$144.92
	80	\$152.34
52" x 103"	100+	\$171.43
	80	\$181.50
62" x 103"	100+	\$196.38
	80	\$208.00
64" x 103"	100+	\$202.57
	80	\$214.68



Wide Belt



The harder the contact wheel, the faster the cut and the coarser the finish. The smaller the contact wheel diameter, the faster the cut and the coarser the finish at the same SFPM (Surface Feet Per Minute).

FOR AVAILABLE MATERIALS SEE STANDARD SIZE CLOTH BELTS ON PREVIOUS PAGE

Width	Grit	Price Per Belt
1/2"	100+	\$0.0259
	80	\$0.0300
	60	\$0.0300
	50	\$0.0325
	40	\$0.0345
	36	\$0.0357
	24	\$0.0396
	Joining Charge	\$2.39
3/4"	100+	\$0.0377
	80	\$0.0396
	60	\$0.0433
	50	\$0.0447
	40	\$0.0482
	36	\$0.0520
	24	\$0.0590
	Joining Charge	\$2.39
1"	100+	\$0.0491
	80	\$0.0507
	60	\$0.0556
	50	\$0.0592
	40	\$0.0633
	36	\$0.0679
	24	\$0.0767
	Joining Charge	\$3.20
2"	100+	\$0.0941
	80	\$0.0989
	60	\$0.1071
	50	\$0.1143
	40	\$0.1222
	36	\$0.1310
	24	\$0.1502
	Joining Charge	\$3.20
3"	100+	\$0.1387
	80	\$0.1454
	60	\$0.1591
	50	\$0.1695
	40	\$0.1812
	36	\$0.1949
	24	\$0.2235
	Joining Charge	\$4.72
4"	100+	\$0.1833
	80	\$0.1945
	60	\$0.2104
	50	\$0.2254
	40	\$0.2403
	36	\$0.2593
	24	\$0.2968
	Joining Charge	\$6.30

Width	Grit	Price Per Belt
5"	100+	\$0.2283
	80	\$0.2408
	60	\$0.2632
	50	\$0.2808
	40	\$0.3009
	36	\$0.3239
	24	\$0.3692
	Joining Charge	\$7.81
6"	100+	\$0.2734
	80	\$0.2896
	60	\$0.3134
	50	\$0.3357
	40	\$0.3595
	36	\$0.3864
	24	\$0.4420
	Joining Charge	\$9.41
7"	100+	\$0.3187
	80	\$0.3370
	60	\$0.3658
	50	\$0.3914
	40	\$0.4187
	36	\$0.4512
	24	\$0.5148
	Joining Charge	\$10.94
8"	100+	\$0.3641
	80	\$0.3844
	60	\$0.4173
	50	\$0.4459
	40	\$0.4779
	36	\$0.5151
	24	\$0.5885
	Joining Charge	\$12.53
9"	100+	\$0.4081
	80	\$0.4319
	60	\$0.4690
	50	\$0.5015
	40	\$0.5370
	36	\$0.5781
	24	\$0.6618
	Joining Charge	\$14.08
12"	100+	\$0.5431
	80	\$0.5751
	60	\$0.6229
	50	\$0.6670
	40	\$0.7146
	36	\$0.7708
	24	\$0.8808
	Joining Charge	\$18.80
14"	100+	\$0.6380
	80	\$0.6760
	60	\$0.7344
	50	\$0.7846
	40	\$0.8415
	36	\$0.9062
	24	\$1.0370
	Joining Charge	\$22.07

Width	Grit	Price Per Belt
19"	100+	\$0.8657
	80	\$0.9163
	60	\$0.9941
	50	\$1.0648
	40	\$1.1409
	36	\$1.2291
	24	\$1.4049
	Joining Charge	\$29.97
25"	100+	\$0.9739
	80	\$1.0296
	60	\$1.1148
	50	\$1.1916
	40	\$1.2755
	36	\$1.3713
	24	\$1.5652
	Joining Charge	\$36.82
30"	100+	\$1.0651
	80	\$1.1277
	60	\$1.2243
	50	\$1.3105
	40	\$1.4046
	36	\$1.5135
	24	\$1.7318
	Joining Charge	\$39.23
36"	100+	\$1.2741
	80	\$1.3491
	60	\$1.4649
	50	\$1.5683
	40	\$1.6818
	36	\$1.8128
	24	\$2.0744
	Joining Charge	\$47.06
38"	100+	\$1.3432
	80	\$1.4229
	60	\$1.5457
	50	\$1.6548
	40	\$1.7734
	36	\$1.9123
	24	\$2.1880
	Joining Charge	\$49.69
42"	100+	\$1.4830
	80	\$1.5710
	60	\$1.7058
	50	\$1.8270
	40	\$1.9582
	36	\$2.1109
	24	\$2.4165
	Joining Charge	\$54.88
50"	100+	\$1.7608
	80	\$1.8662
	60	\$2.0273
	50	\$2.1708
	40	\$2.3278
	36	\$2.5095
	24	\$2.8729
	Joining Charge	\$65.39

Width	Grit	Price Per Belt
51"	100+	\$1.8314
	80	\$1.9401
	60	\$2.1069
	50	\$2.2562
	40	\$2.4207
	36	\$2.6090
	24	\$2.9872
	Joining Charge	\$67.92
52"	100+	\$1.9008
	80	\$2.0138
	60	\$2.1876
	50	\$2.3430
	40	\$2.5124
	36	\$2.7088
	24	\$3.1011
	Joining Charge	\$70.60
53"	100+	\$1.9008
	80	\$2.0138
	60	\$2.1876
	50	\$2.3430
	40	\$2.5124
	36	\$2.7088
	24	\$3.1011
	Joining Charge	\$70.60
54"	100+	\$1.9008
	80	\$2.0138
	60	\$2.1876
	50	\$2.3430
	40	\$2.5124
	36	\$2.7088
	24	\$3.1011
	Joining Charge	\$70.60
60"	100+	\$2.1095
	80	\$2.2355
	60	\$2.4291
	50	\$2.6006
	40	\$2.7890
	36	\$3.0073
	24	\$3.9641
	Joining Charge	\$78.40

PRICE CALCULATION FOR CUSTOM SIZE BELTS

1. Locate price according to width and grit size.
2. Multiply price by length in inches (if fraction, use next full inch).
3. Add **Joining Charge** in last column.
4. Multiply by applicable up charge, if necessary.
5. Rounding off to second decimal place equals retail price.

EXAMPLE:

CS 310 80 X 4" x 132" #4
 (1,2) \$.1945 x 132" = \$25.674
 (3) +6.30

 \$31.974
 (5) \$31.97

Call if you need assistance with a custom belt.



CS 409: ** Alumina Zirconia grain with a multi-bond additive on polyester backing for grinding high alloys such as titanium and metals like stainless steel where heat build-up is a problem.

CS 411 X: Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of

metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

CS 411YX, Y: Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

CS 416: * 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.

CS 811YY ACT: ** Alumina Zirconia resin-bonded to an extra heavy polyester backing for severe applications such as rough grinding of ferrous or non-ferrous castings, tubes

and rolls, forging and flame-cut parts, tools, turbine blades, and machine components. Performs wet or dry. Excellent grain adhesion with ACT Advanced Coating Technology.

* Add 10% to final price
** Add 20% to final price

Width	Grit	
1/2"	100+	\$0.0347
	80	\$0.0383
	60	\$0.0424
	50	\$0.0455
	40	\$0.0483
	36	\$0.0540
	24	\$0.0579
Joining Charge		\$2.33
5/8"	100+	\$0.0427
	80	\$0.0465
	60	\$0.0514
	50	\$0.0536
	40	\$0.0579
	36	\$0.0658
	24	\$0.0744
Joining Charge		\$2.33
3/4"	100+	\$0.0510
	80	\$0.0541
	60	\$0.0613
	50	\$0.0643
	40	\$0.0682
	36	\$0.0780
	24	\$0.0881
Joining Charge		\$2.33
1"	100+	\$0.0658
	80	\$0.0696
	60	\$0.0794
	50	\$0.0837
	40	\$0.0893
	36	\$0.1018
	24	\$0.1155
Joining Charge		\$3.11
2"	100+	\$0.1265
	80	\$0.1356
	60	\$0.1524
	50	\$0.1623
	40	\$0.1730
	36	\$0.1960
	24	\$0.2245
Joining Charge		\$3.11
3"	100+	\$0.1855
	80	\$0.1983
	60	\$0.2258
	50	\$0.2404
	40	\$0.2576
	36	\$0.2920
	24	\$0.3340
Joining Charge		\$4.59
4"	100+	\$0.2462
	80	\$0.2650
	60	\$0.2985
	50	\$0.3203
	40	\$0.3411

Width	Grit		
5"	36	\$0.3881	
	24	\$0.4441	
	Joining Charge		\$6.13
	100+	\$0.3070	
6"	80	\$0.3284	
	60	\$0.3723	
	50	\$0.3983	
	40	\$0.4267	
	36	\$0.4838	
	24	\$0.5531	
	Joining Charge		\$7.60
7"	100+	\$0.3673	
	80	\$0.3941	
	60	\$0.4448	
	50	\$0.4761	
	40	\$0.5105	
	36	\$0.5785	
	24	\$0.6609	
Joining Charge		\$9.16	
8"	100+	\$0.4285	
	80	\$0.4576	
	60	\$0.5186	
	50	\$0.5544	
	40	\$0.5948	
	36	\$0.6750	
	24	\$0.7703	
Joining Charge		\$10.65	
9"	100+	\$0.4889	
	80	\$0.5228	
	60	\$0.5916	
	50	\$0.6326	
	40	\$0.6786	
	36	\$0.7703	
	24	\$0.8797	
Joining Charge		\$12.19	
10"	100+	\$0.5485	
	80	\$0.5869	
	60	\$0.6653	
	50	\$0.7112	
	40	\$0.7624	
	36	\$0.8648	
	24	\$0.9894	
Joining Charge		\$13.71	
11"	100+	\$0.7299	
	80	\$0.7816	
	60	\$0.8839	
	50	\$0.9464	
	40	\$1.0143	
	36	\$1.1527	
	24	\$1.3179	
Joining Charge		\$18.30	
12"	100+	\$0.8580	
	80	\$0.9188	

Width	Grit		
13"	60	\$1.0423	
	50	\$1.1133	
	40	\$1.1941	
	36	\$1.3560	
	24	\$1.5510	
	Joining Charge		\$21.49
	100+	\$1.1636	
14"	80	\$1.2461	
	60	\$1.4106	
	50	\$1.5094	
	40	\$1.6185	
	36	\$1.8384	
	24	\$2.1018	
	Joining Charge		\$29.17
15"	100+	\$1.3497	
	80	\$1.4458	
	60	\$1.4519	
	50	\$1.5537	
	40	\$1.6655	
	36	\$1.8912	
	24	\$2.1637	
Joining Charge		\$35.85	
16"	100+	\$1.4307	
	80	\$1.5336	
	60	\$1.7369	
	50	\$1.8594	
	40	\$1.9929	
	36	\$2.2644	
	24	\$2.5905	
Joining Charge		\$38.19	
17"	100+	\$1.7122	
	80	\$1.8350	
	60	\$2.0779	
	50	\$2.2251	
	40	\$2.3863	
	36	\$2.7109	
	24	\$3.1026	
Joining Charge		\$45.82	
18"	100+	\$1.8051	
	80	\$1.9347	
	60	\$2.1926	
	50	\$2.3474	
	40	\$2.5308	
	36	\$2.8607	
	24	\$3.2732	
Joining Charge		\$48.38	
19"	100+	\$1.9930	
	80	\$2.1366	
	60	\$2.4202	
	50	\$2.5919	
	40	\$2.7789	
	36	\$3.1576	
	24	\$3.6147	
Joining Charge		\$53.43	

Width	Grit	
20"	100+	\$2.3670
	80	\$2.5376
	60	\$2.8758
	50	\$3.0797
	40	\$3.3023
	36	\$3.7543
	24	\$4.2976
Joining Charge		\$63.66
21"	100+	\$2.4611
	80	\$2.6379
	60	\$2.9897
	50	\$3.2016
	40	\$3.4335
	36	\$3.9016
	24	\$4.4684
Joining Charge		\$66.12
22"	100+	\$2.5549
	80	\$2.7385
	60	\$3.1035
	50	\$3.3241
	40	\$3.5646
	36	\$4.0516
	24	\$4.6387
Joining Charge		\$68.74
23"	100+	\$2.5549
	80	\$2.7385
	60	\$3.1035
	50	\$3.3241
	40	\$3.5646
	36	\$4.0516
	24	\$4.6387
Joining Charge		\$68.74
24"	100+	\$2.5549
	80	\$2.7385
	60	\$3.1035
	50	\$3.3241
	40	\$3.5646
	36	\$4.0516
	24	\$4.6387
Joining Charge		\$68.74
25"	100+	\$2.8356
	80	\$3.0398
	60	\$3.4454
	50	\$3.6896
	40	\$3.9579
	36	\$4.4986
	24	\$5.1504
Joining Charge		\$76.32



PS 20: Primarily for grinding and polishing on metals, but also useful on leather. Closed coat, Aluminum Oxide, resin-resin bonded to heavy F-weight paper. Best for wide belts and stroke sanders.

PS 21: *** F-weight paper, fully resin-bonded, alumina zirconia grains. Ideal on steel and stainless steel plates. Also for use on stamped parts, final grinding of cast-iron housings, and some woodworking applications

PS 22 ACT: For grinding and polishing metals and for finish sanding on hardwoods and leather. F-weight paper backing, Aluminum Oxide closed coat resin-resin bond available in intermediate and wide belts.

PS 24 ACT: ** Fully resin-bonded Silicon Carbide material, F-weight paper backing. Works well for non-ferrous metal applications, sanding between coats of paint, lacquer, varnish, etc. in woodworking applications, or for finish sanding

of particle board or MDF. Available in wide belts, production belts, or stroke sanding belts.

PS 27W: † Silicon Carbide, open coat steared on a D-weight backing for wide belts stroked sanding. Best suited for UV finishes or high gloss finishes in the woodworking industry.

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight

paper material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood.

PS 61: **** Ceramic Aluminum Oxide, F weight paper backing. Ceramic grains on a durable paper backing create a perfect combination of longevity and economy. Excellent intermediate and finishing properties for steel and stainless steel.

** Add 10% to final price
 *** Add 20% to final price
 **** Add 40% to final price
 † Add 45% to final price

PS22F ACT 150 grit and finer is a great choice for hardwood. PS29F ACT 150 grit and finer is a great choice for softwood or a combination of hard and soft.

CUSTOM SIZE PAPER BELTS

Width	Grit	
4"	100+	\$0.0956
	80	\$0.1049
	Joining Charge	\$6.65
6"	100+	\$0.1409
	80	\$0.1540
	Joining Charge	\$9.90
8"	100+	\$0.1862
	80	\$0.2039
	Joining Charge	\$13.17
12"	100+	\$0.2769
	80	\$0.3026
	Joining Charge	\$19.66
19"	100+	\$0.4379
	80	\$0.4821
	Joining Charge	\$31.43
25"	100+	\$0.4625
	80	\$0.5095
	Joining Charge	\$34.35

Width	Grit	
30"	100+	\$0.5114
	80	\$0.5663
	Joining Charge	\$34.35
36"	100+	\$0.6136
	80	\$0.6799
	Joining Charge	\$49.37
38"	100+	\$0.6713
	80	\$0.7415
	Joining Charge	\$52.11
42"	100+	\$0.7160
	80	\$0.7925
	Joining Charge	\$57.60
50"	100+	\$0.8767
	80	\$0.9684
	Joining Charge	\$68.54
51"	100+	\$0.9108
	80	\$1.0065
	Joining Charge	\$71.32

Width	Grit	
52"	100+	\$0.9456
	80	\$1.0434
	Joining Charge	\$74.09
54"	100+	\$0.9456
	80	\$1.0434
	Joining Charge	\$74.8
60"	100+	\$1.0472
	80	\$1.1572
	Joining Charge	\$82.22
61"	100+	\$1.0642
	80	\$1.1757
	Joining Charge	\$83.61
62"	100+	\$1.0812
	80	\$1.1950
	Joining Charge	\$84.96
63"	100+	\$1.0981
	80	\$1.2139
	Joining Charge	\$87.01

Width	Grit	
64"	100+	\$1.1150
	80	\$1.2329
	Joining Charge	\$87.744

PRICE CALCULATION FOR CUSTOM SIZE BELTS

1. Locate price according to width and grit size.
2. Multiply price by length in inches (if fraction, use next full inch).
3. Add **Joining Charge** in the last column.
4. Multiply by applicable up charge, if necessary.
5. Rounding off to second decimal place equals retail price.

EXAMPLE:
 PS 29 80F 6" x 274" #4

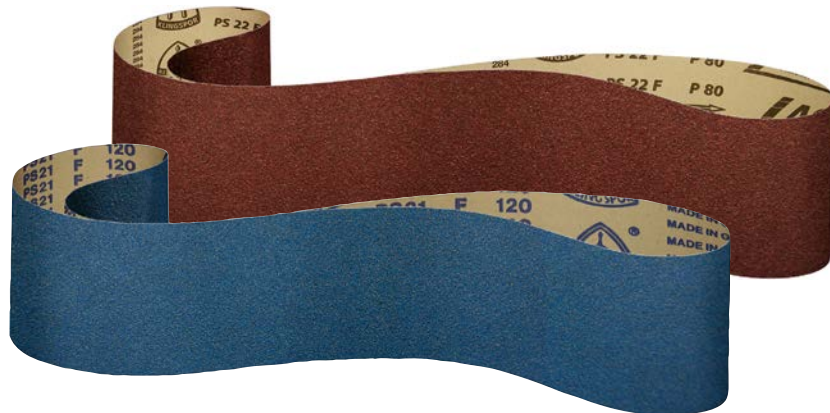
(1,2)	\$.1540 x 274 =	42.196
(3)		+ \$9.90
		<u>\$52.096</u>
(5)		\$52.10

Call if you need assistance.

The #1 joint is an overlap joint meant for paper belts 150 grit and finer. These belts would be used in the finish-sanding process.



Measuring a Belt



CS 631 XF/CS 931 JF: Ceramic Aluminum Oxide on either X-flex backing or very flexible J-flex backing. Perfect for use on steels of all types but specifically for hard steels and under high grinding pressure. Added multi-bond lubricant enhances grinding properties and reduces heat build-up.

CS 920 ACT: Ceramic Aluminum Oxide with multi-bond lubricant added to enhance the grinding properties and cool the grinding surface. Features a heavy polyester backing that enhances its durability while removing large amounts of stock. * = Add 10% to final price

CS 922 ACT: Ceramic Aluminum Oxide on our heaviest YY polyester backing for use on steels of all types and under high grinding pressure applications.

GX 931 JF: The new GX 931JF incorporates ceramic aluminum oxide grains and a multi-bond lubricant onto our newest backing. This

flexible J-Flex backing is a durable polyester combined with the flexibility of cotton making the perfect balance of longevity and softness. Ideal for robotic grinding applications and for use on contoured hard steel parts under high pressure.

Width	Grit	
1/2"	180-100	\$0.0595
	80	\$0.0675
	60	\$0.0741
	50	\$0.0791
	40	\$0.0868
	36	\$0.0942
5/8"	24	\$0.1035
	Joining Charge \$4.01	
	180-100	\$0.0734
	80	\$0.0821
	60	\$0.0894
	50	\$0.0940
3/4"	40	\$0.1047
	36	\$0.1150
	24	\$0.1264
	Joining Charge \$4.01	
	180-100	\$0.0874
	80	\$0.0952
1"	60	\$0.1071
	50	\$0.1121
	40	\$0.1240
	36	\$0.1356
	24	\$0.1491
	Joining Charge \$4.01	
1-1/4"	180-100	\$0.1149
	80	\$0.1206
	60	\$0.1392
	50	\$0.1469
	40	\$0.1628
	36	\$0.1785
1-1/2"	24	\$0.1962
	Joining Charge \$5.42	
	180-100	\$0.1441
	80	\$0.1507
	60	\$0.1688
	50	\$0.1806
1-3/4"	40	\$0.2000
	36	\$0.2195
	24	\$0.2417
	Joining Charge \$5.42	
	180-100	\$0.1643
	80	\$0.1786
4"	60	\$0.2011
	50	\$0.2157
	40	\$0.2386
	36	\$0.2615
	24	\$0.2875
	Joining Charge \$5.42	
5"	180-100	\$0.1953
	80	\$0.2057
	60	\$0.2324
	50	\$0.2493

Width	Grit	
2"	40	\$0.2764
	36	\$0.3033
	24	\$0.3337
	Joining Charge \$5.42	
2-1/4"	180-100	\$0.2163
	80	\$0.2358
	60	\$0.2652
	50	\$0.2827
2-1/2"	40	\$0.3128
	36	\$0.3428
	24	\$0.3771
	Joining Charge \$5.42	
3"	180-100	\$0.2424
	80	\$0.2631
	60	\$0.2978
	50	\$0.3172
3-1/2"	40	\$0.3507
	36	\$0.3840
	24	\$0.4225
	Joining Charge \$6.75	
4"	180-100	\$0.2694
	80	\$0.2917
	60	\$0.3298
	50	\$0.3526
4-1/2"	40	\$0.3893
	36	\$0.4260
	24	\$0.4692
	Joining Charge \$6.75	
5"	180-100	\$0.3186
	80	\$0.3456
	60	\$0.3946
	50	\$0.4193
5-1/2"	40	\$0.4648
	36	\$0.5102
	24	\$0.5613
	Joining Charge \$8.04	
6"	180-100	\$0.3720
	80	\$0.4046
	60	\$0.4561
	50	\$0.4894
6-1/2"	40	\$0.5419
	36	\$0.5943
	24	\$0.6533
	Joining Charge \$9.34	
7"	180-100	\$0.4225
	80	\$0.4627
	60	\$0.5202
	50	\$0.5581
7-1/2"	40	\$0.6178
	36	\$0.6773
	24	\$0.7456
	Joining Charge \$10.71	

Width	Grit	
4-1/2"	180-100	\$0.4754
	80	\$0.5196
	60	\$0.5861
	50	\$0.6259
5"	40	\$0.6937
	36	\$0.7615
	24	\$0.8376
	Joining Charge \$12.04	
5-1/2"	180-100	\$0.5268
	80	\$0.5733
	60	\$0.6508
	50	\$0.6950
6"	40	\$0.7699
	36	\$0.8445
	24	\$0.9291
	Joining Charge \$13.29	
6-1/2"	180-100	\$0.6302
	80	\$0.6878
	60	\$0.7763
	50	\$0.8310
7"	40	\$0.9200
	36	\$1.0087
	24	\$1.1098
	Joining Charge \$15.97	
7-1/2"	180-100	\$0.7353
	80	\$0.7992
	60	\$0.9058
	50	\$0.9678
8"	40	\$1.0732
	36	\$1.1782
	24	\$1.2964
	Joining Charge \$18.55	
8-1/2"	180-100	\$0.8392
	80	\$0.9125
	60	\$1.0325
	50	\$1.1051
9"	40	\$1.2248
	36	\$1.3450
	24	\$1.4795
	Joining Charge \$21.25	
9-1/2"	180-100	\$0.9413
	80	\$1.0250
	60	\$1.1608
	50	\$1.2410
10"	40	\$1.3754
	36	\$1.5099
	24	\$1.6609
	Joining Charge \$24.04	
10-1/2"	180-100	\$1.0445
	80	\$1.1398
	60	\$1.2883
	50	\$1.3790

Width	Grit	
12"	40	\$1.5282
	36	\$1.6772
	24	\$1.8447
	Joining Charge \$26.61	
12-1/2"	180-100	\$1.2527
	80	\$1.3644
	60	\$1.5435
	50	\$1.6527
13"	40	\$1.8325
	36	\$2.0122
	24	\$2.2133
	Joining Charge \$31.91	

PRICE CALCULATION FOR CUSTOM SIZE BELTS

1. Locate price according to width and grit size.
2. Multiply price by length in inches (if fraction, use next full inch).
3. Add **Joining Charge** in last column.
4. Multiply by applicable up charge, if necessary.
5. Rounding off to second decimal place equals retail price.

EXAMPLE:
 CS 922 60 Grit 3" x 24" #4
 (1,2) \$0.3946 x 24" = \$9.4704
 (3) +\$8.04
\$17.5104
 (5) \$17.51

Call if you need assistance with a custom belt.



Measuring a Belt

Polyester belts are washable, adding belt life. Be sure they are completely dry before reusing.

Convince your customer to buy belts in quantities to reach a 12" width threshold. For example: if the customer buys 3" wide belts, buying in multiples of 4 would be ideal or if the customer is buying 4" wide belts, buying in multiples of 3 is ideal.

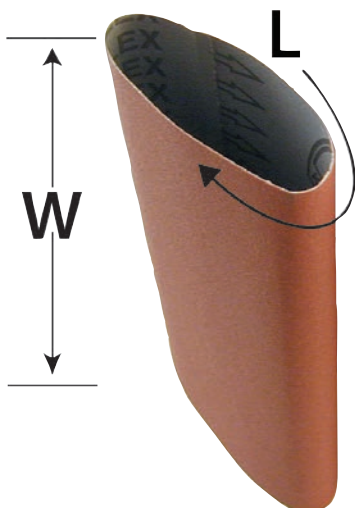


ALUMINUM OXIDE FLEXIBLE-BACKED MATERIAL

Approved pump sleeve materials LS309JF (Closed Coat), LS312JF (Lubricated), and LS318JF (Open Coat)

Standard Size dia. x width*	Standard Belt Size width x length	Grit	Price Per Sleeve
2" x 9"	9" x 7-15/32"	100+	\$4.04
		80	\$4.27
3" x 9"	9" x 10-5/8"	100+	\$5.74
		80	\$6.03
4" x 9"	9" x 13-3/4"	100+	\$7.45
		80	\$7.83
6" x 9"	9" x 20"	100+	\$10.00
		80	\$10.56
8" x 9"	9" x 26-5/16"	100+	\$14.20
		80	\$14.97
10" x 9"	9" x 32-7/8"	100+	\$17.78
		80	\$18.70
2" x 8"	8" x 7-15/32"	100+	\$3.71
		80	\$3.94
3" x 8"	8" x 10-5/8"	100+	\$5.15
		80	\$5.38
4" x 8"	8" x 13-3/4"	100+	\$6.52
		80	\$6.85
6" x 8"	8" x 20"	100+	\$8.59
		80	\$9.07
8" x 8"	8" x 26-5/16"	100+	\$11.63
		80	\$12.26
10" x 8"	8" x 32-7/8"	100+	\$14.23
		80	\$15.01
2" x 7"	7" x 7-15/32"	100+	\$3.71
		80	\$3.94
3" x 7"	7" x 10-5/8"	100+	\$5.15
		80	\$5.41
4" x 7"	7" x 13-3/4"	100+	\$6.51
		80	\$6.50
6" x 7"	7" x 20"	100+	\$8.59
		80	\$9.07
8" x 7"	7" x 26-5/16"	100+	\$11.65
		80	\$12.26
10" x 7"	7" x 32-7/8"	100+	\$14.20
		80	\$15.01

- Any pump sleeves under 10" in length will have a straight joint.
- Consider LS 318 as an open coat option for pump sleeves.



To measure a belt, cut it straight across the width, lay it out flat, and take accurate width X length measurements.

Any pump sleeve under 10" in length will have a straight joint.

l = length
w = width

PUMP DRUMS

Size	Item Number	NET PRICE
2" x 7" x 1"	PUMPDRUM2X7X25	\$309.51
2" x 9" x 3/4"	PUMPDRUM2X9X20	\$184.72
2" x 9" x 1"	PUMPDRUM2X9X25	\$184.72
3" x 9" x 1-1/4"	PUMPDRUM3X9X32	\$229.14
4" x 7" x 1-1/4"	PUMPDRUM4X7X32	\$229.14
4" x 9" x 1-1/4"	PUMPDRUM4X9X32	\$229.14
6" x 7" x 1-1/4"	PUMPDRUM6X7X32	\$285.03
6" x 9" x 1-1/4"	PUMPDRUM6X9X32	\$299.28
8" x 9" x 1-1/4"	PUMPDRUM8X9X32	\$420.87

NET PRICE PER EACH

Pump Drum Repair Kit - Kit includes screws, 1 tube of rubber adhesive, 1 roll of tape and 6 valves
#PUMPDRUMREPAIRKIT\$79.98

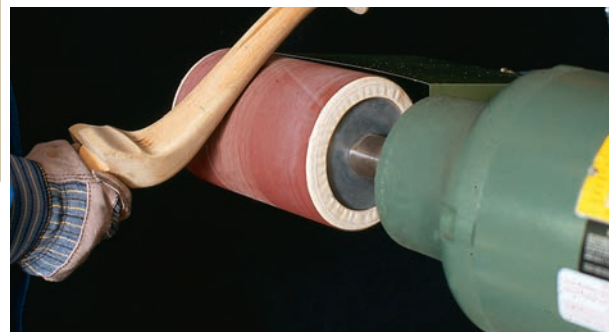
Pump Drum Valve Stem
#PUMPDRUMVALVESTEM\$18.39

PUMP DRUM BLADDERS

Size (dia x w)	Item Number	NET PRICE
2" x 9"	PUMPDRUMBLAD2X9	\$33.90
3" x 9"	PUMPDRUMBLAD3X9	\$40.92
4" x 9"	PUMPDRUMBLAD4X9	\$40.91
6" X 7"	PUMPDRUMBLAD6X7	\$58.45
6" X 9"	PUMPDRUMBLAD6X9	\$67.81
8" X 9"	PUMPDRUMBLAD8X9	\$81.83

ARBOR ADAPTERS

Size	Item Number	NET PRICE PER PAIR
1-1/4" - 1"	PUMPDRUMADAPT01	\$16.79
1-1/4" - 3/4"	PUMPDRUMADAPT02	\$16.79
1" - 3/4"	PUMPDRUMADAPT03	\$16.79
1-1/4" - 5/8"	PUMPDRUMADAPT04	\$16.79



DYNABRADE PNEUMATIC DRUM SLEEVES

Drum Size Dia x Width	Belt Size Width x Length
2-1/4" x 3"	3" x 7-3/8"
3" x 2-1/4"	2-1/4" x 9-3/4"
3-1/4" x 3"	3" x 10-11/16"
90mm x 100mm	4" x 11-3/8"
5" x 2-3/4"	2-3/4" x 15-1/2"
5" x 3-1/2"	3 1/2" x 15-1/2"

All Pneumatic Sleeves Have #4 Joint

WALTER PNEUMATIC DRUM SLEEVES

Drum Size Dia x Width	Belt Size Width x Length
5" x 3-1/2"	3-1/2" x 15-1/2"
3-1/2" x 5-3/8"	5-3/8" x 11-5/8"

UNITEC DRUM SLEEVES

Drum Size Dia x Width	Belt Size Width x Length
3-1/2" x 4"	4" x 11"

METABO DRUM SLEEVES

Drum Size Dia x Width	Belt Size Width x Length
3-9/16" x 4"	4" x 11-1/4" (pneumatic)
3-9/16" x 4"	4" x 11-1/8" (expander)

If you have chatter while using a pump drum, decrease the air pressure.

* J or JF belts not recommended on pneumatic & expander drums

CS 310: Aluminum Oxide, X or X-Flex cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 320: Silicon Carbide on Y-weight polyester backings. Excellent for wet applications on glass, plastic, and stainless steels where strength of polyester would be a benefit.

CS 321: Waterproof Silicon Carbide X-weight cloth resin bonded for grinding and polishing of glass, non-ferrous metals, plastics, stone, marble, grey cast iron, and titanium. Specially treated for use with water or water-based coolants.

CS 333: A versatile Silicon Carbide, fully resin bonded, X, J, or J-Flex cloth backings for grinding and polishing of non-ferrous metals, grinding and polishing of plastic, glass, rubber, fiberglass, stone, marble, and grey cast iron.

CS 409: Alumina Zirconia grain with a multi-bond additive on polyester backing for grinding high alloys such as titanium and metals like stainless steel where heat build-up is a problem.

CS 411 X; CS 411YX, Y: Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

CS 412: Aluminum Oxide, resin bonded, Y-weight (Y), and X-weight (YX), polyester-backings for use wet or dry on ferrous or non-ferrous metals. Also suitable for sanding hardwoods.

CS 416: 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.

CS 920 ACT: Ceramic Aluminum Oxide with multi-bond lubricant added to enhance the grinding properties and cool the grinding surface. Features a heavy polyester backing that enhances its durability while removing large amounts of stock.

CS 922 ACT: Ceramic Aluminum Oxide on our heaviest YY polyester backing for use on steels of all types and under high grinding pressure applications.

NWLS: This stiff scrim back nonwoven offers exceptional life while maintaining great cutting performance and a consistent scratch. NWLS is best suited for polishing, cleaning, and deburring stainless steels, steels, aluminum, and other non ferrous metals.

Check with Customer Relations for prices based on material type



Pump Sleeves 1



Pump Sleeves 2



Pump Sleeves 3



Pump Sleeves 4



Pump Sleeves 5



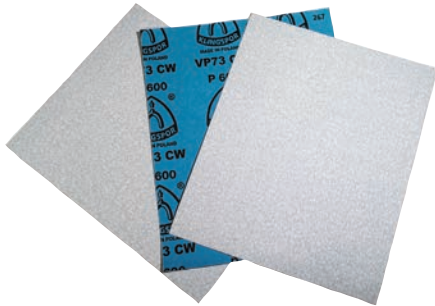
**PS 73W ALUMINUM OXIDE
STEARATE • B WEIGHT PAPER**



Aluminum Oxide resin-bond, B or C weight paper backing coated with a select mixture of stearates for even less loading than ever before! Useful on sanding of solid surface materials and bare wood on flat surfaces.

Size	Grit	Price Per Pack
9" x 11"	100+	\$86.28
50/Pack	80	\$94.90
4-1/2" x 11"	100+	\$97.79
100/Pack	80	\$109.27
3-2/3" x 9"	100+	\$66.17
100/Pack	80	\$74.74
4-1/2" x 5-1/2"	100+	\$48.87
100/Pack	80	\$51.79

**VP 73W ALUMINUM OXIDE
STEARATE LATEX PAPER**



Enhanced 73W material with a latex impregnated backing for longer edgewear and life. May be used anywhere the regular PS33 is found including bare wood, composite, marine and autobody. This material is not waterproof.

Size	Grit	Price Per Pack
9" x 11"	100+	\$86.28
50/Pack	80	\$94.90
4-1/2" x 11"	100+	\$97.79
100/Pack	80	\$109.27
3-2/3" x 9"	100+	\$66.17
100/Pack	80	\$74.74
4-1/2" x 5-1/2"	100+	\$48.87
100/Pack	80	\$51.79

**PS 33 ALUMINUM OXIDE
STEARATE • B/C WEIGHT PAPER**



Aluminum Oxide B or C-weight paper, resin-resin bond for bare wood sanding, autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials.

Size	Grit	Price Per Pack
9" x 11"	600B-150B	\$75.06
50/Pack	120C-100C	\$75.06
	80	\$82.52
	60	\$93.77
	40	\$117.51
4-1/2" x 11"	600B-150B	\$85.03
100/Pack	120C-100C	\$85.03
	80	\$95.03
	60	\$107.52
	40	\$135.03
3-2/3" x 9"	600B-150B	\$57.56
100/Pack	120C-100C	\$57.56
	80	\$65.02
	60	\$72.50
	40	\$90.02
4-1/2" x 5-1/2"	600B-150B	\$42.54
100/Pack	120C-100C	\$42.54
	80	\$45.03
	60	\$55.02
	40	\$67.54

**KL 371 EMERY CLOTH •
HEAVY COTTON CLOTH**



Grits P40 - P320 contain emery grain, a natural form of Aluminum Oxide, glue-glue bond, medium weight cloth similar to X-weight for general purpose grinding and polishing of metals. The lightweight cloth backing is similar to J-weight.

Size	Grit	Price Per Pack
9" x 11"	320-80	\$120.02
50/Pack	60-50	\$136.30
	40	\$157.59

**PS 11 SILICON CARBIDE
WATERPROOF • A/C WEIGHT
LATEX PAPER**



Waterproof Silicon Carbide, A and C-weight papers, resin-resin bonded and available in grits P60 - P2000. Use for sanding of furniture finishes such as varnish, lacquer, shellac, oil, polishing of glass, and in automotive body shops for final color sanding of paint.

Size	Grit	Price Per Pack
9" x 11"	2000A-220A	\$74.20
50/Pack	180C	\$80.38
	150C	\$85.30
	120C	\$90.25
	100C	\$103.81
	80C	\$118.65
	60C	\$139.71
4-1/2" x 11"	2000A-220A	\$84.06
100/Pack	180C	\$91.50
	150C	\$96.42
	120C	\$103.81
	100C	\$118.65
	80C	\$136.02
	60C	\$160.69
3-2/3" x 9"	2000A-220A	\$56.90
100/Pack	180C	\$61.83
	150C	\$66.77
	120C	\$69.18
	100C	\$79.10
	80C	\$91.50
	60C	\$106.29
4-1/2" x 5-1/2"	2000A-220A	\$39.55
100/Pack	180C	\$44.51
	150C	\$46.97
	120C	\$51.90
	100C	\$61.83
	80C	\$69.18
	60C	\$81.58



**PS 10 GARNET •
A/C/D WEIGHT 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. Sheets only.

Size	Grit	Price Per Pack
9" x 11" 50/Pack	220A	\$40.00
	180A	\$40.00
	150A	\$40.00
	120A	\$40.00
	100A	\$40.00
	80A	\$47.52

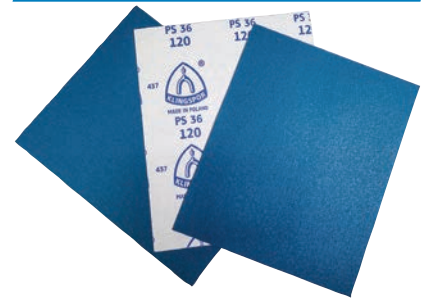
**FP 77 ALUMINUM OXIDE
FILM WITH TACT**



Aluminum Oxide on a 3 mil poly film in grits 320-2000. KLINGSPOR's proprietary coating technology makes this product the perfect choice when loading is an issue. Available in discs, sheets and rolls. FP 77 is waterproof.

Size	Grit	Price Per Pack
9" x 11" 50/Pack	320+	\$112.10

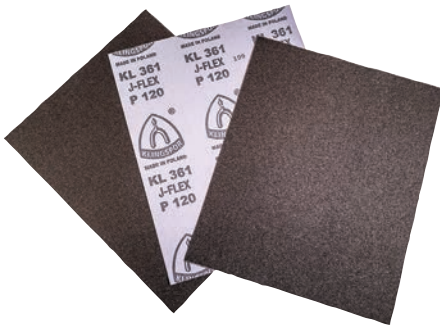
**PS 36 ALUMINA ZIRCONIA
STEARATE • C/D WEIGHT PAPER**



This C or D weight paper product from KLINGSPOR combines the effectiveness of Alumina Zirconia grains and a stearate coating with the leveling properties of paper. Excellent results can be achieved when sanding wood, metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product.

Size	Grit	Price Per Pack
9" x 11" 50/Pack	100C+	\$90.56
	80C	\$99.61
	60C	\$113.19
	40D	\$141.85
	36D	\$168.68
	4-1/2" x 11" 50/Pack	100C+
3-2/3" x 9" 100/Pack	80C	\$57.37
	60C	\$64.91
	40D	\$81.53
	36D	\$96.95
	100C+	\$69.46
4-1/2" x 5-1/2" 100/Pack	80C	\$78.46
	60C	\$87.52
	40D	\$108.68
	36D	\$129.24
	100C+	\$51.32
4-1/2" x 5-1/2" 100/Pack	80C	\$54.32
	60C	\$66.40
	40D	\$81.49
	36D	\$96.86

**KL 361 "PREMIUM" ALUMINUM
OXIDE CLOTH FLEXIBLE
COTTON CLOTH**



Aluminum Oxide J-flex cloth backing, resin-resin bonded for general purpose use on all metals or wood. Shop roll material.

Size	Grit	Price Per Pack
9" x 11" 50/Pack	100+	\$151.28
	80	\$161.28
	60	\$195.05
	40	\$226.30
4-1/2" x 11" 100/Pack	100+	\$175.07
	80	\$187.56
	60	\$225.13
3-2/3" x 9" 100/Pack	40	\$260.08
	100+	\$114.98
	80	\$122.55
4-1/2" x 5-1/2" 100/Pack	60	\$150.05
	40	\$172.56
	100+	\$87.52
4-1/2" x 5-1/2" 100/Pack	80	\$92.56
	60	\$112.53
	40	\$127.58



PS 35 LIGHTWEIGHT SILICON CARBIDE STEARATE • B WEIGHT PAPER



B-weight Silicon Carbide paper, resin bonded, open coat top-coated with Zinc Stearate dry lubricant. Suitable for sanding contoured surfaces or flat surfaces by hand, with sanding blocks, or on vibrating sanders. Ideal for sanding primer, paint, bare metal, and rust, or in woodworking, for sanding sealer, wash coats, bare softwoods and hardwoods, and between coats of furniture finishes.

Size	Grit	Price Per Pack
9" x 11"	120+	\$54.02
50/Pack	80	\$60.61
4-1/2" x 11"	120+	\$63.28
100/Pack	80	\$71.19
3-2/3" x 9"	120+	\$39.56
100/Pack	80	\$44.81
4-1/2" x 5-1/2"	120+	\$31.63
100/Pack	80	\$34.31

PL 31 OPEN COAT ALUMINUM OXIDE B WEIGHT PAPER



Aluminum Oxide open coat B weight paper material. Produces a soft consistent finish at a budget price.

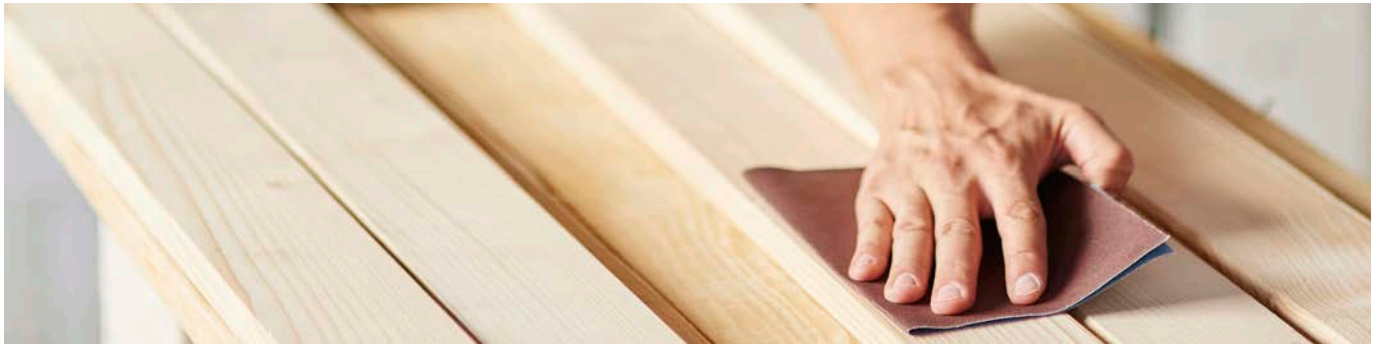
Size	Grit	Price Per Pack
9" x 11"	400-100B	\$37.96
50/Pack	80B	\$42.38
	60B	\$46.89
	40D	\$66.37

PSA SHEETS FOR POWER SHEET SANDERS - PS33



Aluminum Oxide B or C-weight paper, resin-resin bond for bare wood sanding, autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials.

Size	Grit	Price Per Pack
4-1/2" x 4-1/2"	100+	\$40.05
100/Roll	80	\$47.12
3-2/3" x 7"	100+	\$51.82
100/Roll	80	\$58.87
2-3/4" x 8"	100+	\$44.75
100/Roll	80	\$51.82
3" x 4-3/8"	100+	\$33.26
100/Roll	80	\$35.50



Make short work of body filler or metal with these popular-sized file board sheets.

PLAIN SHEETS
2-3/4" X 17-1/2"

Material	Grit	Box Qty	Price Per Box
PS 73W	150+	100	\$75.29
PS 33	150+	100	\$65.66
	120	100	\$65.66
	100	100	\$65.66
	80	50	\$36.76
	60	50	\$44.95
	40	50	\$49.82
PS 29	80	50	\$58.86
	60	50	\$66.86
	40	50	\$80.17
PS 20	36	25	\$44.36
PS 21	150+	50	\$65.66
	120	50	\$65.66
	100	50	\$65.66
	80	50	\$70.06
	40	50	\$94.77
	36	25	\$50.42
PS 36	150+	50	\$45.65
	120	50	\$45.65
	100	50	\$45.65
	80	50	\$50.49
	60	50	\$62.56
	40	50	\$69.36
36	25	\$36.87	

PSA SHEETS
2-3/4" X 16-1/2"

Material	Grit	Box Qty	Price Per Box
PS 73W	150+	50	\$57.70
PS 33	150+	50	\$50.42
	120	50	\$50.42
	100	50	\$50.42
	80	50	\$55.26
	60	50	\$62.48
	40	50	\$68.51
PS 29	80	50	\$75.68
	60	50	\$82.91
	40	50	\$88.91
PS 21	120	50	\$86.49
	100	50	\$86.49
	80	50	\$90.13
	60	50	\$99.73
	40	50	\$108.10
PS 36	150+	50	\$70.19
	120	50	\$70.19
	100	50	\$70.19
	80	50	\$76.91
	60	50	\$86.94
40	50	\$95.31	

KLING-ON® SHEETS
2-3/4" X 16-1/2"

Material	Grit	Box Qty	Price Per Box
PS 73W	150+	50	\$84.07
PS 33	150+	50	\$72.96
	120	50	\$72.96
	100	50	\$72.96
	80	50	\$79.15
	60	50	\$80.33
40	50	\$82.83	
PS 29	80	25	\$53.18
	60	25	\$59.37
	40	25	\$59.95

PS 20: Primarily for grinding and polishing on metals. Closed coat, Aluminum Oxide, resin-resin bonded to heavy F-weight paper. Best for wide belts and stroke sanders.

PS 21: F-weight paper, fully resin-bonded, alumina zirconia grains. Ideal on steel and stainless steel plates. Also for use on stamped parts, final grinding of cast-iron housings, and some woodworking applications

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight paper material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood.

PS 33: Aluminum Oxide B or C-weight paper, resin-resin bond for autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials. [Semi-Open Coat](#)

PS 36: This C or D weight paper product from KLINGSPOR combines the effectiveness of Alumina Zirconia grains and a stearate coating with the leveling properties of paper. Excellent results can be achieved when sanding metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product. [Semi-Open Coat](#)

PS 73W: Aluminum Oxide resin-bond, B or C weight paper backing coated with a select mixture of stearates for even less loading than ever before! Useful on sanding of solid surface materials and body fillers. [Semi-Open Coat](#)



SANDING BOARD

2.75" X 15"
Hook & Loop
FJ27515H.....\$90.63

2.75" X 15"
PSA
FJ27515V.....\$90.63



25 meter (27 yard) rolls available at 75% off prices shown • 50 meter (54-1/2 yard) rolls available at 50% off prices shown
 Shorter lengths in 10 meter increments available with a 15% up charge

CLOTH ROLLS 100 METERS - 109 YARD

CS 308: Our YX weight Aluminum Oxide material is a fully resin-bonded product that offers the benefits of a polyester backing in an X-weight. Use on ferrous or non-ferrous metals and on hardwoods. CS 308 has an extended grit range that allows for coarse to ultra-fine belt sanding and polishing.

LS 309: Aluminum Oxide, fully resin bonded, J or J-flex cotton cloth for polishing ferrous or non-ferrous metals and hardwoods where belt conformability to the work piece is required. Narrow belts and some intermediate belts. XH backing is for portable belts only.

CS 310: Aluminum Oxide, X cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 311 YX ACT: Aluminum Oxide, anti-static, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a problem and sanding of soft woods or mix of hard and soft woods.

LS 312: Aluminum Oxide, semi-open coat resin bonded with a special top coating to aid in cooling and to resist loading. Very flexible, J-Flex cloth backing for severely contoured workpieces. Best suited for polishing stainless steel and high alloy steels, other ferrous metals and non-ferrous metals.

LS 313: Aluminum Oxide, semi-open coat, highly flexible J-flex backing, fully resin-bonded with a dry lubricant to reduce heat and clogging on stainless steel, aluminum, and titanium grinding and finishing.

CS 320: Silicon Carbide on Y-weight polyester backings. Excellent for wet applications on glass, plastic, and stainless steels where strength of polyester would be a benefit.

CS 333: A versatile Silicon Carbide, fully resin bonded, J, or J-Flex cloth backings for grinding and polishing of non-ferrous metals, grinding and polishing of plastic, glass, rubber, fiber-glass, stone, marble, and grey cast iron.

CS 411 X*, Y****:** Alumina Zirconia resin-bonded, with backings available in both X-weight cloth (YX) or polyester cloth in Y-weight (Y) for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

CS 412: Aluminum Oxide, resin bonded, Y-weight (Y), and X-weight (YX), polyester-backings for use wet or dry on ferrous or non-ferrous metals. Also suitable for sanding hardwoods.

CS 710: Heat-treated Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable for polishing all ferrous metals and sanding on hardwoods.

- * Add 5% to final price
- ** Add 10% to final price
- *** 24-36 Grit - Add 40.32% to price shown
40-60 Grit - Add 33.10% to price shown
80 Grit - Add 27.56% to price shown
120 Grit - Add 27.56% to price shown
- **** 24-36 Grit - Add 57.15% to price shown
40-60 Grit - Add 49.71% to price shown
80 Grit - Add 46.05% to price shown
120 Grit - Add 31.14% to price shown

Width	Grit	Price Per Roll
1"	100+	\$140.26
	80	\$146.10
	60	\$160.27
	50	\$169.11
	40	\$180.30
	36	\$194.41
2"	24	\$220.38
	100+	\$269.30
	80	\$283.39
	60	\$306.38
	50	\$326.43
	40	\$349.42
3"	36	\$375.35
	24	\$429.55
	100+	\$395.35
	80	\$418.36
	60	\$455.49
	50	\$470.68
4"	40	\$518.49
	36	\$558.59
	24	\$638.74
	100+	\$523.83
	80	\$555.63
	60	\$601.00
5"	50	\$644.61
	40	\$687.07
	36	\$741.85
	24	\$847.87
	100+	\$652.89
	80	\$689.98
6"	60	\$750.06
	50	\$770.83
	40	\$801.93
	36	\$859.06
	24	\$1,056.46
	100+	\$781.91
8"	80	\$827.86
	60	\$896.22
	50	\$959.25
	40	\$1,028.21
	36	\$1,105.38
	24	\$1,262.72



PAPER ROLLS 100 METERS - 109 YARD

PS 20: Primarily for grinding and polishing on metals, but also useful on leather. Closed coat, Aluminum Oxide, resin-resin bonded to heavy F-weight paper. Best for wide belts and stroke sanders.

PS 21: F-weight paper, fully resin-bonded, alumina zirconia grains. Ideal on steel and stainless steel plates. Also for use on stamped parts, final grinding of cast-iron housings, and some woodworking applications. * Add 20% to price shown

PS 22 ACT: For grinding and polishing metals and for finish sanding on hardwoods and leather. F-weight paper backing, Aluminum Oxide closed coat resin-resin bond available in intermediate and wide belts.

PS 24 ACT: Fully resin-bonded Silicon Carbide material, F-weight paper backing. Works well for non-ferrous metal applications, sanding between coats of paint, lacquer, varnish, etc. in woodworking applications, or for finish sanding of particle board or MDF. Available in wide belts, production belts, or stroke sanding belts. * Add 10% to price shown

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight paper material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood.

Width	Grit	Price Per Roll
2"	100+	\$140.96
	80	\$154.80
	60	\$174.86
	50	\$198.33
	40	\$221.86
3"	100+	\$205.25
	80	\$224.18
	60	\$255.04
	50	\$288.87
	40	\$325.51
4"	100+	\$268.84
	80	\$295.79
	60	\$335.87
	50	\$379.44
	40	\$429.86
4-1/2"	100+	\$300.64
	80	\$329.31
	60	\$376.30
	50	\$426.44
	40	\$480.31
5"	100+	\$332.43
	80	\$362.83
	60	\$416.71
	50	\$473.39
	40	\$530.79
6"	100+	\$396.73
	80	\$433.29
	60	\$496.90
	50	\$564.60
	40	\$635.13



KLING-ON® ROLLS

PS 33

Size	Grit	Price Per Roll
2-3/4" x 10MT	40	\$31.19
	80	\$29.25
	100+	\$24.77
3-2/3" x 10MT	40	\$42.81
	80	\$39.91
	100+	\$39.59

PS 73W

Size	Grit	Price Per Roll
3-2/3" x 10MT	100+	\$34.95
4-1/2" x 10MT	100+	\$43.94

VP 73W

Size	Grit	Price Per Roll
3-2/3" x 10MT	100+	\$34.95
4-1/2" x 10MT	100+	\$43.94

PS 29 For Drum Sanding

Size	Grit	Price Per Roll
6" x 10MT	40	\$120.83
	60	\$93.72
	80	\$81.50
	100+	\$73.87

PS 36

Size	Grit	Price Per Roll
2-3/4" x 10MT	40	\$40.58
	80	\$37.55
3-2/3" x 10MT	100+	\$42.99
4-1/2" x 10MT	80	\$56.34
	100+	\$48.33

FP 77

Size	Grit	Price Per Roll
2-3/4" x 10MT	80-2000	\$37.03

10MT = APPROX 33 FEET

PS 33: Aluminum Oxide B or C-weight paper, resin-resin bond for bare wood sanding, autobody use, sanding of bare metal, primer, primer surfacer, between coats of paint, and sanding of solid surface materials. [Semi-Open Coat](#)

PS 73W: Aluminum Oxide resin-bond, B or C weight paper backing coated with a select mixture of stearates for even less loading than ever before! Useful on sanding of solid surface materials and bare wood on flat surfaces. [Semi-Open Coat](#)

VP 73W: Enhanced 73W material with a latex impregnated backing for longer edgewear and life. May be used anywhere the regular PS33 is found including bare wood, composite, marine and autobody. This material is not waterproof. [Semi-Open Coat](#)

PS 29 ACT: Aluminum Oxide open coat, resin-resin bond, F-weight paper material. Works well in any application where loading is a problem on soft woods or mix of hard and soft wood. [Open Coat](#)

PS 36: This C or D weight paper product from KLINGSPOR combines the effectiveness of Alumina Zirconia grains and a stearate coating with the leveling properties of paper. Excellent results can be achieved when sanding wood, metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product. [Semi-Open Coat](#)

FP 77: Aluminum Oxide on a C weight paper backing in grits 60-220, and on a 3 mil poly film (FP 77) in grits 80-2000. KLINGSPOR's proprietary coating technology makes this product the perfect choice when loading is an issue. Available in discs, sheets and rolls. FP 77 is waterproof. [Semi-Open Coat](#)



PSA ROLLS

PS 33

Size	Grit	Price Per Roll
2-3/4" x 10MT	40	\$23.98
	80	\$19.33
	100+	\$16.34
4-1/2" x 10MT	40	\$39.42
	80	\$31.57
	100+	\$29.22

PS 73W

Size	Grit	Price Per Roll
2-3/4" x 10MT	100+	\$18.79
4-1/2" x 10MT	100+	\$30.83

PS 29

Size	Grit	Price Per Roll
2-3/4" x 10MT	40	\$54.94
	60	\$42.10
	80	\$37.84
	100+	\$33.79
4-1/2" x 10MT	40	\$81.07
	60	\$62.22
	80	\$54.15
	100+	\$49.62

PS 36

Size	Grit	Price Per Roll
2-3/4" x 10MT	40	\$30.30
	60	\$24.43
	80	\$21.04
4-1/2" x 10MT	100+	\$20.68
	40	\$49.88
	80	\$37.01
100+	\$33.91	

10MT = APPROX 33 FEET

Standard KLINGSPOR roll lengths are 10, 25, 50, and 100 meters.



**PREMIUM SHOP ROLLS
- 50 YARD**

Not for use on drum sanders.



**KL 361 ALUMINUM OXIDE
FLEXIBLE COTTON CLOTH**

Aluminum Oxide J-flex cloth backing, resin-resin bonded for general purpose use on all metals or wood. Shop roll material.

Width	Grit	Price Per Roll
1"	100+	\$58.14
	80	\$60.92
	60	\$71.15
	50	\$76.49
	40	\$81.81
1-1/2"	100+	\$82.13
	80	\$84.50
	60	\$101.31
	50	\$107.40
	40	\$114.00
2"	100+	\$103.97
	80	\$109.16
	60	\$130.64
	50	\$146.08
	40	\$151.92
3"	100+	\$153.15
	80	\$161.21
	60	\$174.06
	50	\$186.96
	40	\$201.46
4"	100+	\$204.16
	80	\$214.92
	60	\$232.13
	50	\$249.27
	40	\$268.64
6"	100+	\$306.65
	80	\$322.78
	60	\$348.61
	50	\$374.42
	40	\$403.50

Intermediate widths use next higher list price.
Widths up to 12" available. Call for pricing.



**KL 361 JF
Shop Rolls**



LIFE

SMT 950 T-XL TITAN

- Alumina Zirconia Grain
- 20% more flaps for our thickest disc!
- Offered in angled or flat for diverse applications.
- Our Longest Lasting Flap Disc
- High Level of aggression
- Best suited for use on high powered grinders

FINISHING

SMT 850 T TITAN

- Best results are achieved with a variable speed grinder
 - Combination of coated and non-woven abrasives
 - Coated abrasive with multibond lubricant allows for cooler finishing on stainless
 - Produces a beautiful satin finish

SMT 800 T TITAN

- Full non-woven abrasive flap disc
- Perfect for satin finishes on stainless
- Best results are achieved with a variable speed grinder

SMT 975 T TITAN

- Newly developed ceramic grain
- High level of aggression for faster cutting and high removal rates
- Best suited for use on high-powered grinders

SMT 636 T TITAN

- Runs cooler for grinding on stainless steel
- Alumina Zirconia treated with multiband lubricant
- Reduced clogging and loading associated with heat build-up

SMT 624 T TITAN

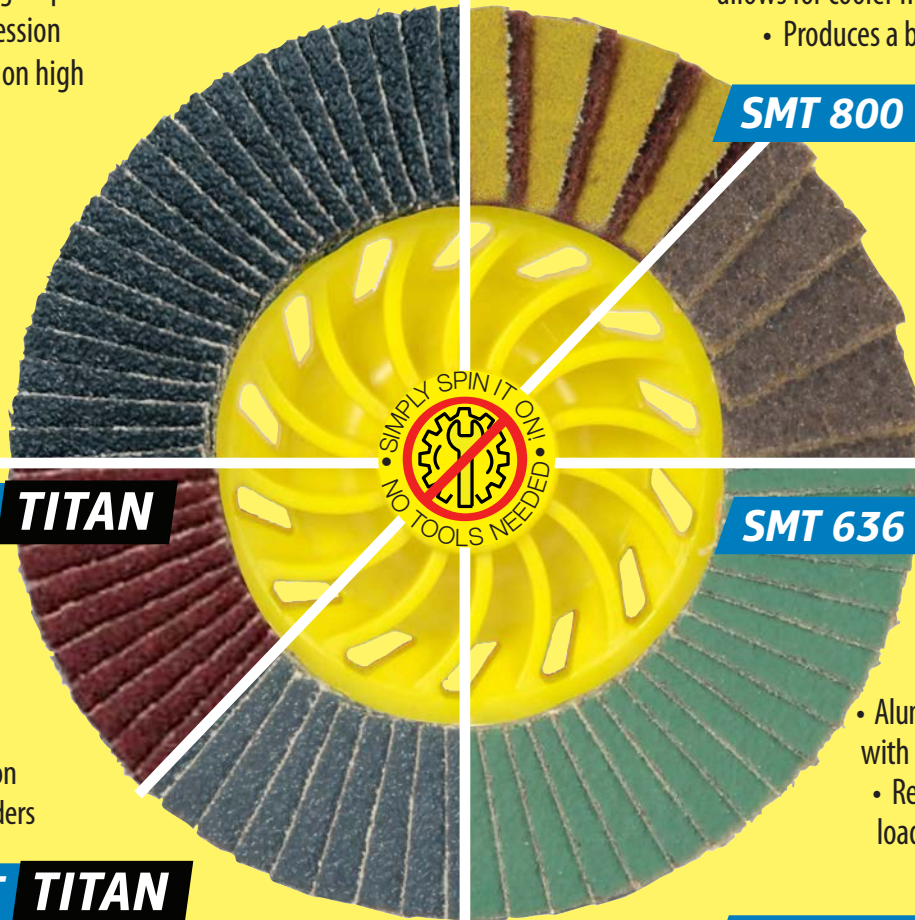
- Alumina Zirconia
- High level of aggression
- Well suited for use on high-powered grinders
- Angled for effective grinding of welds, contoured surfaces, and edges

SMT 996 T TITAN

- Ceramic grain with multibond lubricant
- Stable grinding temperatures during heavy grinding
 - Ideal for high-pressure applications and high-powered grinders
 - Aggressive grinding for most demanding applications on stainless

SMT 924 T TITAN

- Newly developed ceramic grain
- High level of aggression for faster cutting and high removal rates
- Best suited for use of high-powered grinders



AGGRESSION

STAINLESS STEEL



SMT TITAN

ADVANTAGES

- **LONGEVITY:** Largest advantage is the longevity of the discs compared to a standard SMT. The unique design of the trimmable discs allows the user to utilize the entirety of the flaps, giving much longer life. The hard to reach middle section of the flaps often go unused, and with the trimmable backing, the user simply has to trim the edge back and
- **QUICK CHANGE:** Easy and quick disc change. The discs include a built in 5/8"-11 threaded arbor for quick and easy mounting.
- **COOL RUN:** The ability to run cooler. The unique fan shape of the backing allows the disc to run cooler, giving the disc more life.
- Firm plastic backing plate allows for more aggression when needed.

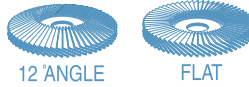
MARKETS

- Fab shops
- Production shops
- Oil & Gas
- Autobody/ Restoration shops
- Stainless shops and welder



The Titan

SMT 624 T TITAN

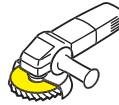


SPECIFICATIONS

- Alumina Zirconia
- High level of aggression
- Angled for effective grinding of welds, contoured surfaces, and edges
- Well suited for use on high-powered grinders

APPLICATIONS

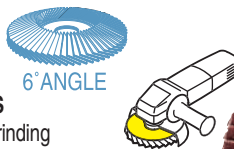
- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel



MAXIMUM RPM'S: 13,300

Diameter	Bore Size	Grit	Availability	Price Per Each
4-1/2"	5/8"-11	120	Flat	\$10.58
10/Box	5/8"-11	80	Convex or Flat	\$10.58
	5/8"-11	60	Convex or Flat	\$10.58
	5/8"-11	40	Convex or Flat	\$10.58
	5/8"-11	36	Convex	\$10.58

SMT 924 T TITAN



SPECIFICATIONS

- Most aggressive Titan
- High level of aggression for faster cutting and high removal rates
- Best suited for use on high-powered grinders

APPLICATIONS

- Weld seam grinding
- Edge grinding and beveling
- Universal for metals and steels



MAXIMUM RPM'S: 5,500

Diameter	Bore Size	Grit	Availability	Price Per Each
4-1/2"	5/8"-11	36	Convex	\$12.46
10/Box				

SMT 636 T TITAN

MAX RPM'S: 13,300

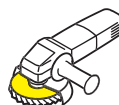


SPECIFICATIONS

- Alumina Zirconia treated with multiband lubricant
- Runs cooler for grinding on stainless steel
- Reduced clogging and loading associated with heat build-up

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals



Diameter	Bore Size	Grit	Price Per Each
4-1/2"	5/8"-11	80	\$12.11
10/Box	5/8"-11	60	\$12.11
	5/8"-11	40	\$12.11



MOUNT BY SIMPLY SPINNING IT ON! NO TOOLS OR MOUNTING NUT NEEDED!

SMT TITAN

SMT 996 T TITAN

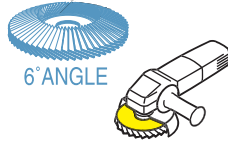
**MAX RPM'S:
13,300**

SPECIFICATIONS

- Ceramic grain with multibond lubricant
- Aggressive grinding for most demanding applications on stainless
- Stable grinding temperatures during heavy grinding
- Ideal for high-pressure applications and high-powered grinders

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel



Diameter	Bore Size	Grit	Price Per Each
4-1/2"	5/8"-11	80	\$13.61
10/Box	5/8"-11	60	\$13.61
	5/8"-11	40	\$13.61

SMT 975 TITAN

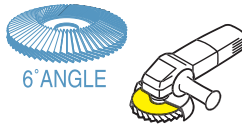
**MAX RPM'S:
13,300**

SPECIFICATIONS

- Newly developed ceramic grain
- High level of aggression for faster cutting and high removal rates
- Best suited for use on high-powered grinders

APPLICATIONS

- Weld seam grinding
- Edge grinding and beveling
- Universal for metals and steels



Diameter	Bore Size	Grit	Price Per Each
4-1/2"	5/8"-11	80	\$12.11
10/Box	5/8"-11	60	\$12.11
	5/8"-11	40	\$12.11



SMT 950 T-XL TITAN

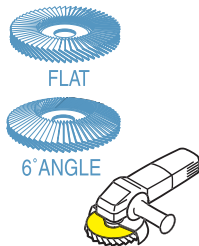
**MAX RPM'S:
13,300**

SPECIFICATIONS

- Alumina Zirconia Grain
- 20% more flaps for our thickest disc!
- Our Longest Lasting Flap Disc
- High Level of aggression
- Offered in angled or flat for diverse applications.
- Best suited for use on high powered grinders

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel



Jumbo Titan

How to Trim a Titan

Diameter	Bore Size	Grit	Price Per Each
4-1/2"	5/8"-11	120	\$13.02
10/Box	5/8"-11	80	\$13.02
	5/8"-11	60	\$13.02
	5/8"-11	40	\$13.02



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SMT 850 T TITAN



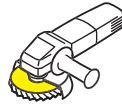
12° ANGLE

SPECIFICATIONS

- Combination of coated and non-woven abrasives
- Coated abrasive with multibond lubricant allows for cooler finishing on stainless
- Produces a beautiful satin finish
- Best results are achieved with a variable speed grinder

APPLICATIONS

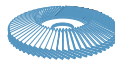
- Finish grinding on flat and contoured surfaces
- Weld seam work
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals



Diameter	Bore Size	Grit	Color	Price Per Each
4-1/2"	5/8"-11	very fine	green	\$24.79
5/Box	5/8"-11	medium	maroon	\$24.79
	5/8"-11	coarse	brown	\$24.79

**MAX RPM = 13,300
RECOMMENDED RPM 7,000**

SMT 800 T TITAN



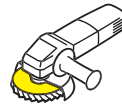
12° ANGLE

SPECIFICATIONS

- Full non-woven abrasive flap disc
- Perfect for satin finishes on stainless
- Best results are achieved with a variable speed grinder

APPLICATIONS

- Rust & varnish removal
- Heat tinting and oxide film removal
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals



Diameter	Bore Size	Grit	Color	Price Per Each
4-1/2"	5/8"-11	very fine	green	\$20.60
5/Box	5/8"-11	medium	maroon	\$20.60
	5/8"-11	coarse	brown	\$20.60

**MAX RPM = 13,300
RECOMMENDED RPM 7,000**

MINI FLAP DISCS

Mini Flap Discs are ideal for removal and blending in tight hard to reach areas. These are offered in a QRC disc for fast and convenient changeover. Mini Flap Discs are available in 2" and 3" discs, both Zirconia and Ceramic materials.



ZIRCONIA

Diameter	Grit	Item Number	Max RPM	Price Per Each
2"	120	MINISMT2ZR120	30,000	\$2.76
	80	MINISMT2ZR80	30,000	\$2.76
	60	MINISMT2ZR60	30,000	\$2.76
	40	MINISMT2ZR40	30,000	\$2.76
3"	36	MINISMT2ZR36	30,000	\$2.76
	120	MINISMT3ZR120	20,000	\$3.38
	80	MINISMT3ZR80	20,000	\$3.38
	60	MINISMT3ZR60	20,000	\$3.38
10/Box	40	MINISMT3ZR40	20,000	\$3.38
	36	MINISMT3ZR36	20,000	\$3.38

CERAMIC

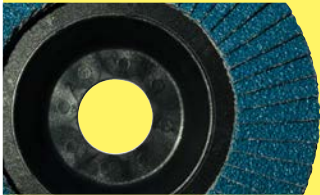
Diameter	Grit	Item Number	Max RPM	Price Per Each
2"	80	MINISMT2CR80	30,000	\$3.65
	60	MINISMT2CR60	30,000	\$3.65
	40	MINISMT2CR40	30,000	\$3.65
	36	MINISMT2CR36	30,000	\$3.65
3"	80	MINISMT3CR80	20,000	\$4.45
	60	MINISMT3CR60	20,000	\$4.45
	40	MINISMT3CR40	20,000	\$4.45
	36	MINISMT3CR36	20,000	\$4.45



SMT

How to Choose

PRICE & PERFORMANCE



SMT 325

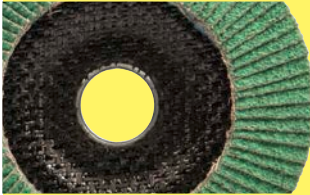
- Alumina Zirconia
- Aggressive grinding of steel
- Works well on low powered angle grinders.
- Won't glaze or load in low pressure situations

STAINLESS STEEL



SMT 636

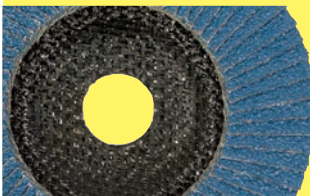
- Alumina Zirconia treated with a Multibond Lubricant
- Runs cooler for grinding on stainless
- Reduced clogging and loading associated with heat build up



SMT 976

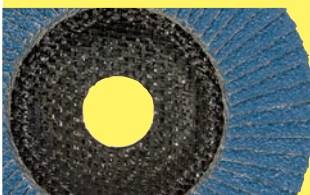
- Newly developed Ceramic Grain with a Multibond Lubricant
- Aggressive disc for the most demanding applications on Stainless
- Stable grinding temperatures even during heavy grinding
- High pressure applications and high powered angle grinders

LIFE



SMT 926

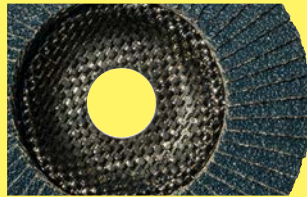
- Alumina Zirconia
- High service life and aggression
- Engineered for extended life on the rough working of steel
- Well suited for grinding on high powered angle grinders



SMT 950

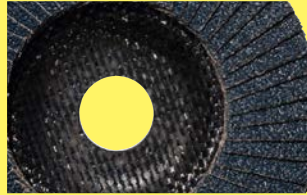
- Jumbo Alumina Zirconia
- Double sized flaps
- Long service life in heavy pressure applications
- Flat orientation makes this ideal for working large surface areas

AGGRESSION



SMT 624

- Alumina Zirconia
- Rapid material removal
- Angled for working contoured surfaces and edges
- Well suited for high powered grinders



SMT 628

- Alumina Zirconia
- High stock removal applications
- Flat design allows a wider grinding profile making quick time on surface work
- Well suited for high powered grinders



SMT 674

- Newly developed Ceramic Grain
- High level of aggression for faster cutting and high removal rates
- Best suited for use on high-powered grinders



SMT 940

- Alumina Zirconia
- Aggressive removal
- Flat design allows a wider grinding profile making it ideal for working flat surfaces
- Well suited for high powered grinders



SMT 974

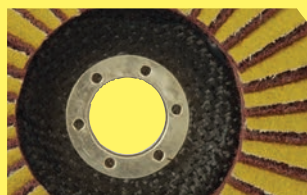
- Newly developed Ceramic Grain
- Aggressive removal for the most rigorous grinding
- Designed to hold up to demanding edge work without breaking down or shedding
- Premium aggression disc for high powered grinders

FINISHING



SMT 850

- Full non-woven flap disc
- Used for finishing applications on stainless
- Great for creating satin finishes on stainless steel
- Works best on variable speed grinders



SMT 800

- Combination coated and non-woven
- Removal and finishing in one flap disc
- Engineered for the machining of TIG welds on stainless steel
- Creates an even finish throughout the life of the disc



SMT 325 EXTRA

SPECIFICATIONS

- Aluminum Zirconia
- Grinding of non-ferrous metals, mild steels, and painted surfaces
- Designed to maintain removal levels on low-powered tools

APPLICATIONS

- Finish grinding on flat surfaces
- Edge work and beveling
- Universal metal & steel
- Stainless Steel



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	13,300	\$8.53
10/Box	7/8"	60	13,300	\$8.53
	7/8"	40	13,300	\$8.53



SMT 624 SUPRA



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	120	13,300	\$6.75
10/Box	7/8"	80	13,300	\$6.75
	7/8"	60	13,300	\$6.75
	7/8"	50	13,300	\$6.75
	7/8"	40	13,300	\$6.75
	7/8"	36	13,300	\$6.75
6"	7/8"	80	10,500	\$11.66
10/Box	7/8"	60	10,500	\$11.66
	7/8"	40	10,500	\$11.66
7"	7/8"	80	8,500	\$14.33
10/Box	7/8"	60	8,500	\$14.33
	7/8"	40	8,500	\$14.33
	7/8"	36	8,500	\$14.33



SPECIFICATIONS

- Alumina Zirconia
- High level of aggression
- Angled for effective grinding of welds, contoured surfaces, & edges
- Well suited for use on high-powered grinders

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel



Flap Discs

SMT 628 SUPRA



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	120	13,300	\$6.75
10/Box	7/8"	80	13,300	\$6.75
	7/8"	60	13,300	\$6.75
	7/8"	40	13,300	\$6.75
	7/8"	36	13,300	\$6.75
	7/8"	24	13,300	\$6.75
7"	7/8"	120	8,500	\$14.33
10/Box	7/8"	80	8,500	\$14.33
	7/8"	60	8,500	\$14.33
	7/8"	50	8,500	\$14.33
	7/8"	40	8,500	\$14.33
	7/8"	36	8,500	\$14.33
	7/8"	24	8,500	\$14.33



SPECIFICATIONS

- Alumina Zirconia
- For high stock removal applications
- Flat design allows a wider grinding profile on larger flat surfaces

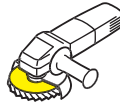
- Well suited for high-powered grinders

APPLICATIONS

- Finish grinding on flat surfaces
- Universal metal & steel
- Stainless steel/High alloy stainless steel



SMT 636 SUPRA



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	13,300	\$11.22
10/Box	7/8"	60	13,300	\$11.22
	7/8"	40	13,300	\$11.22
	7/8"	36	13,300	\$11.22
7"	7/8"	80	8,500	\$19.67
10/Box	7/8"	40	8,500	\$19.67



SPECIFICATIONS

- Alumina Zirconia with Multibond Lubricant
- High level of aggression
- Angled for effective grinding of welds, contoured surfaces, & edges
- Well suited for use on high-powered grinders

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel

SMT 674 SUPRA



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	12,200	\$10.37
10/Box	7/8"	60	12,200	\$10.37
	7/8"	40	12,200	\$10.37

SPECIFICATIONS

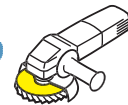
- Newly developed ceramic grain
- High level of aggression for faster cutting and high removal rates
- Best suited for use on high-powered grinders

APPLICATIONS

- Weld seam grinding
- Edge grinding and beveling
- Universal for metals and steels



SMT 974 SPECIAL



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	13,300	\$11.20
10/Box	7/8"	60	13,300	\$11.20
	7/8"	40	13,300	\$11.20

SPECIFICATIONS

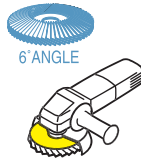
- Newly developed ceramic grain
- Aggressive removal for the most rigorous grinding
- Designed for aggressive edge grinding without shedding
- Premium disc for high powered grinders

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel



SMT 926 SPECIAL



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	13,300	\$11.22
10/Box	7/8"	60	13,300	\$11.22
	7/8"	40	13,300	\$11.22



SPECIFICATIONS

- Alumina Zirconia
- Long service life
- Engineered for long life on rough steel work
- Well suited for use on high-powered grinders

APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel

SMT 940 SPECIAL



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	5/8"-11	80	13,300	\$9.81
10/Box	5/8"-11	60	13,300	\$9.81
	5/8"-11	50	13,300	\$9.81
	5/8"-11	40	13,300	\$9.81
	5/8"-11	36	13,300	\$9.81
	5/8"-11	24	13,300	\$9.81



SPECIFICATIONS

- Alumina Zirconia
- Built in 5/8"-11 threaded center
- Firm, flat backing plate for aggressive grinding of flat surfaces
- Well suited for use on high-powered grinders

APPLICATIONS

- Finish grinding on flat surfaces
- Universal metal & steel
- Stainless steel/High alloy stainless steel

SMT 950 JUMBO SPECIAL

Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	13,300	\$11.22
10/Box	7/8"	60	13,300	\$11.22
	7/8"	40	13,300	\$11.22
	7/8"	36	13,300	\$11.22



SPECIFICATIONS

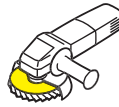
- Jumbo thickness Alumina Zirconia
- Double-sized flaps
- Long service life in high-pressure applications
- Flat design allows a wider grinding profile on larger flat surfaces

APPLICATIONS

- Finish grinding on flat surfaces
- Universal metal & steel
- Stainless steel/High alloy stainless steel



SMT 976 SPECIAL



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	80	13,300	\$11.77
10/Box	7/8"	60	13,300	\$11.77
	7/8"	40	13,300	\$11.77

SPECIFICATIONS

- Newly developed Ceramic grain with multibond lubricant
- Aggressive grinding for most demanding applications on stainless
- Stable grinding temperatures during heavy grinding
- Ideal for high-pressure applications and high-powered grinders

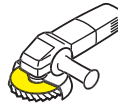
APPLICATIONS

- Weld seam work
- Edge work/beveling
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Non-ferrous metals



EVOLUTION

SMT 800 SPECIAL



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	Coarse	7,000	\$19.10
5/Box	7/8"	Medium	7,000	\$19.10
	7/8"	Very Fine	7,000	\$19.10

SPECIFICATIONS

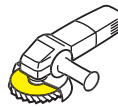
- Full non-woven abrasive flap disc
- Perfect for satin finishes on stainless
- Best results are achieved with a variable speed grinder

APPLICATIONS

- Rust & varnish removal
- Heat tinting and oxide film removal
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals



SMT 850 SPECIAL



Diameter	Bore Size	Grit	Max RPM	Price Per Each
4-1/2"	7/8"	Coarse	7,000	\$22.99
5/Box	7/8"	Medium	7,000	\$22.99
	7/8"	Very Fine	7,000	\$22.99

SPECIFICATIONS

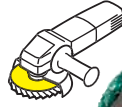
- Combination of coated abrasives and non-woven abrasives
- Coated abrasive with multibond lubricant allows for cooler finishing on stainless
- Produces a beautiful satin finish
- Best results are achieved with a variable speed grinder

APPLICATIONS

- Finish grinding on flat and contoured surfaces
- Weld seam work
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals



NCD 200HD SPECIAL



POWER WHEEL

Diameter	Bore Size	Max RPM	Price Per Each
4-1/2"	7/8"	10,450	\$21.39
5/Box			

SPECIFICATIONS

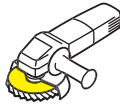
- Ceramic Coated Aluminum Oxide
- Heavy duty
- Non-clogging due to open structure

APPLICATIONS

- Rust and mill scale removal
- Aggressive cleaning of paint, varnishes or other surface coatings
- Performs well on all metals, stainless steel and plastics



NCD 200 SPECIAL



POWER WHEEL

Diameter	Bore Size	Max RPM	Price Per Each
4-1/2"	7/8"	10,450	\$16.42
5/Box			

SPECIFICATIONS

- Special Silicon Carbide Non-woven web
- High edge strength
- Non-clogging due to open structure

APPLICATIONS

- Rust and mill scale removal
- Aggressive cleaning of paint, varnishes or other surface coatings
- Performs well on all metals, stainless steel and plastics



Grinding vs Fibre vs SMT



Flap Discs



Evolution



Simply affix the die-cast backing plate to your angle grinder using a standard locking nut and leave it there. Then the CMT "loadings" are locked into place with a quick turn of the wrist. No tools are necessary to accomplish the task, which only takes seconds. When a new grinding surface is needed or when grits need to be changed, twist the CMT off and put a new one on. No more fumbling with the grinder's locking nut each time - twist on, twist off. Choose Klingspor's CMTs for high production settings to reduce downtime or diverse applications in a job shop. **Maximum RPM 12,000.**

CMT 726 - ALUMINA ZIRCONIA



Diameter	Grit	Price Per Each
4-1/2"	120	\$7.75
10/Box	80	\$7.75
	60	\$7.75
	40	\$7.75

CMT 730 - MULTIBOND ALUMINA ZIRCONIA



Diameter	Grit	Price Per Each
4-1/2"	80	\$9.00
10/Box	60	\$9.00
	40	\$9.00

CMT 728 - ALUMINA ZIRCONIA



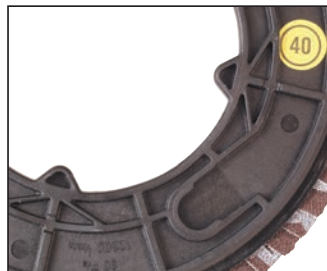
Diameter	Grit	Price Per Each
4-1/2"	120	\$7.75
10/Box	80	\$7.75
	60	\$7.75
	40	\$7.75

CMT 800 - NON WOVEN



Diameter	Grit	Price Per Each
4-1/2"	Coarse	\$14.60
5/Box	Medium	\$14.60
	Very Fine	\$14.60

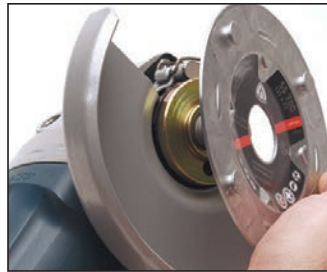
RECOMMENDED RPM 7,000 RPM



Special "channels" ensure that the CMT is securely locked in place.



The steel CMT backing plate.



Place the backing plate on your angle grinder.



CMT backing plate on angle grinder.



4-1/2" BACKING PLATE:
555CMTBACKPLATE115..... \$8.88



ADJUSTABLE SPANNER WRENCH
#BPS900001.....\$21.95



Use your standard locking nut to fasten the backing plate in place. (note: tighten locking nut with spanner wrench. Do not hand tighten)



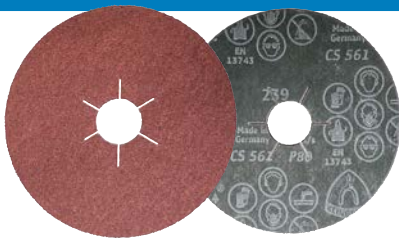
Match the CMT "loading" to the backing plate.



CMT



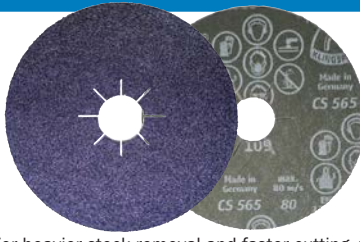
CS 561 ALUMINUM OXIDE



These aluminum oxide discs are perfect for most metal grinding applications where major stock removal is NOT necessary.

Diameter	Grit	Price Per Box
4" x 5/8"	80+	\$30.95
	25/Box	60 \$33.67
	14,400 RPM	50 \$35.29
		36 \$37.93
		24 \$38.98
	16 \$48.65	
4-1/2" x 7/8"	80+	\$34.15
	25/Box	60 \$36.84
	13,300 RPM	50 \$37.93
		40 \$39.60
		36 \$40.59
	24 \$42.21	
	16 \$52.87	
5" x 7/8"	80+	\$37.93
	25/Box	60 \$39.60
	12,200 RPM	50 \$42.21
		40 \$43.80
		36 \$44.87
	24 \$46.47	
	16 \$59.84	
7" x 7/8"	80+	\$59.84
	25/Box	60 \$63.56
	8,600 RPM	50 \$65.12
		40 \$68.89
		36 \$70.51
	24 \$73.17	
	16 \$92.42	
9" x 7/8"	80+	\$78.53
	25/Box	60 \$83.85
	6,600 RPM	50 \$88.16
		40 \$90.83
		36 \$93.48
	24 \$96.16	
	16 \$123.40	

CS 565 ALUMINA ZIRCONIA



For heavier stock removal and faster cutting, the CS 565 cannot be beat.

Diameter	Grit	Price Per Box
4-1/2" x 7/8"	100/80	\$43.80
	25/Box	60 \$46.65
	13,000 RPM	50 \$48.38
		36 \$52.87
		24 \$55.53
5" x 7/8"	100/80	\$55.53
	25/Box	60 \$58.23
	12,200 RPM	50 \$60.92
		36 \$66.24
		24 \$69.45
7" x 7/8"	100/80	\$77.44
	25/Box	60 \$81.71
	8,600 RPM	50 \$83.85
		36 \$91.36
		24 \$94.55
9" x 7/8"	100	\$138.89
	25/Box	60 \$146.88
	6,600 RPM	50 \$149.58
		36 \$165.56
		24 \$168.77

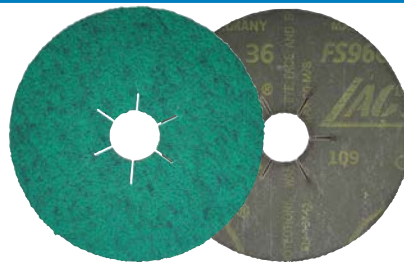
FS 964 CERAMIC



Comprised of tough ceramic grains, fully resin bonded to a heavy vulcanized fiber backing. Ideal for carbon steel and heavy stock removal.

Diameter	Grit	Price Per Box
4-1/2" x 7/8"	120	\$52.92
	25/Box	80 \$54.77
	13,300 RPM	60 \$57.49
		50 \$62.03
		40 \$64.73
	36 \$71.18	
	24 \$82.15	
5" x 7/8"	120	\$68.46
	25/Box	80 \$74.03
	12,200 RPM	60 \$77.73
		50 \$83.99
		40 \$86.12
	36 \$94.57	
	24 \$109.10	
7" x 7/8"	120	\$112.63
	25/Box	80 \$118.54
	8,600 RPM	60 \$124.47
		50 \$134.48
		40 \$142.03
	36 \$156.19	
	24 \$179.42	

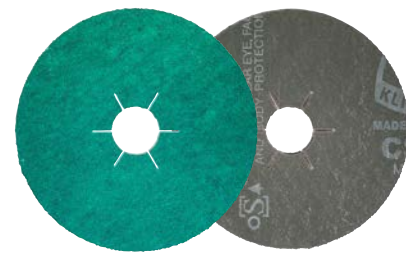
FS 966 LUBRICATED CERAMIC FIBRE DISCS



The tough ceramic grain cuts fast and lasts longer than any other grain type on hard steels and metals. **ACT** Increased grain adhesion and edgewear.

Diameter	Grit	Price Per Each
4-1/2" x 7/8"	80	\$60.87
	25/Box	60 \$63.90
	13,000 RPM	50 \$69.01
		40 \$71.91
		36 \$79.09
	24 \$91.27	
5" x 7/8"	80	\$82.25
	25/Box	60 \$86.36
	12,200 RPM	50 \$93.27
		40 \$95.68
		36 \$105.29
	24 \$121.20	
7" x 7/8"	80	\$131.73
	25/Box	60 \$138.32
	8,600 RPM	50 \$149.37
		40 \$157.78
		36 \$173.56
	24 \$199.38	

CS 570 LUBRICATED ALUMINA ZIRCONIA FIBRE DISCS



Also an alumina zirconia disc, the CS 570 has an added advantage - a dry lubricant. This feature aids in reducing heat build-up for a cleaner, cooler cut.

Diameter	Grit	Price Per Each
4-1/2" x 7/8"	120-80	\$43.80
	25/Box	60 \$46.65
	13,000 RPM	50 \$48.38
		36 \$52.87
		24 \$55.53
5" x 7/8"	120-80	\$55.53
	25/Box	60 \$58.23
	12,200 RPM	50 \$60.92
		36 \$66.24
		24 \$69.45
7" x 7/8"	120-80	\$77.44
	25/Box	60 \$81.71
	8,600 RPM	50 \$83.85
		36 \$91.36
		24 \$94.55

FIBRE DISC BACKING PAD

*5/8"-11 Lock Nut Included



Diameter	Item #	RPM	Price Per Pad
4-1/2" (5/8 - 11)*	BP001	13,000	\$28.41
4-1/2" spiralcool	BPS012	13,500	\$51.13
5" (5/8 - 11)*	BP002	12,000	\$33.54
5" spiralcool	BPS011	13,000	\$61.70
7" (5/8 - 11)*	BP003	8,500	\$50.07
7" spiralcool	BPS010	8,600	\$74.70
9" (5/8 - 11)*	BP004	6,600	\$64.87

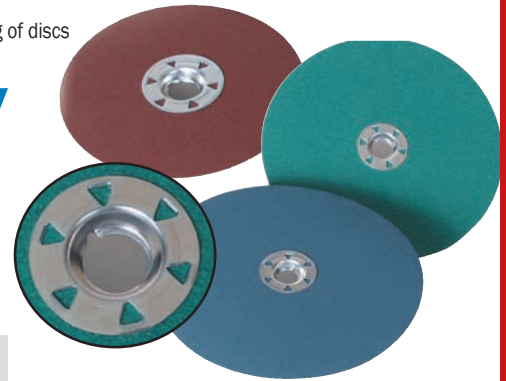
PHENOLIC BACKING PLATES



Dia.	Item #	RPM	Price Per Pad
4-1/2"	FBP-4.5	6,000	\$7.97
5"	FBP-5	6,000	\$7.97
7"	FBP-7	6,000	\$10.62



Production shops will appreciate the quick on, quick off use of KLINGSPOR's Quick Lock Fibre Discs. Changing of discs or switching between grits takes only a few seconds. Use only with KLINGSPOR's Quick Lock Backing Pads.



CS 561 ALUMINUM OXIDE

Diameter	Grit	Price Per Box
4-1/2" x 7/8" 25/Box 13,300 RPM	80+	\$59.29
	60	\$61.95
	50	\$62.99
	40	\$64.68
	36	\$65.77
	24	\$67.40
5" x 7/8" 25/Box 12,200 RPM	80+	\$63.04
	60	\$65.20
	50	\$67.41
	40	\$69.15
	36	\$70.11
	24	\$71.75
7" x 7/8" 25/Box 8,600 RPM	80+	\$85.34
	60	\$88.05
	50	\$90.75
	40	\$93.47
	36	\$96.19
	24	\$98.94
9" x 7/8" 25/Box 6,600 RPM	80+	\$92.00
	60	\$94.07
	50	\$104.34
	36	\$109.75
	24	\$114.12
	16	\$150.01

CS 565 ALUMINA ZIRCONIA

Diameter	Grit	Price Per Box
4-1/2" x 7/8" 25/Box 13,000 RPM	80	\$69.02
	60	\$71.75
	50	\$75.01
	36	\$78.27
	24	\$80.98
	16	\$83.69
5" x 7/8" 25/Box 12,200 RPM	80	\$80.98
	60	\$83.69
	50	\$86.41
	36	\$91.87
	24	\$94.87
	16	\$103.27
7" x 7/8" 25/Box 8,600 RPM	80	\$103.27
	60	\$107.60
	50	\$109.80
	36	\$117.39
	24	\$120.65
	16	\$161.72
9" x 7/8" 25/Box 6,600 RPM	80	\$161.72
	60	\$173.92
	50	\$176.66
	36	\$192.93
	24	\$196.21
	16	\$273.84

FS 966 LUBRICATED CERAMIC ACT

Diameter	Grit	Price Per Box
4-1/2" x 7/8" 25/Box 13,000 RPM	80	\$86.67
	60	\$87.76
	50	\$94.97
	40	\$98.77
	36	\$105.18
	24	\$117.43
5" x 7/8" 25/Box 12,200 RPM	80	\$108.43
	60	\$110.69
	50	\$119.68
	40	\$131.45
	36	\$139.76
	24	\$148.09
7" x 7/8" 25/Box 8,600 RPM	80	\$180.66
	60	\$189.99
	50	\$198.78
	40	\$207.58
	36	\$238.37
	24	\$273.84

5/8" - 11 LOCKING NUT
#BP9825..... \$5.01

SPANNER WRENCH
#Dyna18749 \$5.67



Fibre Disc Range

CS 570 LUBRICATED ALUMINA ZIRCONIA

Diameter	Grit	Price Per Box
4-1/2" x 7/8" 25/Box 13,000 RPM	80	\$69.02
	60	\$71.75
	50	\$73.92
	36	\$78.27
	24	\$80.98
	16	\$80.99
5" x 7/8" 25/Box 12,200 RPM	80	\$80.99
	60	\$83.71
	50	\$86.41
	36	\$91.84
	24	\$95.11
	16	\$103.27
7" x 7/8" 25/Box 8,600 RPM	80	\$103.27
	60	\$107.60
	50	\$109.80
	36	\$117.39
	24	\$120.65
	16	\$190.76
9" x 7/8" 25/Box 6,600 RPM	80	\$190.76
	60	\$190.76
	50	\$192.93
	36	\$192.93
	24	\$195.84
	16	\$273.84

FS 964 CERAMIC ACT

Diameter	Grit	Price Per Box
4-1/2" x 7/8" 25/Box 13,000 RPM	80	\$78.97
	60	\$81.19
	50	\$85.04
	40	\$88.89
	36	\$97.74
	24	\$112.82
5" x 7/8" 25/Box 12,200 RPM	80	\$103.76
	60	\$106.77
	50	\$115.31
	40	\$118.31
	36	\$129.90
	24	\$149.84
7" x 7/8" 25/Box 8,600 RPM	80	\$162.84
	60	\$171.00
	50	\$181.56
	40	\$196.21
	36	\$210.85
	24	\$242.22



Low Profile

QUICK LOCK BACKING PAD

Diameter	Item #	Max RPM	Price Per Pad
4-1/2"	BPQ001	20,000	\$70.40
4-1/2" Low Profile	BPQ002	20,000	\$70.40
5"	BPQ003	20,000	\$70.40
5" Low Profile	BPQ004	20,000	\$70.40
7" Soft	BPQ005	8,600	\$92.22
7" Medium	BPQ006	8,600	\$79.22
7" Firm	BPQ007	8,600	\$92.22
9" Medium	BPQ008	7,000	\$110.25





See page 110 for Bonded
Wheels Breakdown



A 946 TZ

A 960 TZ



CERAMIC K 960 TX SPECIAL

Stainless Steel, Stainless Steel Sheets, Container Construction and Metal Fabrication

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x .045" x 7/8"	25	13,300	K960TX1151.022F	\$5.35
5" x .045" x 7/8"	25	12,200	K960TX1251.022F	\$6.01



ALUMINA ZIRCONIA Z 960 TX SPECIAL

Stainless Steel, Stainless Steel Sheets, Container Construction and Metal Fabrication

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x .045" x 7/8" TYPE 27	25	13,300	Z960TX1151.022D	\$4.66
5" x .045" x 7/8" TYPE 27	25	12,200	Z960TX1251.022D	\$5.22
4-1/2" x .045" x 7/8"	25	13,300	Z960TX1151.022F	\$4.66
5" x .045" x 7/8"	25	12,200	Z960TX1251.022F	\$5.22



ALUMINUM OXIDE A 960 TZ SPECIAL

Stainless Steel, Stainless Steel Sheets, Container Construction,
Carbon Steel and Metal Fabrication

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x .045" x 7/8" TYPE 27	25	13,300	A960TZ1151.022D	\$4.23
5" x .045" x 7/8" TYPE 27	25	12,200	A960TZ1251.022D	\$4.75
4-1/2" x .045" x 7/8"	25	13,300	A960TZ1151.022F	\$4.23
5" x .045" x 7/8"	25	12,200	A960TZ1251.022F	\$4.75



ALUMINUM OXIDE A 980 TZ SPECIAL

Stainless Steel Sheets, Container Construction, Carbon Steel Sheets
and Metal Fabrication

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/32" x 7/8" TYPE 27	25	13,300	A980TZ1150.822D	\$4.69
5" x 1/32" x 7/8" TYPE 27	25	12,200	A980TZ1250.822D	\$5.17





See page 110 for Bonded Wheels Breakdown



A 46 TZ SPECIAL

Stainless Steel, Stainless Steel Sheets, Carbon Steel, Container Construction and Metal Fabrication



Size	Box Qty	Max RPM	Item#	Price Per Disc
4" x 1/16" x 5/8"	25	13,300	A46TZ1001.616F	\$3.48
4-1/2" x 1/16" x 7/8" TYPE 27	25	13,300	A46TZ1151.622D	\$3.60
4-1/2" x 1/16" x 7/8"	25	13,300	A46TZ1151.622F	\$3.60
5" x 1/16" x 7/8"	25	12,200	A46TZ1251.622F	\$4.26
6" x 1/16" x 7/8"	25	10,200	A46TZ1501.622F	\$4.41
6" x 1/16" x 7/8" TYPE 27	25	10,200	A46TZ1501.622D	\$4.41
7" x 1/16" x 7/8"	25	8,500	A46TZ1781.622F	\$5.50
7" x 1/16" x 7/8" TYPE 27	25	8,500	A46TZ1781.622D	\$5.50
9" x 5/64" x 7/8"	25	6,600	A46TZ2301.922F	\$7.02
9" x 5/64" x 7/8" TYPE 27	25	6,600	A46TZ2301.922D	\$7.02

A 946 TZ SPECIAL

Stainless Steel, Stainless Steel Sheets, Carbon Steel, Container Construction and Metal Fabrication



Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/16" x 7/8"	25	13,300	A946TZ1151.622F	\$4.24
5" x 1/16" x 7/8"	25	12,200	A946TZ1251.622F	\$4.99
6" x 1/16" x 7/8"	25	10,200	A946TZ1501.622F	\$5.21
7" x 1/16" x 7/8"	25	8,500	A946TZ1781.622F	\$6.47
9" x 5/64" x 7/8"	25	6,600	A946TZ2301.922F	\$8.31

A 60 TZ SPECIAL

Stainless Steel, Stainless Steel Sheets, Carbon Steel, Container Construction and Metal Fabrication



Size	Box Qty	Max RPM	Item#	Price Per Disc
4" x .045" X 5/8"	25	15,300	A60TZ1001.016F	\$4.09

A 60 N SUPRA

Non-Ferrous Metals, Aluminum, Copper and Brass. Soft Structure Prevents Loading



Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x .045" x 7/8"	25	13,300	A60N1151.022F	\$4.69
5" x .045" x 7/8"	25	12,200	A60N1251.022F	\$5.17

A 660 R SMALL CUT-OFF WHEELS

Size	Box Qty	Max RPM	Item#	Price Per Disc
2" x 3/64" x 1/4"	40	30,600	A660R0501.006F-40	\$3.06
3" x 3/64" x 1/4"	40	20,100	A660R0761.006F-40	\$3.06
3" x 3/64" x 3/8"	40	20,100	A660R0761.010F-40	\$3.06
3" x 1/16" x 1/4"	40	20,100	A660R0761.606F-40	\$3.06
3" x 1/16" x 3/8"	40	20,100	A660R0761.610F-40	\$3.06
4" x 3/64" x 1/4"	25	15,200	A660R1001.006F	\$3.61
4" x 3/64" x 3/8"	25	15,200	A660R1001.010F	\$3.61



A 660 R MANDREL

1/4" & 3/8" ARBOR1/4-3/8X1/4SL \$17.69/per mandrel





See page 110 for Bonded Wheels Breakdown

A 24 R SUPRA

Steel, Structural Steel, Tool Steel, Sheet Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
4" x 3/32" x 5/8"	25	15300	A24R1002.516D	\$3.61
4-1/2" x 3/32" x 7/8"	25	13300	A24R1152.522D	\$3.83
5" x 3/32" x 7/8"	25	12200	A24R1252.522D	\$4.33
7" x 1/8" x 7/8"	25	8500	A24R1783.022D	\$5.36
7" x 1/8" x 5/8"-11 hub	10	8500	A24R1783.022A	\$8.11
9" x 1/8" x 5/8"-11 hub	10	6600	A24R2303.022A	\$11.96

Size	Box Qty	Max RPM	Item#	Price Per Disc
4" x 3/32" x 5/8"	25	15300	A24R1002.516F	\$3.61
4-1/2" x 3/32" x 7/8"	25	13300	A24R1152.522F	\$3.83
5" x 3/32" x 7/8"	25	12200	A24R1252.522F	\$4.33
6" x 3/32" x 7/8"	25	10200	A24R1502.522F	\$5.17



Cut-Off Wheels/
Ceramic Belts



Choosing a
Cut-Off Wheel



Chop Saw Cut-Off
Wheels

for Stationary Machines

KLINGSPOR's general purpose wheels for stationary saws provide reliable performance every time. The rigors of these applications are handled effectively and economically.

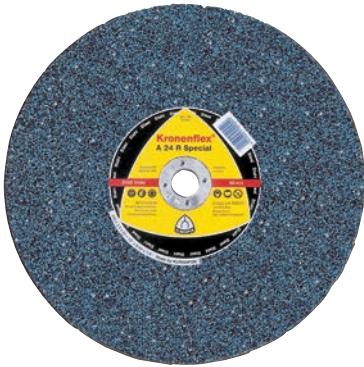


A 24 R SUPRA

Steel, Structural Steel, Tool Steel, Sheet Steel
> 3KW or 4HP Machines

Size	Box Qty	Max RPM	Item#	Price Per Disc
12" x 1/8" x 1"	10	6400	A24R3003.025F	\$13.84
14" x 9/64" x 1"	10	5500	A24R3503.525F	\$19.45
16" x 3/16" x 1"	10	4800	A24R4004.025F	\$23.87





A 924 R SPECIAL

Steel, Ductile Iron, Structural Steel, Tool Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
12" x 9/64" x 20 mm"	10	5100	A924R3003.520F	\$13.64
14" x 5/32" x 20 mm"	10	4400	A924R3504.020F	\$21.95
14" x 5/32" x 1"	10	4400	A924R3504.025F	\$19.96

See page 110 for Bonded Wheels Breakdown



A 924 SX SPECIAL

Railroad Tracksand Steel

Best performance on high powered saws

Size	Box Qty	Max RPM	Item#	Price Per Disc
14" x 5/32" x 1"	10	5500	A924SX3504.025F	\$25.85
16" x 5/32" x 1"	10	4800	A924SX4004.025F	\$32.78

* MAX OPERATING SPEED 100 M/S





For fast-cutting action and overall performance on chopsaw machines, these general purpose wheels will accomplish your goals. For use on low-power, 110/120v chopsaws.

A 330 N SPECIAL

All Metals < 3KW or 4HP Universal Wheel on Solid Material

Size	Box Qty	Max RPM	Item#	Price Per Disc
12" x 3/32" x 1"	10	5100	A330N3002.525F FC	\$14.31
16" x 9/64" x 1"	10	3800	A330N4003.525F FC	\$21.53



A630N

A 630 N SUPRA FAST CUT

All Metals < 3KW or 4HP Universal Wheel on Hollow Material

Size	Box Qty	Max RPM	Item#	Price Per Disc
14" x 3/32" x 1"	10	4400	A630N3502.525F FC	\$12.40

See page 110 for Bonded Wheels Breakdown

A 930 N SPECIAL

All Metals < 3KW or 4HP Universal Wheel on Solid Material

Size	Box Qty	Max RPM	Item#	Price Per Disc
14" x 1/8" x 1"	10	4400	A930N3503.025F FC	\$16.28

Two specialty wheels for pipe fabrication are the Duplex A 46 VZ and the Pipeline TS 30 AP. Both are approved for use on stainless and carbon steels and triple fiberglass reinforcements allow for light grinding, notching and safe cutting.

TS 30 AP SPECIAL

Pipeline, Tank Fabrication, Root Seams

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/8" x 7/8"	10	13,300	TS30AP1153.522D	\$4.24
4-1/2" x 1/8" x 5/8" - 11	10	13,300	TS30AP1153.522A	\$5.80
5" x 1/8" x 7/8"	10	12,200	TS30AP1253.522D	\$4.61
5" x 1/8" x 5/8" - 11	10	12,200	TS30AP1253.522A	\$6.14
6" x 1/8" x 7/8"	10	10,200	TS30AP1503.522D	\$4.99
6" x 1/8" x 5/8" - 11	10	10,200	TS30AP1503.522A	\$6.52
7" x 1/8" x 7/8"	10	8,600	TS30AP1783.722D	\$6.10
7" x 1/8" x 5/8" - 11	10	8,600	TS30AP1783.722A	\$7.97

DUPLEX A 46 VZ SPECIAL

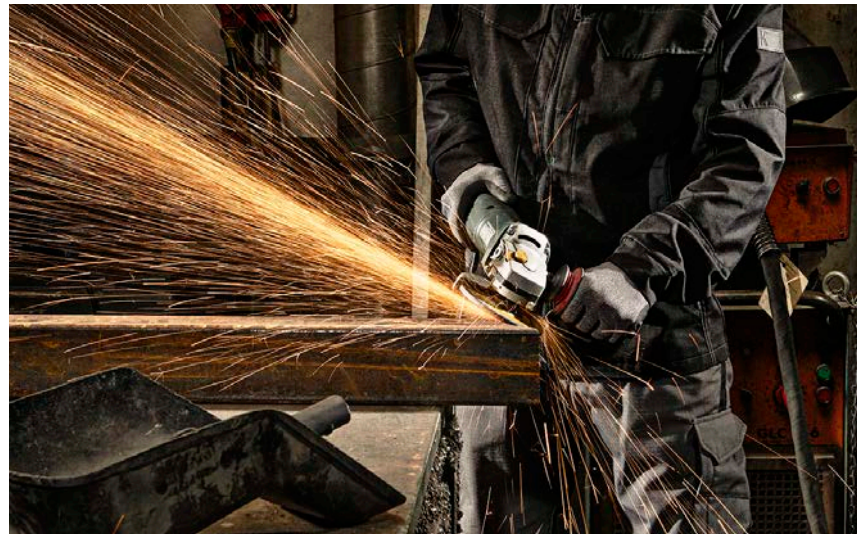
Extra thin and efficient for cutting AND safe grinding.

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 5/64" x 7/8" DUPLEX	25	13,300	A46VZ1152.022D	\$6.53

Safe for cutting & light grinding



Whether you're grinding welds, smoothing out pits or cutting bar stock or concrete, the Klingspor Yellow Extra line should be your choice for maximum performance at a reasonable cost. Try these wheels from KLINGSPOR - the world leader in the development and production of high speed cut off wheels and grinding discs. Grit numbers beginning with "A" are suitable for use on most metals and steels. Grit numbers beginning with a "C" are suitable for most masonry applications.



TOP DISC IN THE INDUSTRY FOR MILD STEEL

Grinding discs should be used at a 35 degree angle for best wear and removal. This is also the safest way to run the wheel to avoid "chunking".



Grinding vs Fibre vs SMT

A 24 R SUPRA

Steel, Structural Steel, Tool Steel, Sheet Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
4" x 5/32" x 5/8"	10	15300	A24R1004.016D	\$4.22
4" x 1/4" x 5/8"	10	15300	A24R1006.016D	\$5.01
4-1/2" x 3/16" x 7/8"	10	13300	A24R1154.022D	\$4.44
4-1/2" x 3/16" x 5/8"-11 hub	10	13300	A24R1154.022A	\$6.95
4-1/2" x 1/4" x 7/8"	10	13300	A24R1156.022D	\$5.35
4-1/2" x 1/4" x 5/8"-11 hub	10	13300	A24R1156.022A	\$8.09
5" x 1/4" x 7/8"	10	12200	A24R1256.022D	\$5.58
5" x 1/4" x 5/8"-11 hub	10	12200	A24R1256.022A	\$8.32
6" x 1/4" x 7/8"	10	10200	A24R1506.022D	\$7.06
6" x 1/4" x 5/8"-11 hub	10	10200	A24R1506.022A	\$9.80
7" x 1/4" x 7/8"	10	8500	A24R1786.022D	\$9.34
7" x 1/4" x 5/8"-11 hub	10	8500	A24R1786.022A	\$12.08
7" x 5/16" x 7/8"	10	8500	A24R1788.022D	\$11.52
9" x 1/4" x 7/8"	10	6600	A24R2306.022D	\$15.86
9" x 1/4" x 5/8"-11 hub	10	6600	A24R2306.022A	\$18.57





A 24 N SUPRA

Stainless Steel, Non-Alloy Stainless Steel, High Alloy Stainless Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/4" x 7/8"	10	13300	A24N1156.022D	\$5.92
4-1/2" x 1/4" x 5/8"-11 hub	10	13300	A24N1156.022A	\$8.66
5" x 1/4" x 7/8"	10	12200	A24N1256.022D	\$6.49
7" x 1/4" x 7/8"	10	8500	A24N1786.022D	\$10.25
7" x 1/4" x 5/8"-11 hub	10	8500	A24N1786.022A	\$12.99
9" x 1/4" x 7/8"	10	6600	A24N2306.022D	\$17.32
9" x 1/4" x 5/8"-11 hub	10	6600	A24N2306.022A	\$20.04

See page 110 for Bonded
Wheels Breakdown

A 624 T SUPRA

Cast Iron, Cast Steel, Hardened Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/4" x 7/8"	10	13,300	A624T1156.022D	\$5.06
4-1/2" x 1/4" x 5/8"-11 hub	10	13,300	A624T1156.022A	\$7.46
5" x 1/4" x 7/8"	10	12,200	A624T1256.022D	\$5.88
5" x 1/4" x 5/8"-11 hub	10	12,200	A624T1256.022A	\$8.28
7" x 1/4" x 7/8"	10	8,500	A624T1786.022D	\$10.55
7" x 1/4" x 5/8"-11 hub	10	8,500	A624T1786.022A	\$13.03
9" x 1/4" x 7/8"	10	6,600	A624T2306.022D	\$16.87
9" x 1/4" x 5/8"-11 hub	10	6,600	A624T2306.022A	\$19.60



A 30 M SPECIAL

2 in 1 Grinding Disc for Carbon Steel & Stainless Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/4" x 7/8"	10	13300	A30M1156.022D	\$8.38
4-1/2" x 1/4" x 5/8"-11 hub	10	13300	A30M1156.022A	\$11.01
5" x 1/4" x 7/8"	10	12200	A30M1256.022D	\$9.09
5" x 1/4" x 5/8"-11 hub	10	12200	A30M1256.022A	\$11.70



A 46 N SUPRA

Aluminum & Non-Ferrous

Size	Box Qty	Max RPM	Item#	Price Per Disc
4-1/2" x 1/4" x 7/8"	10	13300	A46N1156.022D	\$5.92
4-1/2" x 1/4" x 5/8"-11 hub	10	13300	A46N1156.022A	\$8.66
5" x 1/4" x 7/8"	10	12200	A46N1256.022D	\$6.49
5" x 1/4" x 5/8"-11 hub	10	12200	A46N1256.022A	\$9.22
7" x 1/4" x 7/8"	10	8500	A46N1786.022D	\$10.25
7" x 1/4" x 5/8"-11 hub	10	8500	A46N1786.022A	\$12.99



ALUMINUM OXIDE



Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
3/4"	100+	\$69.27
100/Box	80	\$69.27
30,000 RPM	60	\$71.66
	50	\$73.53
	40	\$76.42
	36	\$78.48
	24	\$82.12
1"	100+	\$69.27
100/Box	80	\$69.27
30,000 RPM	60	\$71.66
	50	\$73.53
	40	\$76.42
	36	\$78.48
	24	\$82.12
1-1/2"	100+	\$86.02
100/Box	80	\$86.02
30,000 RPM	60	\$87.17
	50	\$90.02
	40	\$90.02
	36	\$90.89
	24	\$96.58
2"	100+	\$123.43
100/Box	80	\$126.09
20,000 RPM	60	\$127.59
	50	\$132.69
	40	\$136.33
	36	\$143.22
	24	\$153.48
3"	100+	\$78.78
50/Box	80	\$80.53
20,000 RPM	60	\$82.33
	50	\$84.68
	40	\$87.31
	36	\$89.96
	24	\$96.08
4"	100+	\$65.95
25/Box	80	\$67.44
20,000 RPM	60	\$68.89
	50	\$70.88
	40	\$73.15
	36	\$75.35
	24	\$80.47

ALUMINA ZIRCONIA



Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
3/4"	120	\$83.13
100/Box	80	\$83.13
30,000 RPM	60	\$86.03
	50	\$88.26
	40	\$91.69
	36	\$94.41
	24	\$99.12
1"	120	\$83.13
100/Box	80	\$83.13
30,000 RPM	60	\$86.03
	50	\$88.26
	40	\$91.69
	36	\$94.41
	24	\$99.12
1-1/2"	100+	\$103.17
100/Box	80	\$103.17
30,000 RPM	60	\$104.60
	50	\$108.05
	40	\$108.05
	36	\$110.33
	24	\$116.00
2"	100+	\$147.55
100/Box	80	\$151.15
20,000 RPM	60	\$153.09
	50	\$159.24
	40	\$163.58
	36	\$171.87
	24	\$184.52
3"	100+	\$94.53
50/Box	80	\$96.60
20,000 RPM	60	\$98.77
	50	\$101.48
	40	\$104.79
	36	\$107.96
	24	\$114.97
4"	100+	\$79.39
25/Box	80	\$81.14
20,000 RPM	60	\$82.97
	50	\$85.31
	40	\$88.00
	36	\$90.69
	24	\$96.57

ALUMINA ZIRCONIA - LUBRICATED



Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
3/4"	120	\$99.73
100/Box	80	\$99.73
30,000 RPM	60	\$103.22
	50	\$105.89
	40	\$110.04
	36	\$113.28
1"	120	\$99.73
100/Box	80	\$99.73
30,000 RPM	60	\$103.22
	50	\$105.89
	40	\$110.04
	36	\$113.28
1-1/2"	120	\$123.86
100/Box	80	\$123.86
30,000 RPM	60	\$125.58
	50	\$129.65
	40	\$129.65
	36	\$132.42
2"	100+	\$177.78
100/Box	80	\$181.41
20,000 RPM	60	\$183.74
	50	\$191.09
	40	\$196.32
	36	\$206.25
3"	100+	\$113.39
50/Box	80	\$115.90
20,000 RPM	60	\$118.54
	50	\$121.81
	40	\$125.76
	36	\$129.56
4"	100+	\$95.30
25/Box	80	\$97.34
20,000 RPM	60	\$99.60
	50	\$102.37
	40	\$105.64
	36	\$108.83



STEEL MANDRELS FOR QDC DISCS - 1/4" SHANK

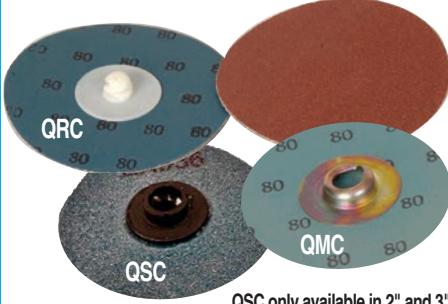
For 3/4", 1", 1-1/2" QDC Discs
ITEM# SL100MANDREL \$8.21 each

For 2", 3", 4" QDC Discs
ITEM# SL101MANDREL \$10.30 each



ALUMINUM OXIDE

Must be used with KLINGSPOR's Holder Pads

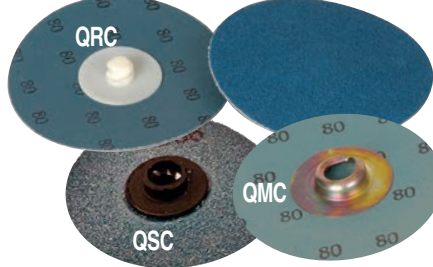


QSC only available in 2" and 3"

Diameter	Grit	Price Per Box
1-1/2" 100/Box	120	\$86.02
	80	\$86.02
	60	\$87.17
	50	\$90.02
	40	\$90.02
	36	\$90.89
2" 100/Box	24	\$96.58
	100+	\$123.43
	80	\$125.97
	60	\$127.59
	50	\$132.69
	40	\$136.33
3" 50/Box	36	\$143.22
	24	\$153.48
	100+	\$78.78
	80	\$80.53
	60	\$82.33
	50	\$84.68
	40	\$87.31
	36	\$89.96
	24	\$96.08

ALUMINA ZIRCONIA

Must be used with KLINGSPOR's Holder Pads

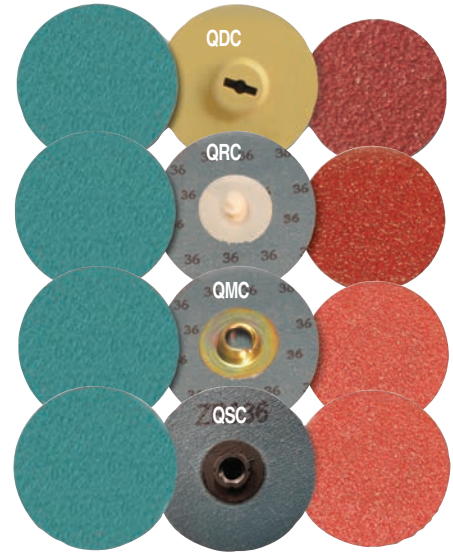


QSC only available in 2" and 3"

Diameter	Grit	Price Per Box
1-1/2" 100/Box	120	\$103.17
	80	\$103.17
	60	\$104.60
	50	\$108.05
	40	\$108.05
	36	\$110.31
2" 100/Box	24	\$116.00
	100+	\$148.11
	80	\$151.15
	60	\$153.09
	50	\$159.24
	40	\$163.58
3" 50/Box	36	\$171.87
	24	\$184.54
	100+	\$94.52
	80	\$96.60
	60	\$98.77
	50	\$101.48
	40	\$104.79
	36	\$107.96
	24	\$114.97

CERAMIC - AVAILABLE IN QDC, QRC, QMC AND QSC

QDC Must be used with KLINGSPOR's Holder Pads



Diameter	Grit	Price Per Box
2" 100/Box	180-100	\$167.66
	80	\$176.50
	60	\$185.38
	50	\$191.09
3" 50/Box	40	\$196.32
	36	\$206.25
	180-100	\$106.96
	80	\$112.57
	60	\$118.14
	50	\$121.81
	40	\$125.47
	36	\$129.56

QUICK CHANGE POWER DISCS

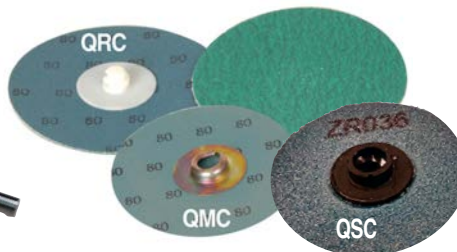
Made of a very coarse non-woven material, these power discs will strip paint, remove rust and scale, and other surface contaminants. Conveniently used as a KLINGSPOR QDC or a KLINGSPOR QRC for fast disc changes. Sold in boxes of 10.



- 2" QDC Power Disc on 1-1/2" QD backer
Must be used with SL100 Mandrel
QDPD200 \$5.36/ea
- 2" QDC Power Disc on 2" QD backer
QDPD2002 \$5.31/ea
- 3" QDC Power Disc on 2" QD backer
QDPD300 \$7.04/ea
- 2" QRC Power Disc
QRCPD200 \$5.31/ea
- 3" QRC Power Disc
QRCPD300 \$6.97/ea

ALUMINA ZIRCONIA - LUBRICATED

Must be used with KLINGSPOR's Holder Pads



Diameter	Grit	Price Per Box
2" 100/Box	100+	\$167.66
	80	\$176.50
	60	\$185.38
	50	\$191.09
	40	\$196.32
	36	\$206.25
3" 50/Box	24	\$226.89
	100+	\$106.96
	80	\$112.57
	60	\$118.14
	50	\$121.81
	40	\$125.47
	36	\$129.56
	24	\$142.50

CERAMIC LUBRICATED - AVAILABLE IN QDC, QRC, QMC AND QSC

QDC Must be used with KLINGSPOR's Holder Pads

Diameter	Grit	Price Per Box
2" 100/Box	80	\$176.50
	60	\$185.38
	50	\$191.09
	40	\$198.69
3" 50/Box	36	\$206.25
	24	\$226.89
	80	\$112.57
	60	\$118.14
	50	\$121.81
	40	\$125.70
	36	\$129.56
	24	\$142.50

NOTE: MAXIMUM RPM'S FOR QRC and QMC DISCS ARE THE SAME AS THE MAXIMUM RPM RATINGS OF THE HOLDER PAD USED TO DRIVE THE DISCS.



QDC - SCRIM BACKED (NWSB)

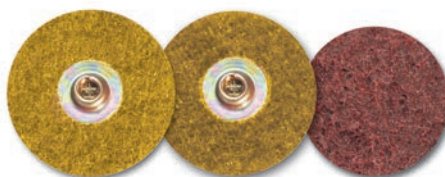
Must be used with KLINGSPOR's Holder Pad.



Diameter	Grit	Price Per Box
2"	Very Fine	\$55.15
	Medium	\$55.15
	Coarse	\$55.15
3"	Very Fine	\$104.53
	Medium	\$104.53
	Coarse	\$104.53

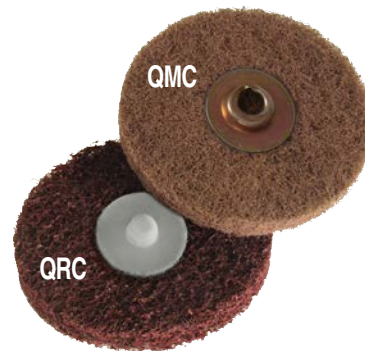
QMC - SCRIM BACKED (NWSB)

Must be used with KLINGSPOR's Holder Pad.



Diameter	Grit	Price Per Box
2"	Very Fine	\$55.15
	Medium	\$55.15
	Coarse	\$55.15
3"	Very Fine	\$104.53
	Medium	\$104.53
	Coarse	\$104.53

NON-WOVEN BUFF AND BLEND (NWBB)



QRC OR QMC

Diameter	Grit	Price Per Box
2"	Very Fine	\$55.15
	Medium	\$55.15
3"	Very Fine	\$104.53
	Medium	\$104.53

QRC - SCRIM BACKED (NWSB)

Must be used with KLINGSPOR's Steel Mandrels.



Diameter	Grit	Price Per Box
2"	Very Fine	\$55.15
	Medium	\$55.15
	Coarse	\$55.15
3"	Very Fine	\$104.53
	Medium	\$104.53
	Coarse	\$104.53

HOLDER PADS FOR QRC & QMC DISCS



Disc Diameter	Density	Max RPM	QRC #	Price Per Holder
1-1/2"	Medium	25,000	(QM) (QR) HOLDER1.5MED	\$20.32
1-1/2"	Firm	30,000	(QM) (QR) HOLDER1.5FIRM	\$20.32
2"	Medium	25,000	(QM) (QR) HOLDER2.0MED	\$21.11
2"	Firm	30,000	(QM) (QR) HOLDER2.0FIRM	\$21.11
3"	Medium	20,000	(QM) (QR) HOLDER3.0MED	\$24.65
3"	Firm	20,000	(QM) (QR) HOLDER3.0FIRM	\$24.65



LOW STRETCH SCRIM BACK (NWLS) VS FILE BELT SCRIM BACK (NWXF)

- Tight/compact non woven fibers
- Thicker and harder resin coating
- Best for deburring (backstand)
- Slightly more aggressive for harder materials

- Designed for file belts
- Good for belts with a tight radius



Material	Coarse	Medium	Very Fine	Super Fine
Color	Brown	Maroon	Blue	Grey
Grain	AO	AO	AO	SiC
Grit	80	180	320	600

Any non-woven belt under 13" in length will have a straight joint.

FILE BELTS (NWXF ONLY)

Diameter	Price Per Belt
1/2" x 18"	\$7.19
1/2" x 20-1/2"	\$7.63
1/2" x 24"	\$8.07
3/4" x 18"	\$10.02
3/4" x 20-1/2"	\$10.76
1" x 18"	\$10.72
1" x 24"	\$12.46
1-1/8" x 21"	\$11.89
1-1/4" x 20-1/2"	\$11.89
1-1/2" x 18-15/16"	\$12.65

WIDE BELTS (NWLS)

Diameter	Price Per Belt
19" x 48"	\$214.82
36" x 60"	\$542.02
36" x 75"	\$653.37
37" x 60"	\$568.25
37" x 75"	\$685.11

BACKSTAND SANDER SIZES (NWLS)

Diameter	Price Per Belt
2" x 118"	\$57.76
2" x 132"	\$63.55
3" x 118"	\$80.72
3" x 132"	\$88.59
4" x 118"	\$108.81
4" x 132"	\$119.34
4" x 168"	\$146.45

PLATEN SANDER SIZES (NWLS)

Diameter	Price Per Belt
1" x 30"	\$14.17
1" x 42"	\$17.58
1-1/2" x 60"	\$25.62
2" x 30"	\$21.35
2" x 42"	\$26.29
2" x 48"	\$28.77
2" x 60"	\$33.75
2" x 72"	\$38.71
2-1/2" x 60"	\$45.44
3" x 24"	\$27.91
3-1/2" x 15-1/2"	\$30.81
4" x 24"	\$38.00
4" x 36"	\$47.03
6" x 48"	\$78.64

NOTE: PLEASE ADD 25% FOR SUPERFINE PRICING

#4 Joints only. Scrim back is cloth fiber velour laminated to back side of non woven structure.

SURFACE CONDITIONING HAND PADS

6" x 9" Non-Woven Hand Pads
Now in new **20 Pack**

Use these hand pads as a replacement for steel wool to remove rust or to clean and polish metal surfaces.

Material#	Color	Price Per Pack
4630	Ultra fine	
(NWAU)	Gray	\$39.61
4396	General Purpose/Very Fine	
(NWAG)	Green	\$30.45
4660	Fine	
(NWAU)	Maroon	\$39.61
4650	Medium S/C	
(NWAU)	Gray/Black	\$47.50
4790	Coarse (Extra Cut)	
(NWAU)	Brown	\$77.38
4223	No Abrasive	
(NWAU)	White	\$39.61



HAND PAD HOLDER
uses 1/2 of standard size hand pad
NWHOLDER\$6.23

A non-woven step in stainless finishing produces a darker, glossy finish. Non-Woven medium to achieve #4 finish on graining stainless.





Heavy Duty Scrim Backed Discs are available in Very Fine, Medium, and Coarse. HyperFlex Scrim Backed Discs are available in Super Fine, Very Fine, Medium, and Coarse. Please see corresponding pricing adjacent.

SCRIM BACK DISCS (NWSB*)

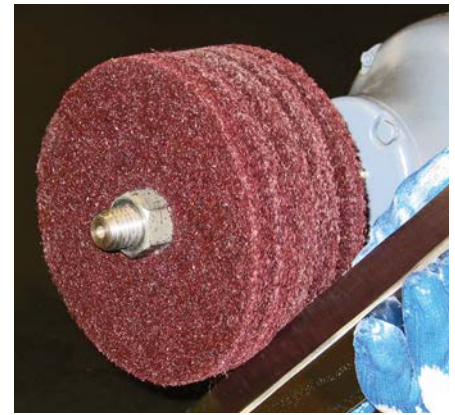
Must be used with long hook back up pads

Diameter	Grit	Price Per Pack
4" x NH 10/Pack	Super Fine	\$37.77
	Very Fine	\$30.21
	Medium	\$30.21
4" x 5/8" 10/Pack	Super Fine	\$37.77
	Very Fine	\$30.21
	Medium	\$30.21
4-1/2" x NH 10/Pack	Super Fine	\$46.62
	Very Fine	\$37.30
	Medium	\$37.30
4-1/2" x 7/8" 10/Pack	Super Fine	\$46.62
	Very Fine	\$37.30
	Medium	\$37.30
5" x NH 10/Pack	Super Fine	\$55.07
	Very Fine	\$44.05
	Medium	\$44.05
5" x 7/8" 10/Pack	Super Fine	\$55.07
	Very Fine	\$44.05
	Medium	\$44.05
6" x NH 10/Pack	Super Fine	\$76.37
	Very Fine	\$61.08
	Medium	\$61.08
7" x NH 10/Pack	Super Fine	\$94.86
	Very Fine	\$75.89
	Medium	\$75.89
7" x 7/8" 10/Pack	Super Fine	\$94.86
	Very Fine	\$75.89
	Medium	\$75.89
8" x NH 10/Pack	Super Fine	\$130.64
	Very Fine	\$104.52
	Medium	\$104.52
	Coarse	\$75.89
		\$75.89
		\$75.89



CLEAN & POLISH - LIGHTWEIGHT (NWTK)

Diameter	Grit	Price Per Pack
5" x NH 10/Pack	Very Fine	\$39.30
	Medium	\$39.30
	Coarse	\$39.30
6" x NH 10/Pack	Very Fine	\$55.80
	Medium	\$55.80
	Coarse	\$55.80
8" x NH 10/Pack	Very Fine	\$78.86
	Medium	\$78.86
	Coarse	\$78.86



HIGH STRENGTH - FOR EDGWORK

Medium (NWBHS + NWBHD) - 10/Pack
Very Fine (NWBHS) - 5/Pack

Diameter	Price Per Pack
6" x 1/2"	\$82.84
8" x 1/2"	\$117.31

Other sizes available. Call for Availability.

BACKING PADS NON-WOVEN



For Buffers - Long Hook
Non woven performs better at buffer rpms. Angle grinder rpms too high

Size	Item	Price Per Pad
4" (5/8 - 11)	FJ40G	\$37.67
4-1/2" (5/8 - 11)	FJ45G	\$38.60
5" (5/8 - 11)	FJ50G	\$39.02
5" (5/16 - 24)	FJ655	\$25.43
6" (5/8 - 11)	FJ60G	\$40.37
6" (5/16 - 24)	FJ656	\$28.78
7" (5/8 - 11)	FJ70G	\$43.65
8" (5/8 - 11)	FJ80G	\$43.65

PLEASE NOTE BEFORE ORDERING: Long Hook Pads are for use with HD Scrim Back non-woven materials

* 5/16-24 backing pads for use on random orbit sanders

SURFACE CONDITIONING ROLLS



CLEAN & POLISH - LIGHTWEIGHT

Diameter	Grit	Price Per Roll
4" x 30 Feet	Very Fine S/C	\$75.98
	Medium A/O	\$93.28
	Coarse A/O	\$133.47
6" x 30 Feet	Very Fine S/C	\$113.31
	Medium A/O	\$139.02
	Coarse A/O	\$186.00



CONVOLUTE WHEELS

KLINGSPOR Convolute Wheels feature dense, non-woven construction. They are smooth running, non-metallic, soft and smear-resistant. They create less operator fatigue, no contamination of the work-piece, reduce gouging and provide a faster stock removal rate.

Applications: Used for blending mill marks, machine mismatches, prior sanding scratch patterns, reducing uneven edges between surfaces and surface roughness prior to welding, for removing medium burrs, light flashing, parting lines, light adhesive overflow, smoothing radii on stamped metal parts, polishing welds, blending and polishing handling marks, edge deletion on glass.

Market Usage: Chemical plants, metal fabricators, appliance manufacturers, machine builders, engine builders, welding shops, aerospace, manufacturing, maintenance, mold & die shops, welding shops, oil field machinery.

Required Tool/Equipment: Automated equipment, straight shaft stationary tools, straight shaft portable tools and feed thru machines.



Material	Description	Diameters Available*	Max RPM	Diameters			
				1/2"	1"	2"	4"
2SC	Soft Density, Multi-Finishing, Coarse Grain, SiC	6"	6,000	\$52.57	\$90.36	\$165.86	\$292.16
		8"	6,000	\$68.53	\$117.81	\$216.38	\$381.14
		12"	3,000	\$91.19	\$157.99	\$339.83	\$628.36
2SM	Soft Density, Multi-Finishing, Medium Grain, SiC	6"	6,000	\$52.76	\$90.64	\$166.44	\$210.14
		8"	6,000	\$66.88	\$114.92	\$211.00	\$333.02
5AM	Medium-Soft Density, Metal Finishing, Medium Grain, AO	6"	6,000	\$76.59	\$131.78	\$242.24	\$426.89
		8"	6,000	\$83.67	\$143.99	\$264.63	\$466.20
		12"	3,000	\$146.58	\$244.84	\$404.42	\$885.26
7SF	Medium Density, Deburring, Fine Grain, SiC	6"	6,000	\$76.59	\$131.78	\$242.24	\$373.66
		8"	6,000	\$83.67	\$143.99	\$264.63	\$422.97
		12"	3,000	\$103.55	\$247.21	\$404.42	\$691.43
		14"	2,550	\$141.69	\$276.88	\$450.70	\$863.80
8AM	Medium-Hard Density, Deburring, Medium Grain, AO	6"	6,000	\$73.86	\$127.16	\$233.77	\$406.13
		8"	6,000	\$87.11	\$149.95	\$275.58	\$509.64
8SM	Medium-Hard Density, Deburring, Medium Grain, SiC	6"	6,000	\$73.86	\$127.16	\$233.77	\$428.79
		8"	6,000	\$87.11	\$149.95	\$275.58	\$473.06
		12"	3,000	\$146.58	\$247.22	\$396.41	\$799.95
8SF	Medium-Hard Density, Deburring, Fine Grain, SiC	6"	6,000	\$73.86	\$127.16	\$233.77	\$428.79
		8"	6,000	\$87.11	\$149.95	\$275.58	\$487.23
		12"	3,000	\$132.15	\$247.22	\$418.35	\$799.95
8SF-R	Medium-Hard Density, Rigid, Deburring, Fine Grain, SiC	6"	6,000	\$73.86	\$127.16	\$233.77	\$422.83
		8"	6,000	\$87.11	\$149.95	\$275.58	\$488.82
		12"	3,000	\$136.01	\$247.22	\$420.61	\$799.95
9SF	Hard Density, Deburring, Fine Grain, SiC	6"	6,000	\$73.86	\$127.16	\$233.77	\$458.08
		8"	6,000	\$87.11	\$149.95	\$275.58	\$549.13
		12"	3,000	\$146.58	\$247.22	\$420.60	\$838.53
9SF-R	Hard Density, Rigid, Deburring, Fine Grain, SiC	6"	6,000	\$73.86	\$127.16	\$233.77	\$470.83
		8"	6,000	\$87.11	\$149.95	\$275.58	\$555.07
		10"	3,600	\$98.89	\$198.69	\$344.48	\$598.07
10SF	Extra-Hard Density, Deburring, Fine Grain, SiC	12"	3,000	\$103.54	\$247.21	\$420.60	\$885.26

* All 6" diameter wheels have 1" arbor holes, 8" diameter wheels have 3" arbor holes, & 12" diameter wheels have 5" arbor holes.

** Custom widths can be cut from stock logs.

Part Number Example:



IMPORTANT: Convolute wheels must be run in the direction of the arrow.

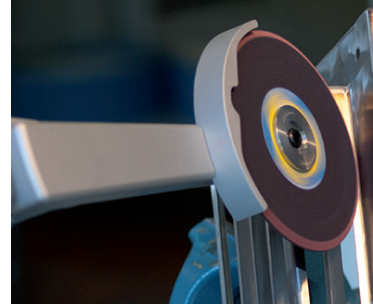
Mounting Bushings - 2 Per Box

Description	Item#	Price
6" Wheel Bushing 1" to 3/8"	611BUSH1X3/8	\$2.99
6" Wheel Bushing 1" to 1/2"	611BUSH1X1/2	\$2.99
6" Wheel Bushing 1" to 3/4"	611BUSH1X3/4	\$2.99
6" Wheel Bushing 1" to 5/8"	611BUSH1X5/8	\$4.57
8" Wheel Bushing 3" to 1"	CFVB004	\$112.82
8" Wheel Bushing 3" to 1-1/4"	CFVB005	\$293.72
10" & 12" Wheel Bushing 5" to 1"	CFVB006	\$239.95
10" & 12" Wheel Bushing 5" to 1-1/4"	CFVB007	\$160.16



Unitized Wheels are used for general purpose metal cleaning, deburring, and polishing. They are produced by compressing non-woven abrasive web creating a durable and versatile product.

- Perfect for cleaning prior to painting, removing rust, discoloration from welds, minor pits and scratches, resins/adhesives overspray and coating.
- Deburrs and finishes with minimal change to workpiece shape
- Resists smearing for cleaner surfaces and less preparation
- Open web resists loading
- Available in a variety of densities and grades for applications requiring flexible or aggressive cutting action



1/8" THICK	1/4" THICK	1/2" THICK	1" THICK
2SF – Low Density, Fine Grit SiC	2AM – Low Density, Medium Grit AO	2AM – Low Density, Medium Grit AO	2AM – Low Density, Medium Grit AO
4AF – Medium Density, Fine Grit AO	2SF – Low Density, Fine Grit SiC	2SF – Low Density, Fine Grit SiC	4SF – Medium Density, Fine Grit SiC
4AM – Medium Density, Medium Grit AO	3SF – Med/Low Density, Fine Grit SiC	3SF – Med/Low Density, Fine Grit SiC	8AM – High Density, Medium Grit AO
6AM – Med/High Density, Medium Grit AO	4AF – Medium Density, Fine Grit AO	4AF – Medium Density, Fine Grit AO	
	4SF – Medium Density, Fine Grit SiC	4SF – Medium Density, Fine Grit SiC	
	6AF – Med/High Density, Fine Grit SiC	6SF – Med/High Density, Fine Grit SiC	
	6SF – Med/High Density, Fine Grit SiC	6AF – Med/High Density, Fine Grit AO	
	8AM – High Density, Medium Grit AO	8AC – High Density, Coarse Grit AO	
	9AC – High Density, Coarse Grit AO	8AM – High Density, Medium Grit AO	

Unitized discs great for polishing brass. Excellent for food grade stainless steel. Unitized discs excellent for aluminum sign mfrs, blending weld marks.

*Optimum RPM may be below Maximum RPM to produce the desired finish, and can be run as low as 3,200rpm.
 Dynabrade Die Grinders: Dyna47201, Dyna47211, DYNA52101, Dyna52662, Dyna46000, Dyna47800, & Dyna48315



DIE GRINDER WHEEL OPTIONS: 1/4" THICK

ARBOR1/2X1/4FH\$5.93 (Item# for arbor shown)

Size	Item #	Price Each	Size	Item #	Price Each	Size	Item #	Price Each
2" X 1/4" X 1/2"	UW2AM2X.25X.5	\$10.86	3" X 1/4" X 1/2"	UW2AM3X.25X.5	\$13.50	4" X 1/4" X 1/2"	UW2AM4X.25X.5	\$30.95
Max Safe Speed	UW2SF2X.25X.5	\$10.86	Max Safe Speed	UW2SF3X.25X.5	\$13.50	Max Safe Speed	UW2SF4X.25X.5	\$30.95
25,000 RPM	UW3SF2X.25X.5	\$10.86	20,000 RPM	UW3SF3X.25X.5	\$13.50	20,000 RPM	UW3SF4X.25X.5	\$30.95
Optimum Performance	UW4AF2X.25X.5	\$10.86	Optimum Performance	UW4AF3X.25X.5	\$13.50	Optimum Performance	UW4AF4X.25X.5	\$30.95
Speed 18,000 RPM	UW4SF2X.25X.5	\$10.86	Speed 12,000 RPM	UW4SF3X.25X.5	\$13.50	Speed 12,000 RPM	UW4SF4X.25X.5	\$30.95
10 Per Box	UW6AF2X.25X.5	\$10.86	10 Per Box	UW6AF3X.25X.5	\$13.50	10 Per Box	UW6AF4X.25X.5	\$30.95
	UW6SF2X.25X.5	\$10.86		UW6SF3X.25X.5	\$13.50		UW6SF4X.25X.5	\$30.95
	UW8AM2X.25X.5	\$10.86		UW8AM3X.25X.5	\$13.50		UW8AM4X.25X.5	\$30.95
	UW9AC2X.25X.5	\$10.86		UW9AC3X.25X.5	\$13.50		UW9AC4X.25X.5	\$30.95



ARBOR1/4-3/8X1/4SL\$17.17 (Item# for arbor shown)

Size	Item #	Price Each	Size	Item #	Price Each	Size	Item #	Price Each
2" X 1/4" X 1/4"	UW2AM2X.25X.25	\$10.86	3" X 1/4" X 1/4"	UW2AM3X.25X.25	\$13.50	4" X 1/4" X 1/4"	UW2AM4X.25X.25	\$30.95
Max Safe Speed	UW2SF2X.25X.25	\$10.86	Max Safe Speed	UW2SF3X.25X.25	\$13.50	Max Safe Speed	UW2SF4X.25X.25	\$30.95
25,000 RPM	UW3SF2X.25X.25	\$10.86	20,000 RPM	UW3SF3X.25X.25	\$13.50	20,000 RPM	UW3SF4X.25X.25	\$30.95
Optimum Performance	UW4AF2X.25X.25	\$10.86	Optimum Performance	UW4AF3X.25X.25	\$13.50	Optimum Performance	UW4AF4X.25X.25	\$30.95
Speed 18,000 RPM	UW4SF2X.25X.25	\$10.86	Speed 12,000 RPM	UW4SF3X.25X.25	\$13.50	Speed 12,000 RPM	UW4SF4X.25X.25	\$30.95
10 Per Box	UW6AF2X.25X.25	\$10.86	10 Per Box	UW6AF3X.25X.25	\$13.50	10 Per Box	UW6AF4X.25X.25	\$30.95
	UW6SF2X.25X.25	\$10.86		UW6SF3X.25X.25	\$13.50		UW6SF4X.25X.25	\$30.95
	UW8AM2X.25X.25	\$10.86		UW8AM3X.25X.25	\$13.50		UW8AM4X.25X.25	\$30.95
	UW9AC2X.25X.25	\$10.86		UW9AC3X.25X.25	\$13.50		UW9AC4X.25X.25	\$30.95

TYPE 27 ANGLE GRINDER DISC OPTIONS

Replaces CFU45001 FINE, CFU45002 COARSE, AND CFU45003 MEDIUM

Size	Item #	Price	Size	Item #	Price
4-1/2" X 7/8"	UWSA6-4.5X.875	\$38.19	4-1/2" X 5/8"-11	UWSA6-4.5x.875A	\$40.16
Max RPM 12,200	UWMA8-4.5X.875	\$38.19	Max RPM 12,200	UWMA8-4.5X.875A	\$40.16



Call Toll Free 800-645-5555 • Visit us online: www.klingspor.com



DIE GRINDER WHEEL OPTIONS: 1/2" THICK

Arbor1/4x1/4NL\$6.55 (Item# for arbor shown)

Size	Item #	Price Each	Size	Item #	Price Each	Size	Item #	Price Each
2" X 1/2" X 1/4" Max Safe Speed 25,000 RPM Optimum Performance Speed 18,000 RPM 10 Per Box	UW2AM2X.5X.25	\$16.13	3" X 1/2" X 1/4" Max Safe Speed 20,000 RPM Optimum Performance Speed 12,000 RPM 10 Per Box	UW2AM3X.5X.25	\$21.73	4" X 1/2" X 1/4" Max Safe Speed 20,000 RPM Optimum Performance Speed 12,000 RPM 10 Per Box	UW2AM4X.5X.25	\$36.20
	UW2SF2X.5X.25	\$16.13		UW2SF3X.5X.25	\$21.73		UW2SF4X.5X.25	\$36.20
	UW3SF2X.5X.25	\$16.13		UW3SF3X.5X.25	\$21.73		UW3SF4X.5X.25	\$36.20
	UW4AF2X.5X.25	\$16.13		UW4AF3X.5X.25	\$21.73		UW4AF4X.5X.25	\$36.20
	UW4SF2X.5X.25	\$16.13		UW4SF3X.5X.25	\$21.73		UW4SF4X.5X.25	\$36.20
	UW6AF2X.5X.25	\$16.13		UW6AF3X.5X.25	\$21.73		UW6AF4X.5X.25	\$36.20
	UW6SF2X.5X.25	\$16.13		UW6SF3X.5X.25	\$21.73		UW6SF4X.5X.25	\$36.20
	UW8AC2X.5X.25	\$16.13		UW8AC3X.5X.25	\$21.73		UW8AC4X.5X.25	\$36.20
UW8AM2X.5X.25	\$16.13	UW8AM3X.5X.25	\$21.73	UW8AM4X.5X.25	\$36.20			

QUICK CHANGE WHEELS – QRC'S AND QDC'S

Size	Item #	Price Each	Size	Item #	Price Each	Size	Item #	Price Each
1" X 1/4" Max Safe Speed 30,000 RPM Optimum Performance Speed 18,000 RPM 10 Per Box	QDCUD2AM100	\$8.92	1-1/2" X 1/4" Max Safe Speed 25,000 RPM Optimum Performance Speed 18,000 RPM 10 Per Box	(QR)(QD)CUD2AM150	\$9.54	2" X 1/4" Max Safe Speed 25,000 RPM Optimum Performance Speed 18,000 RPM 10 Per Box	(QR)(QD)CUD2AM200	\$10.46
	QDCUD2SF100	\$8.92		(QR)(QD)CUD2SF150	\$9.54		(QR)(QD)CUD2SF200	\$10.46
	QDCUD3SF100	\$8.92		(QR)(QD)CUD3SF150	\$9.54		(QR)(QD)CUD3SF200	\$10.46
	QDCUD4AF100	\$8.92		(QR)(QD)CUD4AF150	\$9.54		(QR)(QD)CUD4AF200	\$10.46
	QDCUD4SF100	\$8.92		(QR)(QD)CUD4SF150	\$9.54		(QR)(QD)CUD4SF200	\$10.46
	QDCUD6AF100	\$8.92		(QR)(QD)CUD6AF150	\$9.54		(QR)(QD)CUD6AF200	\$10.46
	QDCUD6SF100	\$8.92		(QR)(QD)CUD6SF150	\$9.54		(QR)(QD)CUD6SF200	\$10.46
	QDCUD8AM100	\$8.92		(QR)(QD)CUD8AM150	\$9.54		(QR)(QD)CUD8AM200	\$10.46
QDCUD9AC100	\$8.92	(QR)(QD)CUD9AC150	\$9.54	(QR)(QD)CUD9AC200	\$10.46			



Size	Item #	Price Each	Size	Item #	Price Each
3" X 1/4" Max Safe Speed 20,000 RPM Optimum Performance Speed 12,000 RPM 10 Per Box	(QR)(QD)CUD2AM300	\$12.92	4" X 1/4" Max Safe Speed 20,000 RPM Optimum Performance Speed 12,000 RPM 10 Per Box	(QR)(QD)CUD2AM400	\$29.53
	(QR)(QD)CUD2SF300	\$12.92		(QR)(QD)CUD2SF400	\$29.53
	(QR)(QD)CUD3SF300	\$12.92		(QR)(QD)CUD3SF400	\$29.53
	(QR)(QD)CUD4AF300	\$12.92		(QR)(QD)CUD4AF400	\$29.53
	(QR)(QD)CUD4SF300	\$12.92		(QR)(QD)CUD4SF400	\$29.53
	(QR)(QD)CUD6AF300	\$12.92		(QR)(QD)CUD6AF400	\$29.53
	(QR)(QD)CUD6SF300	\$12.92		(QR)(QD)CUD6SF400	\$29.53
	(QR)(QD)CUD8AM300	\$12.92		(QR)(QD)CUD8AM400	\$29.53
	(QR)(QD)CUD9AC300	\$29.53		(QR)(QD)CUD9AC400	\$29.53

FILE WELD GRINDER OPTIONS – 1/4" THICK

Size	Item #	Price	Size	Item #	Price	Size	Item #	Price
6" X 1/4" X 1/2" Max RPM 6,000	UW2AM6X.25X.5	\$42.42	6" X 1/4" X 5/8" Max RPM 6,000	UW2AM6X.25X.625	\$42.42	6" X 1/4" X 7/8" Max RPM 6,000	UW2AM6X.25X.875	\$42.42
	UW2SF6X.25X.5	\$42.42		UW2SF6X.25X.625	\$42.42		UW2SF6X.25X.875	\$42.42
	UW3SF6X.25X.5	\$42.42		UW3SF6X.25X.625	\$42.42		UW3SF6X.25X.875	\$42.42
	UW4AF6X.25X.5	\$42.42		UW4AF6X.25X.625	\$42.42		UW4AF6X.25X.875	\$42.42
	UW4SF6X.25X.5	\$42.42		UW4SF6X.25X.625	\$42.42		UW4SF6X.25X.875	\$42.42
	UW6AF6X.25X.5	\$42.42		UW6AF6X.25X.625	\$42.42		UW6AF6X.25X.875	\$42.42
	UW6SF6X.25X.5	\$42.42		UW6SF6X.25X.625	\$42.42		UW6SF6X.25X.875	\$42.42
	UW8AM6X.25X.5	\$42.42		UW8AM6X.25X.625	\$42.42		UW8AM6X.25X.875	\$42.42
UW9AC6X.25X.5	\$42.42	UW9AC6X.25X.625	\$42.42	UW9AC6X.25X.875	\$42.42			

FILE WELD GRINDER WHEEL OPTIONS – 1/8" THICK

Size	Item #	Price	Size	Item #	Price	Size	Item #	Price
6" x 1/8" x 5/8" Max RPM 6,000	UW2SF6X.125X.625	\$26.76	6" x 1/8" x 5/8" Max RPM 6,000	UW2SF6X.125X.875	\$26.76	6" x 1/8" x 1" Max RPM 6,000	UW2SF6X.125X1	\$26.76
	UW4AF6X.125X.625	\$26.76		UW4AF6X.125X.875	\$26.76		UW4AF6X.125X1	\$26.76
	UW4AM6X.125X.625	\$26.76		UW4AM6X.125X.875	\$26.76		UW4AM6X.125X1	\$26.76
	UW6AF6X.125X.625	\$26.76		UW6AF6X.125X.875	\$26.76		UW6AF6X.125X1	\$26.76
	UW6AM6X.125X.625	\$26.76		UW6AM6X.125X.875	\$26.76		UW6AM6X.125X1	\$26.76



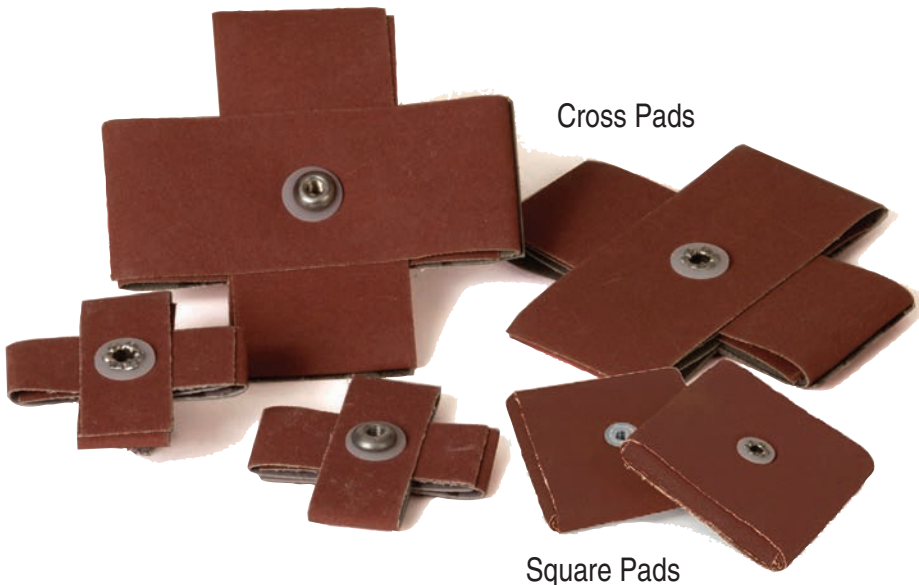
LS 309: Aluminum Oxide, fully resin bonded, J or J-flex cotton cloth for polishing ferrous or non-ferrous metals and hardwoods where belt conformability to the work piece is required. Narrow belts and some intermediate belts. XH backing is for portable belts only.

CS 310: Aluminum Oxide, X or X-Flex cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 411 X: ****** Alumina Zirconia resin-bonded, with X-weight cloth backing for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry. **** Add 30% to final price**

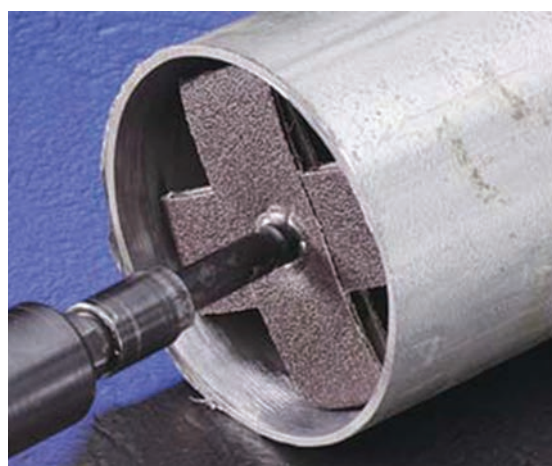
CS 412 Y: ***** Aluminum Oxide, resin bonded, Y-weight, polyester-backings for use wet or dry on ferrous or non-ferrous metals. Also suitable for sanding hardwoods.

***Add 5% to final price**



Cross Pads

Square Pads



SQUARE PADS

Size	Grits	Max RPM	Price Per Each
1" x 1" x 8 ply 8-32 eyelet	60,80,120	25,000	\$2.43
1-1/2" x 1-1/2" x 1/2" 1/4-20 eyelet	60,80	25,000	\$4.47
2" x 2" x 1/2" 1/4-20 eyelet	60,80	20,000	\$6.02
2" x 2" x 3/4" 1/4-20 eyelet	50,80	20,000	\$6.02
3" x 3" x 1/4" 1/4-20 eyelet	80	14,000	\$6.60
3" x 3" x 1/2" 1/4-20 eyelet	50,60,80	14,000	\$6.60

SEARCH "SQP" FOR ITEM #'S

CROSS PADS

Size	Grits	Max RPMs	Price Per Each
1-1/2" x 1-1/2" x 1/2" 8 ply 8-32 eyelet	60,80,100,120	25,000	\$2.31
2" x 2" x 1/2" 8 ply 8-32 eyelet	60,80,120	20,000	\$2.40
2" x 2" x 3/4" 8 ply 8-32 eyelet	60,80,120	20,000	\$2.40
2" x 2" x 1" 8 ply 8-32 eyelet	120	20,000	\$2.40
2-1/4" x 2-1/4" x 1/2" 8 ply 8-32 eyelet	80	20,000	\$2.67
2-1/2" x 2-1/2" x 3/4" 8 ply 8-32 eyelet	80,120	20,000	\$2.83
3" x 3" x 1" 8 ply 1/4-20 eyelet	60,80,120	14,000	\$3.30
4" x 4" x 1" 8 ply 1/4-20 eyelet	60,80,120	14,000	\$4.24
4" x 4" x 1-1/2" 8 ply 1/4-20 eyelet	80,120	14,000	\$4.24

SEARCH "CP" FOR ITEM #'S

CROSS BUFFS

Size	Max RPMs	Price Per Each
1" x 1" x 2 ply w/ 8-32 threaded eyelet	20,000	\$4.06
1" x 1" x 3 ply w/ 8-32 threaded eyelet	20,000	\$4.06
1-1/2" x 1-1/2" x 2 ply w/ 8-32 threaded eyelet	20,000	\$4.50
1-1/2" x 1-1/2" x 3 ply w/ 8-32 threaded eyelet	20,000	\$4.50

CROSS PAD & BUFF MANDRELS

6" x 1/4" x 8-32	
CBMANDREL6X1/4X8-32	\$19.40
8" x 1/4" x 8-32	
CBMANDREL8X1/4X8-32	\$21.53
6" x 1/4" x 1/4"-20	
CPMANDREL6X1/4-20	\$15.36
2.92" x 1/4" x 8-32	
CPMANDREL2.92-1/4X8-32	\$8.99
3" x 1/4" x 1/4"-20	
CPMANDREL3-1/4-20	\$13.20

Use same mandrels as Cross Pads



SPONGE BOX SQUARE PADS - For Dry Use Only

Sponge Box Square Pads are available in 2 material types: PS 73W aluminum oxide stearate and PS 35 silicon carbide stearate. Both are applied to a pliable, yet durable foam roll. This spongy foam roll has been perforated for a quick dispersion of the 4-1/2 X 5-1/2 square pads. Sponge box square pads are ideal for every finishing department.

Size	Grit	Item #	Price Per Box	Size	Grit	Item #	Price Per Box
4.5" X 5.5	073 0180W	SPONGEBOX180	\$90.44	4.5" X 5.5	035 0220W	SPONGEBOXPS35220	\$80.44
130/RL	073 0220W	SPONGEBOX220	\$90.44	130/RL	035 0320W	SPONGEBOXPS35320	\$80.44
	073 0240W	SPONGEBOX240	\$90.44		035 0400W	SPONGEBOXPS35400	\$80.44
	073 0320W	SPONGEBOX320	\$90.44				
	073 0400W	SPONGEBOX400	\$90.44				
	073 0600W	SPONGEBOX600	\$90.44				
	073 0800W	SPONGEBOX800	\$90.44				



FUSION FOAM

Fusion Foam is uniquely engineered, eco-friendly, flexible, and non-loading. The adhesive system locks our abrasive grain in place while providing exceptionally long life over competitive products.

- The high quality silicon carbide, as well as both brown and white aluminum oxide abrasive grains are applied directly to the foam surface.
- Resists loading due to Proprietary grain to foam adhesion, which reduces heat build-up.
- Designed and engineered to obtain an even, uniform surface on contoured or flat surfaces.
- Because of the special coating of the foam, the flexibility of the disc requires no costly, time-consuming interface pads.
- Fusion Foam may be used either wet or dry.
- Fusion Foam Discs attach quickly and easily by way of a special velour backing and releases just as quickly from your hook & loop ready backing pad.



FUSION PADS

Size	Grit	Price Per Pad
3"x4-1/4"x1/2"* 5/Box	600-700	\$2.06
	280-380	\$2.06
	220-320	\$2.06
	120-150	\$2.06
3"x4-1/4"x5mm* 5/Box	1800-2500	\$2.06
	1200-1500	\$2.06
	800-1200	\$2.06
	600-700	\$2.06
	280-380	\$2.06
	220-320	\$2.06
	120-150	\$2.06

10 MM FUSION FOAM

KLINGSPOR's new 10 MM thick Fusion Foam has the capability to scuff and sand both flat and contoured surfaces without leaving deep scratches. Curved and sloped surfaces as well as cabinet door profiles and raised panels are all perfect applications for this product. Also great for turned workpieces. Sizes will be set up as needed.

Size	Grit	Price Per Pad
3"x4-1/4"x10mm* 5/Box	1000 SC	\$2.89
	600-700 AO	\$2.89
	280-380 AO	\$2.89
	220-320 AO	\$2.89
	120-150 AO	\$2.89

FUSION DISCS

Diameter	Grit	Price Per Disc
3"	2800-3500	\$3.92
	1800-2500	\$3.92
	1200-1500	\$3.92
	800-1200	\$3.92
5"	2800-3500	\$6.78
	1800-2500	\$6.78
	1200-1500	\$6.78
	800-1200	\$6.78
	600-700	\$4.32
	220-320	\$4.32
	120-150	\$4.32
	6"	2800-3500
5/Box	1800-2500	\$8.65
	1200-1500	\$8.65
	800-1200	\$8.65
	600-700	\$5.58
	220-320	\$5.58
	120-150	\$5.58

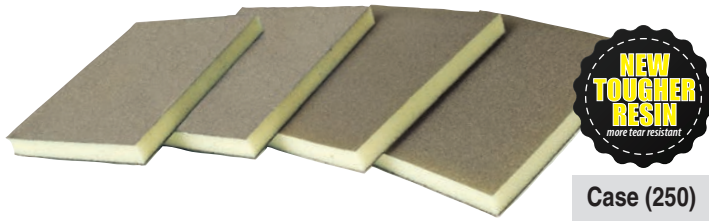


Fusion Foam



SEARCH FF PLUS LOW END GRIT. EX: FF120

FOAM SANDING PADS - For Dry Use Only



Unit	SC Item #	AO Item #	Grit	Price Per Pack
10 Pack	FS220SC-10	FS220AO-10	220	\$22.57
	FS180SC-10	FS180AO-10	180	\$22.57
	FS120SC-10	FS120AO-10	120	\$22.57
	FS100SC-10	FS100AO-10	100	\$22.57
	FS080SC-10	FS080AO-10	80	\$22.57
	FS060SC-10	FS060AO-10	60	\$22.57
	Case (250)	FOAMSAND220SC	FOAMSANDING220	220
FOAMSAND180SC		FOAMSANDING180	180	\$507.74
FOAMSAND120SC		FOAMSANDING120	120	\$507.74
FOAMSAND100SC		FOAMSANDING100	100	\$507.74
FOAMSAND080SC		FOAMSANDING080	80	\$507.74
FOAMSAND060SC		FOAMSANDING060	60	\$507.74

The Foam Sanding Pad can be used on severely profiled parts, because it is more flexible and much thinner. The foam pad measures 3.5" x 4.5" and 1/2" thick. KLINGSPOR Foam Sanding Sponges are now produced with the latest technological advances. These general purpose foam pads are solvent free and outperform other similar pads on the market. **Best used with light pressure.**



ULTRA FLEX SANDING PADS - For Wet / Dry Use

The UltraFlex Sanding Pads are the premium foam pads on the market. These incorporate a dense foam structure and a full, even coating of either ALUMINUM OXIDE or SILICON CARBIDE grains. This makes for an extremely long-lasting pad that is very flexible for finish-sanding of contoured parts and profiles. The pad measures 4-1/2" wide and 5-1/2" long. **Best used with light pressure.**

Unit	SC Item #	AO Item #	Grit	Price Per Pack
10 Pack	UF320SC-10	UF320AO-10	320	\$22.57
	UF220SC-10	UF220AO-10	220	\$22.57
	UF180SC-10	UF180AO-10	180	\$22.57
	UF120SC-10	UF120AO-10	120	\$22.57
	UF100SC-10	UF100AO-10	100	\$22.57

SEARCH "ULTRAFLEX" FOR ITEM #'S

SANDING SPONGES - For Dry Use Only

Our Sanding Sponge* is meant for the sanding of slight contours and flat parts. It measures approximately 4" in length, 3" in width and 1 1/4" thick. **Best used with light pressure.**

Unit	Item #	Grit	Price Per Pack	Unit	Item #	Grit	Price Per Pack
10 Pack	SS220-10	220	\$22.57	Case (250)	SANDINGSPONG220	220	\$507.74
	SS180-10	180	\$22.57		SANDINGSPONG180	180	\$507.74
	SS120-10	120	\$22.57		SANDINGSPONG120	120	\$507.74
	SS100-10	100	\$22.57		SANDINGSPONG100	100	\$507.74
	SS080-10	80	\$22.57		SANDINGSPONG080	80	\$507.74
	SS060-10	60	\$22.57		SANDINGSPONG060	60	\$507.74



* Sponges are available in Aluminum Oxide only.

SEARCH "SANDING SPONGE" FOR ITEM #'S

ANGLED SANDING SPONGES - For Dry Use Only

Our Sanding Sponge is meant for the sanding of slight contours and flat parts. It measures approximately 4" in length, 3" in width and 1-1/4" thick. **Best used with light pressure.**

Unit	Item #	Grit	Price Per Pack	Unit	Item #	Grit	Price Per Pack
10 Pack	SS220SA-10	220	\$28.29	Case (250)	SANDINGSPONG220SA	220	\$643.90
	SS180SA-10	180	\$28.29		SANDINGSPONG180SA	180	\$643.90
	SS120SA-10	120	\$28.29		SANDINGSPONG120SA	120	\$643.90
	SS100SA-10	100	\$28.29		SANDINGSPONG100SA	100	\$643.90
	SS060SA-10	60	\$28.29		SANDINGSPONG060SA	60	\$643.90



* Sponges are available in Aluminum Oxide only.

SEARCH "SANDING SPONGE" FOR ITEM #'S



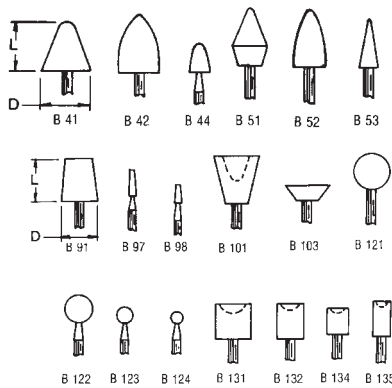
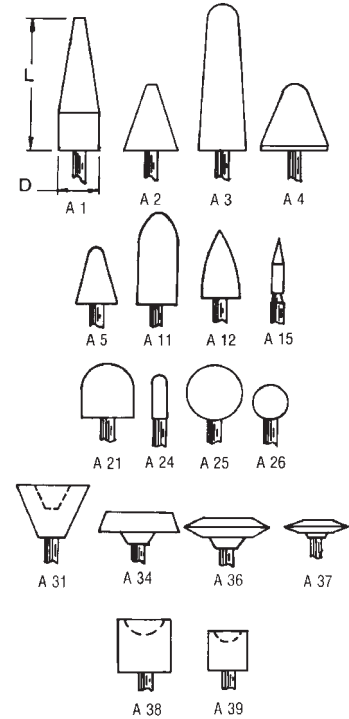
Klingspor's Mounted Points have been developed for safe, high performance use. Quality is consistently excellent, as you would expect from products with the Klingspor name. Over 100 different shapes and a variety of sizes, bonds, grits, etc. are available to suit virtually any metal grinding need.

All Mounted Points must be purchased in quantities of 10

SEARCH "MP" FOR ITEM #'S

GROUP "A" SPECIAL SHAPES - 1/4" SHANKS

Shape	Dia x Length	Max RPM	Red	Blue	Price Per Pack of 10
A1	3/4" x 2-1/4"	19,800	60	60	\$87.23
A2	1" x 1-1/4"	38,200	60	60	\$53.33
A3	1" x 2-3/4"	16,100	60	60	\$94.58
A3	1" x 2-3/4"	16,100	36	36	\$94.58
A4	1-1/4" x 1-1/4"	30,560	60	60	\$50.43
A5	3/4" x 1-1/8"	45,000	60	60	\$50.43
A11	7/8" x 2"	19,860	60	60	\$64.28
A11	7/8" x 2"	19,860	36	36	\$64.28
A12	1-1/16" x 1-1/4"	48,000	60	60	\$59.79
A14	1-1/16" x 7/8"	55,560	60	60	\$37.69
A15	1/4" x 1-1/16"	72,750	60	60	\$48.65
A21	1" x 1"	34,500	60	60	\$41.26
A24	1/4" x 3/4"	76,500	60	60	\$34.79
A25	1" x 1"	35,620	60	60	\$41.26
A26	5/8" x 5/8"	61,120	60	60	\$36.81
A31	1-3/8" x 1"	27,780	60	60	\$50.43
A32	1" x 5/8"	38,000	60	60	\$37.69
A34	1-1/2" x 3/8"	25,470	60	60	\$44.19
A36	1-5/8" x 3/8"	23,520	60	60	\$50.43
A37	1-1/4" x 1/4"	30,560	60	60	\$37.69
A38	1" x 1"	34,500	60	60	\$34.79
A39	3/4" x 3/4"	47,250	60	60	\$28.55



GROUP "B" SPECIAL SHAPES - 1/8" SHANKS

Shape	Dia x Length	Max RPM	Red	Blue	Price Per Pack of 10
B41	5/8" x 5/8"	33,750	60	60	\$36.81
B42	1/2" x 3/4"	33,750	60	60	\$34.79
B44	7/32" x 3/8"	68,400	60	60	\$32.12
B44	7/32" x 3/8"	68,400	90	90	\$32.12
B45	3/16" x 5/16"	104,250	90	90	\$30.60
B51	7/16" x 3/4"	45,370	60	60	\$34.79
B52	3/8" x 3/4"	45,370	60	60	\$34.79
B53	1/4" x 5/8"	60,000	60	60	\$34.79
B91	1/2" x 5/8"	34,500	60	60	\$28.55
B96	1/8" x 1/4"	105,000	90	90	\$28.55
B97	1/8" x 3/8"	105,000	90	90	\$32.12
B97	1/8" x 3/8"	105,000	120	120	\$32.12
B98	3/32" x 1/4"	105,000	90	90	\$36.81
B101	5/8" x 11/16"	33,750	60	60	\$34.79
B103	5/8" x 3/16"	61,120	60	60	\$32.12
B121	1/2" x 1/2"	45,370	60	60	\$24.72
B122	3/8" x 3/8"	61,650	60	60	\$21.96
B123	3/16" x 3/16"	104,250	90	90	\$28.55
B124	1/8" x 1/8"	105,000	90	90	\$25.66
B131	1/2" x 1/2"	34,500	60	60	\$25.66
B132	3/8" x 1/2"	45,370	60	60	\$25.66
B134	5/16" x 3/8"	61,650	60	60	\$25.66
B135	1/4" x 1/2"	60,000	60	60	\$25.66



****While all Mounted Points listed are available, not all are in-stock items. Be sure to inquire about availability.**



GROUP "W" PLAIN SHAPES

****While all Mounted Points listed are available, not all are in-stock items.
Be sure to inquire about availability.**



Shape	Diameter x Length	Shank Size	Max RPM	Red	Blue	Price Per Pack of 10
W142	3/32" x 1/4"	1/8"	105,000	90	90	\$22.99
W142	3/32" x 1/4"	1/8"	105,000	120	120	\$22.99
W144	1/8" x 1/4"	1/8"	105,000	60	60	\$22.99
W145	1/8" x 3/8"	1/8"	105,000	60	60	\$25.66
W146	1/8" x 1/2"	1/8"	105,000	60	60	\$25.66
W152	3/16" x 1/4"	1/8"	105,000	60	60	\$22.99
W153	3/16" x 3/8"	1/8"	80,850	60	60	\$25.66
W154	3/16" x 1/2"	1/8"	70,500	60	60	\$25.66
W160	1/4" x 1/4"	1/8"	81,370	60	60	\$22.99
W162	1/4" x 3/8"	1/8"	68,400	60	60	\$25.66
W163	1/4" x 1/2"	1/8"	60,000	60	60	\$25.66
W164	1/4" x 3/4"	1/8"	45,900	60	60	\$26.54
W175	3/8" x 3/8"	1/8"	54,000	60	60	\$26.54
W176	3/8" x 1/2"	1/8"	45,370	60	60	\$25.66
W178	3/8" x 1"	1/8"	26,250	60	60	\$28.55
W179	3/8" x 1-1/4"	1/4"	45,750+	60	60	\$36.81
W185	1/2" x 1/2"	1/8"	34,500	60	60	\$25.66
W186	1/2" x 3/4"	1/8"	26,250	60	60	\$26.54
W187	1/2" x 1"	1/8"	20,620	60	60	\$28.55
W188	1/2" x 1-1/2"	1/4"	30,370+	60	60	\$44.19
W189	1/2" x 2"	1/4"	24,000+	60	60	\$55.10
W200	3/4" x 1/8"	1/8"	50,930	60	60	\$19.74
W204	3/4" x 3/4"	1/4"	18,900+	60	60	\$28.55
W205	3/4" x 1"	1/4"	34,900+	60	60	\$32.12
W206	3/4" x 1-1/4"	1/4"	28,720	60	60	\$37.69
W208	3/4" x 2"	1/4"	18,750+	60	60	\$57.79
W210	7/8" x 1/16"	1/8"	43,650	120	120	\$25.77
W215	1" x 1/8"	1/8"	38,200	60	60	\$20.42
W218	1" x 1/2"	1/4"	38,200+	60	60	\$28.55
W219	1" x 3/4"	1/4"	35,100+	60	60	\$32.12
W220	1" x 1"	1/4"	25,500+	60	60	\$34.89
W221	1" x 1-1/2"	1/4"	19,120+	60	60	\$48.65
W222	1" x 2"	1/4"	15,900+	60	60	\$59.79
W225	1-1/4" x 1/4"	1/4"	30,560+	60	60	\$32.12
W235	1-1/2" x 1/4"	1/4"	25,470+	60	60	\$34.79
W236	1-1/2" x 1/2"	1/4"	25,470+	60	60	\$36.81
W242	2" x 1"	1/4"	19,100+	60	60	\$55.10

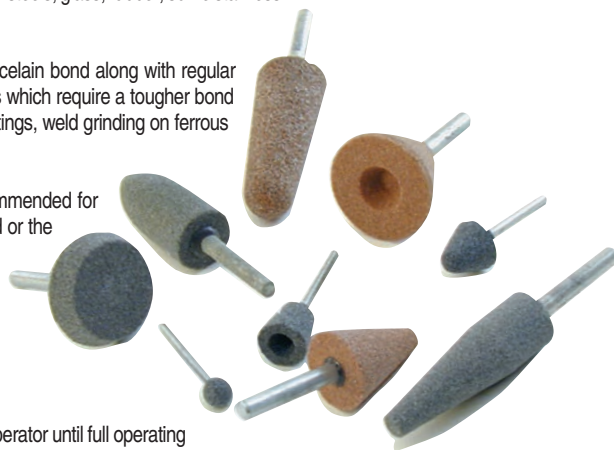
Red General Purpose Mounted Points - These vitrified wheels are made with a clay bond along with premium white ALUMINUM OXIDE. They are best suited for grinding hardened tool steels which require a softer cutting wheel and will also effectively grind other materials such as hardened steels, glass, rubber, some stainless steels, wood, aluminum(hard), carbon steels and plastics.

Blue General Purpose Mounted Points - Also vitrified wheels, the blue mounted points are made with a porcelain bond along with regular ALUMINUM OXIDE grain. They are best suited for grinding low carbon steels or pre-hardened tool steels which require a tougher bond strength. These wheels will also effectively grind in heavier duty applications such as foundry work on castings, weld grinding on ferrous metals, hard brass and hard bronze.

Safety and Use of Mounted Wheels - Mounted wheels should be used with all the safety precautions recommended for grinding wheels. Each wheel should be inspected before use to make sure that the wheel is not damaged or the mandrel is not bent. Safe operating speeds are determined by shape and size, diameter of the mandrel and overhang (distance from end of support to base of wheel).

- DO NOT EXCEED THE SPEED INDICATED. • DO NOT USE EXCESSIVE WORK PRESSURE.
- DO NOT OPERATE A MOUNTED WHEEL WHICH IS NOT CAREFULLY MOUNTED AND RUNNING TRUE.
- USE FACE PROTECTION AT ALL TIMES.

It is good practice, when starting hand grinders, to hold the grinder pointed downward and away from the operator until full operating speed is attained. If excessive vibration is felt, stop the grinder at once.



CARTRIDGE ROLLS

Item #	Size	Max RPM	Grit	Mandrel #	Description	Price Per 100
CR0601038AST	3/8" x 1-1/2" x 1/8"	25,000	60	2	Straight A/O	\$82.14
CR0801038AST	3/8" x 1-1/2" x 1/8"	25,000	80	2	Straight A/O	\$84.64
CR1201038AST	3/8" x 1-1/2" x 1/8"	25,000	120	2	Straight A/O	\$84.64
CR1801038AST	3/8" x 1-1/2" x 1/8"	25,000	180	2	Straight A/O	\$89.86
CR0601225AST	1/2" x 1" x 1/8"	25,000	60	1	Straight A/O	\$74.41
CR0801225AST	1/2" x 1" x 1/8"	25,000	80	1	Straight A/O	\$77.03
CR1201225AST	1/2" x 1" x 1/8"	25,000	120	1	Straight A/O	\$79.55
CR2401225AST	1/2" x 1" x 1/8"	25,000	240	1	Straight A/O	\$82.14
CR0401238AST	1/2" x 1-1/2" x 1/8"	25,000	40	2	Straight A/O	\$105.25
CR0601238AST	1/2" x 1-1/2" x 1/8"	25,000	60	2	Straight A/O	\$102.63
CR0801238AST	1/2" x 1-1/2" x 1/8"	25,000	80	2	Straight A/O	\$105.25
CR1201238AST	1/2" x 1-1/2" x 1/8"	25,000	120	2	Straight A/O	\$105.25
CR1801238AST	1/2" x 1-1/2" x 1/8"	25,000	180	2	Straight A/O	\$112.94
CR2401238AST	1/2" x 1-1/2" x 1/8"	25,000	240	2	Straight A/O	\$115.50
CR0601250AST	1/2" x 2" x 1/8"	25,000	60	3	Straight A/O	\$125.75
CR0801250AST	1/2" x 2" x 1/8"	25,000	80	3	Straight A/O	\$128.32
CR1201250AST	1/2" x 2" x 1/8"	25,000	120	3	Straight A/O	\$130.93
CR0602038AST	3/4" x 1-1/2" x 1/8"	25,000	60	2	Straight A/O	\$174.54
CR0802038AST	3/4" x 1-1/2" x 1/8"	25,000	80	2	Straight A/O	\$174.54
CR0602038BST	3/4" x 1-1/2" x 1/4"	25,000	60	4	Straight A/O	\$174.54
CR0802038BST	3/4" x 1-1/2" x 1/4"	25,000	80	4	Straight A/O	\$177.09
CR1202038BST	3/4" x 1-1/2" x 1/4"	25,000	120	4	Straight A/O	\$182.23
CR1002050AST	3/4" x 2" x 1/8"	25,000	100	3	Straight A/O	\$241.41
CR1202050AST	3/4" x 2" x 1/8"	25,000	120	3	Straight A/O	\$241.29
CR0601025AFT	3/8" x 1" x 1/8"	25,000	60	1	Full Taper A/O	\$76.99
CR0801025AFT	3/8" x 1" x 1/8"	25,000	80	1	Full Taper A/O	\$80.08
CR1201025AFT	3/8" x 1" x 1/8"	25,000	120	1	Full Taper A/O	\$133.43
CR1801025AFT	3/8" x 1" x 1/8"	25,000	180	1	Full Taper A/O	\$136.05
CR0501038AFT	3/8" x 1-1/2" x 1/8"	25,000	50	2	Full Taper A/O	\$141.17
CR0801038AFT	3/8" x 1-1/2" x 1/8"	25,000	80	2	Full Taper A/O	\$84.64
CR1201038AFT	3/8" x 1-1/2" x 1/8"	25,000	120	2	Full Taper A/O	\$84.64
CR0601225AFT	1/2" x 1" x 1/8"	25,000	60	1	Full Taper A/O	\$74.41
CR0801225AFT	1/2" x 1" x 1/8"	25,000	80	1	Full Taper A/O	\$77.03
CR0361238AFT	1/2" x 1-1/2" x 1/8"	25,000	36	2	Full Taper A/O	\$107.42
CR0601238AFT	1/2" x 1-1/2" x 1/8"	25,000	60	2	Full Taper A/O	\$102.63
CR0801238AFT	1/2" x 1-1/2" x 1/8"	25,000	80	2	Full Taper A/O	\$105.25
CR1201238AFT	1/2" x 1-1/2" x 1/8"	25,000	120	2	Full Taper A/O	\$105.25
CR1801238AFT	1/2" x 1-1/2" x 1/8"	25,000	180	2	Full Taper A/O	\$112.94
CR0601250AFT	1/2" x 2" x 1/8"	25,000	60	3	Full Taper A/O	\$125.75
CR0801250AFT	1/2" x 2" x 1/8"	25,000	80	3	Full Taper A/O	\$128.32
CR1201250AFT	1/2" x 2" x 1/8"	25,000	120	3	Full Taper A/O	\$130.93

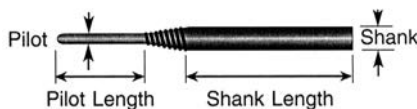


Also available in Alumina Zirconia - call for pricing

When ordering cartridge rolls, be sure to specify whether it needs to be straight (ST) or fully tapered (FT).



SEARCH "CR411" FOR AZ CARTRIDGE ROLLS



MANDRELS - CALL FOR OTHER SIZES

Cartridge Rolls of 1" Length 3/4" Pilot Length
 Cartridge Rolls of 1-1/2" Length 1" Pilot Length
 Cartridge Rolls of 2" Length 1 1/2" Pilot Length

MANDREL NUMBER	ITEM NUMBER	PILOT	PILOT LENGTH	SHANK	SHANK LENGTH	OVERALL LENGTH	PRICE PER MANDREL
1	CRMANDREL700717	1/8"	3/4"	1/4"	1-1/4"	2-1/2"	\$5.78
2	CRMANDREL710190	1/8"	1"	1/4"	1-1/4"	2-3/4"	\$5.77
3	CRMANDREL708875	1/8"	1-1/2"	1/4"	1-1/4"	3-1/4"	\$5.77
4	CRMANDREL712584	1/4"	1"	1/4"	1-1/4"	3"	\$5.76



SM 611 ABRASIVE FLAPWHEELS

Flapwheels in this column **require** SMD 612 Mounting Plates

Diameter x Width	Grit	Price Per Flapwheel	Diameter x Width	Grit	Price Per Flapwheel
4" x 2"	180	\$46.19	12" x 1-3/16"	180	\$185.91
9,500 RPM	100	\$44.14	3,200 RPM	100	\$172.13
	60	\$38.75	12" x 2"	180	\$258.78
	50	\$38.75	3,200 RPM	120	\$216.76
5-1/2" x 1"	240	\$46.19		60	\$185.91
6,800 RPM	180	\$38.75		50	\$185.91
	100	\$34.82	12" x 3"	240	\$412.08
	80	\$34.82	3,200 RPM	60	\$251.35
	60	\$31.31	14" x 2"	220	\$348.42
5-1/2" x 2"	220	\$58.67	2,500 RPM	120	\$276.18
6,800 RPM	100	\$54.14		80	\$276.18
	80	\$54.14	16" x 3"	320	\$655.69
	60	\$46.19	2,300 RPM	180	\$655.69
	40	\$46.19		60	\$446.49
10" x 1"	240	\$137.01	SEARCH "611" FOR ITEM #'S		
3,800 RPM	180	\$119.47	<ul style="list-style-type: none"> • 4", 5", 5 1/2", & 12" wheels can be customized to be used with mounting plates. 2-3 week lead time. • 14", & 16" wheels can be customized for use with mounting plates if "Intent to Purchase" of minimum QTY's is signed. 10 - 12 week lead time. • Only most common items with purchase history are shown. 		
	120	\$103.43			
	80	\$103.43			
10" x 2"	320	\$220.13			
3,800 RPM	240	\$220.13			
	120	\$168.07			
	80	\$168.07			
	60	\$144.22			
	40	\$144.22			
	320	\$284.69			
10" x 3"	120	\$216.76			
3,800 RPM	60	\$185.91			

Flapwheels in these two columns **cannot use** SMD 612 Mounting Plates

Diameter x Width	Grit	Price Per Flapwheel	Diameter x Width	Grit	Price Per Flapwheel
6" x 1" x 1"	320	\$51.39	8" x 1" x 1"	240	\$95.03
	180	\$47.45	4,800 RPM	120	\$75.08
	120	\$40.82		100	\$75.08
	80	\$40.81		80	\$75.08
	60	\$37.46		60	\$65.02
	40	\$36.79	8" x 1 3/16" x 1"	180	\$95.03
6" x 2" x 1"	120	\$71.44	4,800 RPM	120	\$82.23
	80	\$66.48		80	\$81.70
	60	\$54.14		60	\$75.08
	50	\$51.93	8" x 2" x 1"	320	\$174.91
	40	\$42.01	4,800 RPM	220	\$147.82
6-1/2" x 1" x 1"	320	\$56.57		180	\$144.93
5,800 RPM	240	\$56.57		120	\$117.33
	220	\$51.40		100	\$117.33
	180	\$51.40		80	\$117.33
	120	\$43.75		60	\$97.63
	100	\$43.75	10" x 2" x 1"	320	\$224.54
	80	\$43.75	3,800 RPM	240	\$220.13
	60	\$39.86		180	\$198.39
	50	\$39.86			
	40	\$39.86			
6-1/2" x 2" x 1"	320	\$92.39			
5,800 RPM	240	\$92.39			
	220	\$82.10			
	180	\$82.10			
	120	\$72.10			
	100	\$72.10			
	80	\$72.09			
	60	\$60.38			
	50	\$60.38			
	40	\$60.38			

** 1" arbor holes of 6", 8", & 10" wheels can be bored out to up to 1-1/2".

*** The widths of 6", 8", & 10" wheels can be varied between 1/2" minimum width and 3" maximum width, with a 2-3 week lead time.

**While all SM 611 Flapwheels listed are available, not all are in-stock items. Be sure to inquire about availability. SM 611 Flap Wheels are difficult to stock – inventory costs are quite large. Due to this, please request that your customers commit to purchasing minimum order quantities. For 14" & 16" Diameters, MOQ = 4 Pieces

SM 612 MOUNTING PLATES

REQUIRED! Top quality alignment for your SM 611 flapwheels. For repeated use with SM 611 and the Mac Mop. Specify arbor hole size. **Flanges for 4" Flapwheels thru 12" Flapwheels are Galvanized Steel. Flanges for 14" Flapwheels thru 16" Flapwheels are Aluminum Castings.**

Flapwheel Diameter	Diameter of Plates (Inches)	Standard Bore (Inches)	Maximum Bore (Inches)	Price Per Pair
4"	2-3/16"	3/8"	3/4"	\$24.66
5-1/2"	2-3/16"	3/8"	3/4"	\$24.66
* 6-1/2"	3-1/8"	1/2"	1-11/16"	\$24.66
10"	4-3/4"	9/16"	2"	\$58.34
12"	6"	3/4"	2"	\$89.10
14"	8"	1"	3-1/8"	\$297.09
16"	9"	1"	3-1/8"	\$332.29

* Mac Mop mounting plate size.



The 8" flap wheel uses the same mounting plates as the 10" wheel



SPINDLE MOUNTED MAC MOP



The very best tool for final finishing, polishing, and making decorative finishes on severe profiles. 1/4" shank allows mounting in many 1/4" tools.



Dia x Width	Grit	Price Per Mop
7" x 1" x 1/4"	240	\$53.36
4,200 MAX RPM	180	\$53.36
	120	\$53.36
	80	\$53.36
7" x 2" x 1/4"	240	\$60.99
4,200 MAX RPM	180	\$60.99
	120	\$60.99
	80	\$60.99

SEARCH "MM" FOR ITEM #'S

MAC MOP



The very best tool for final finishing, polishing, and making decorative finishes on severe profiles. **Must be used with KLINGSPOR SMD 612 - 6-1/2" mounting plates.**

Dia x Width	Grit	Price Per Mop
10" x 2"	180	\$213.25
	150	\$213.25
	120	\$184.34
	100	\$184.34
	80	\$184.34
10" x 4"	180	\$379.53
	150	\$379.53
	120	\$314.00
	100	\$314.00
	80	\$314.00

Recommended RPM 1,700 - 2,500

SEARCH "MAC" FOR ITEM #'S

Mac Mops can be "stacked" on the same spindle but each one requires its own set of SM612 mounting plates.

KM 613 SPINDLE MOUNTED FLAPWHEEL



VERY IMPORTANT
NOT TO EXCEED
RECOMMENDED RPM!

Superb for finish-sanding of small metal contoured parts, in and around radii or into holes. Available Grits: 40, 60, 80, 120, 180, 240 • Minimum Package: 1 Box of 10 per size and grit *Other sizes are available. Please call for pricing.

Dia x Width x Spindle	Max RPM	Price Per Flapwheel
1" x 1/2" x 1/4"	30,000	\$7.56
1" x 1" x 1/4"	30,000	\$8.08
1-1/2" x 1/2" x 1/4"	25,000	\$8.58
1-1/2" x 1" x 1/4"	25,000	\$9.61
2" x 1/2" x 1/4"	25,000	\$10.01
2" x 3/4" x 1/4"	25,000	\$10.52
2" x 1" x 1/4"	25,000	\$11.32
2-1/2" x 1/2" x 1/4"	20,000	\$10.72
2-1/2" x 1" x 1/4"	20,000	\$12.18
2-1/2" x 2" x 1/4"	20,000	\$17.61
3" x 1/2" x 1/4"	12,000	\$11.47
3" x 3/4" x 1/4"	12,000	\$13.22
3" x 1" x 1/4"	12,000	\$14.19
3" x 2" x 1/4"	12,000	\$19.91



WSM 617

This useful and versatile flapwheel makes metal finishing easier. The WSM 617 has a solid center with a built-in 5/8"-11 threaded hole for use on most angle-grinders. With this type of flapwheel, the larger surface area of the face is used, making it a quicker way to apply finishing touches or a unique decorative finish to your metal workpiece. For extended life, use at a slower RPM between 7,500 and 8,600. Sold 2 per box.

Dia x Width x Spindle	Maximum RPM	Recommended RPM	120 Grit	80 Grit	60 Grit	40 Grit
4-1/2" x 3/4" x 5/8" - 11"	13,300	8,600	\$30.54	\$30.54	\$28.83	\$28.83

WSM617 great for stainless steel kitchen manufacturers, and blending weld seams for a linear scratch pattern.



KLINGSPOR Flap Brush Part Order Number Reference Key

1ST AND 2ND LETTERS: Flap Brush Type	3RD LETTER: Arbor attachment	4TH AND 5TH LETTER: Material Grade	6TH LETTER: Base Material	7TH LETTER / NUMBER: Brush Density
NF - Full Non-Woven NI - Interleafed Non-Woven FB - Felt Brush	A - 1/4" Spindle shank B - 5/8"-11 C - 3/4" Keyway E - 1" Arbor Hole F - 2" Arbor Hole G - 3" Arbor Hole H - 5" Arbor Hole N - 1/4" - 20 Male	XC - Extra Coarse CR - Coarse MD - Medium VF - Very Fine UF - Ultra Fine NA - No Abrasive	T - Light Weight C&P Z - Zirconia B - High Strength Premium D - High Density Premium F - FMM or Felt A - Light Weight C&P in Very Fine Only	M - Medium Density (Standard) 3 - Digit Grit: Grit of the Interleafs 3 - Digit Diameter: Brush Diameter in mm 3 - Digit Width: Brush Width in mm

Part Number Example:

NI H MD T M 120 - 300 125

*** The above key provides a general format to search for products currently set up in our system. Only items listed on this page and the next are actually stock items. Non-stock items may take 1-2 weeks for production. New items can be configured with adequate potential volume and Technical approval

SPINDLE MOUNTED BRUSHES

Max RPM - 12,000

1" x 1/2" \$9.19 each

NFACRTM-025015

NFAMDTM-025015

NFAVFTM-025015

NIACRTM060-025015

NIAMDTM120-025015

NIAVFTM180-025015

SOLD IN BOXES OF 10

1" x 1" \$9.19 each

NFACRTM-025025

NFAMDTM-025025

NFAVFTM-025025

NIACRTM060-025025

NIAMDTM120-025025

NIAVFTM180-025025

SOLD IN BOXES OF 10

2" x 1" \$16.32 each

NFACRTM-050025

NFAMDTM-050025

NFAVFTM-050025

NIACRTM060-050025

NIAMDTM100-050025

NIAMDTM150-050025

NIAVFAM240-050025

SOLD IN BOXES OF 5

2" x 2" \$32.65 each

NFACRTM-050050

NFAMDTM-050050

NFAVFTM-050050

NIACRTM060-050050

NIAMDTM120-050050

NIAVFTM180-050050

SOLD IN BOXES OF 3

2-3/8" x 2" \$18.34 each

NFAMDTM-060050

NFAVFAM-060050

SOLD IN BOXES OF 5



Max RPM - 8,000

3" x 1" \$22.45 each

NFACRTM-075025

NFAMDTM-075025

NFAVFTM-075025

NIACRTM060-075025

NIAMDTM120-075025

NIAMDTM080-075025

NIAVFTM180-075025

SOLD IN BOXES OF 3

3-1/8" x 2" Full Non-Woven

..... \$42.36 each

NFAMDTM-079050

NFAVFAM-079050

3-1/8" x 2" Interleaf

..... \$42.36 each

NIACRTM060-079050

NIAMDTM100-079050

NIAMDTM150-079050

NIAVFAM240-079050

SOLD IN BOXES OF 3

4" x 1-3/4" \$49.23 each

NIACRTM060-100045

NIAMDTM100-100045

NIAMDTM150-100045

NIAVFAM240-100045

SOLD IN BOXES OF 2



BUFFING BRUSHES
(BRUSHES FOR HAND HELD BUFFERS)



Brushes with 5/8"-11 Female Thread Max RPM - 4,500 **Not for use on angle grinders**

4" x 2" x 5/8"-11	Price
NFBXCTM-100050	\$58.50
NFBCRTM-100050	\$58.50
NFBMDTM-100050	\$58.50
NFBVFTM-100050	\$58.50
NIBCRTM060-100050	\$61.23
NIBMDTM120-100050	\$61.23
NIBVFTM180-100050	\$61.23

4-1/4" x 4" x 5/8"-11	Price
NFBXCTM-110100	\$104.60
NFBCRTM-110100	\$104.60
NFBMDTM-110100	\$104.60
NFBMDZM-110100	\$104.60
NFBVFTM-110100	\$104.60
NIBCRTM060-110100	\$111.12
NIBMDTM120-110100	\$111.12
NIBVFTM180-110100	\$111.12



Brushes with 3/4" Keyway Arbor Hole Max RPM - 4,500

4-1/4" x 4" x 3/4" keyway	Price
NFCXCTM-110100	\$104.60
NFCCR TM-110100	\$104.60
NFCMDTM-110100	\$104.60
NFCMDZM-110100	\$104.60
NFCVFTM-110100	\$104.60
NICCRTM060-110100	\$111.12
NICMDTM120-110100	\$111.12
NICVFTM180-110100	\$111.12

BENCH & PEDESTAL GRINDER BRUSHES



6" x 2" x 1"	Price
NFEMDTM-150050	\$136.12
NIECRTM080-150050	\$142.92
NIEVFAM180-150050	\$142.92

12" x 1" x 5"	Price
NFHMDBM-300025	\$95.28

12" x 1.75" x 5"	Price
NFHMDBH-300045	\$150.06
NFHMDDM-300045	\$150.06

12" x 2" x 5"	Price
NFHMDBM-300050	\$171.51
NFHMDBX-300050	\$171.51

12" x 4" x 5"	Price
NFHMDTM-300100	\$292.87
NFHXCTM-300100	\$292.87

*** SEE MOUNTINGS ON PAGE 67**

FLAP WHEELS FOR BUFFING TOOLS

		Price
40 grit 4" x 4" x 5/8"-11	SM611040100100A	\$83.27
60 grit 4" x 4" x 5/8"-11	SM611060100100A	\$83.27
80 grit 4" x 4" x 5/8"-11	SM611080100100A	\$94.05
120 grit 4" x 4" x 5/8"-11	SM611120100100A	\$88.28
40 grit 4" x 2" x 5/8"-11	SM61104010050A	\$41.25
60 grit 4" x 2" x 5/8"-11	SM61106010050A	\$40.02
80 grit 4" x 2" x 5/8"-11	SM61108010050A	\$40.02

Product not guaranteed for use on Angle Grinder. Typical RPM's are too high. A variable speed angle grinder at low speed might be acceptable.



KPW - KLINGSPOR Polishing Wheels

1ST 3 LETTERS:	4TH LETTER (Material):	3 DIGIT DIAMETER IN MM:	2 DIGIT WIDTH IN MM:	2 DIGIT ARBOR HOLE IN MM:	1 DIGIT STITCH PATTERN:	1 OR 2 DIGIT STITCH SPACING:
KPW	Cotton (T)	4" (100)	1/4" (06)	1/4" (06)	Spiral (A)	1 (1 inch)
	Cotton Treated (C)	5" (127)	3/8" (10)	3/8" (10)	Concentric (B)	.5 (1/2 inch)
	Sisal (S)	6" (150)	1/2" (12)	1/2" (12)	Loose 1 Stitch (C)	.25 (1/4 inch)
	Flannel (F)	10" (250)	3/4" (20)	3/4" (20)	Loose 3 Stitch (D)	
	Sisal/Torculo (S/T)	12" (300)	1" (25)	1" (25)	Loose 2 Stitch (E)	
			14" (350)		1-1/4" (32)	
			16" (400)			
		18" (460)				
KPW	T	150	25	20	A	1

AWB - Airway Buff

1ST 6 LETTERS:	2ND LETTER MATERIAL:	3 DIGIT DIAMETER IN MM:	2 DIGIT ARBOR HOLE IN MM:	2 - 3 DIGIT PLY:
AWB	Cotton (T)	12" (300)	5" (127)	4 Ply (4P)
	Cotton (C)	14" (350)		16 Ply (16P)
	NWT CR	16" (400)		
	NWT MD	18" (450)		
	NWT FN			
	NWT VF			
AWBNWT	FN	400	127	4P

POLISHING WHEELS - Call for additional sizes

Only have 5" Arbor ring and come in 14" and 16" wheels
 Ply- how many sheets they need and a P
 KPWRDUCT5T01-1/4 STEEL REDUCTION 5"to 1-1/4"

	Price
6" x 1" x 1" - Concentric Cotton KPWT1502525B.5	\$15.41
6" x 1/2" x 5/8" - Treated Cotton KPWC1501216B.5	\$23.27
6" x 3/4" x 5/8" - Stitched Sisal KPWS1502016A.25	\$21.01

Most Aggressive



Sisal



Sisal Cotton Spiral



Cotton Concentric

Cotton Treated Concentric



Least Aggressive



Airway Buff Cotton



Airway Buff Non-Woven



Airway Buff Cotton Treated



POLISHING COMPOUNDS

Polish compounds	Treated sisal	Natural sisal	Mill treated cotton	Denim	Canvas	Natural cotton	Flannel
KPC2U	●	●	●				
KPC3U			●	●	●		
KPC4S				●	●	●	
KPC5S						●	●
KPC4SF			●	●	●	●	
	● Recommended						

KPC2U- 20% Color 80% cut • KPC3U- 50% Color 50% cut • KPC4S- 70% Color 30% cut • KPC4SF- 80% Color 20% Cut • KPC5S- 100% Color

KPC2U Product Features / Benefits:

This our heavy cut compound, offer 80% cut and 20% of luster, ideal for stainless steel, carbon steel and hard aluminum, for pre-polish process, this remove some light scratches from previous sanding **KPC2U - HEAVY CUT GREEN** \$11.45

KPC3U Product Features / Benefits:

Medium cut compound, offer 50% cut and 50% of luster, ideal for start polishing non-ferrous metals, very good removing some minor scratches from previous sanding, suitable for use with bias airway buff, cotton & denim wheels

KPC3U - MEDIUM CUT WHITE..... \$11.45

KPC4S Product Features / Benefits:

For mirror finishing process, provide a great shine, 20% cut and 80% luster, this is the final complement after pre-polish with either KCP2 or KCP3, used with treated and non-treated airway buff wheel, sewing cotton wheels or felt fabric Offer shine finishing for all metal in general **KPC4S - UNIVERSAL FINISHING RED** \$16.54

KPC5S Product Features / Benefits:

Compound for a high gloss, extra shine for metal in general, excellent for jewelry, some plastics and paint, mostly used with flannel, cotton and felt

KPC5S - UNIVERSAL FINAL FINISH YELLOW \$40.72

KPC4SF Product Features / Benefits:

It is suitable for mirror polishing on all kinds of metal surfaces especially stainless steel in manual or automatic polishing processes. Also in Titanium and chrome very good results **KPC4SF - SUPER FINISH BLUE**..... \$13.72



FELT PRODUCTS

		Price
2" x 1" x 1/4"	FBANAFM-050025	\$16.33
4-1/4" x 4" x 5/8"-11	FBBNAFM-110100	\$108.85
4-1/4" x 4" x 3/4" keyway	FBCNAFM-110100	\$108.85
2" QRC	QRCF1200 Per Box of 25	\$40.95
3" QRC	QRCF1300 Per Box of 25	\$61.42
4-1/2" x 7/8" Felt Polishing Disc	FPD600115022	\$11.45
5" x 7/8" Felt Polishing Disc	FPD600125022	\$12.72





SPIRAL BANDS FOR OSCILLATING SPINDLE SANDERS

Dia x Width	Grit	Price Per Box
1/2" x 4-1/2"	150	\$25.86
10/Box	100	\$25.86
	60	\$26.11
3/4" x 4-1/2"	150	\$27.30
10/Box	100	\$27.30
	60	\$27.79
1" x 4-1/2"	150	\$28.46
10/Box	100	\$28.46
	60	\$30.11
1 1/2" x 4-1/2"	150	\$30.56
10/Box	100	\$30.56
	60	\$31.30
2" x 4-1/2"	150	\$41.62
10/Box	100	\$41.62
	60	\$43.48
3" x 4-1/2"	150	\$47.26
10/Box	100	\$47.26
	60	\$49.62
1/2" x 9"	150	\$54.83
10/Box	100	\$54.83
	60	\$55.30
3/4" x 9"	150	\$58.31
10/Box	100	\$58.31
	60	\$59.51
1" x 9"	150	\$61.16
10/Box	100	\$61.16
	60	\$63.71
1-1/2" x 9"	150	\$65.37
10/Box	100	\$65.37
	60	\$67.68
2" x 9"	150	\$71.95
10/Box	100	\$71.95
	60	\$75.72
3" x 9"	150	\$82.80
10/Box	100	\$82.80
	60	\$87.47

Other Grits Available.

CLOTH SPIRAL (NO LAP) BANDS

Perfect for edge sanding or in and around holes on metals or wood. May be used on spindle sanders, drill presses or hand held tools. Made from our heavy cloth ALUMINUM OXIDE material.

Dia x Width	Grit	Price Per Box
1/2" x 1/2"	150	\$20.85
25/Box	100	\$20.85
	60	\$20.85
1/2" x 1"	150	\$21.42
25/Box	100	\$21.42
	60	\$21.42
1/2" x 1-1/2"	100	\$23.22
25/Box	60	\$23.22
1/2" x 2"	150	\$30.35
25/Box	100	\$30.35
	60	\$30.35
3/4" x 1"	150	\$21.42
25/Box	100	\$21.42
	60	\$21.42
3/4" x 1-1/2"	60	\$25.02
25/Box		
3/4" x 3"	100	\$48.32
25/Box		
1" x 1"	150	\$22.62
25/Box	100	\$22.62
	60	\$23.22
1" x 1-1/2"	150	\$25.60
25/Box	100	\$25.60
	60	\$26.18
1" x 2"	150	\$35.12
25/Box	100	\$35.12
	60	\$36.90
1" x 3"	150	\$51.77
25/Box	100	\$51.77
	60	\$53.59
1-1/2" x 1"	150	\$23.22
25/Box	100	\$23.22
	60	\$24.43
1-1/2" x 1-1/2"	150	\$26.80
25/Box	100	\$26.80
	60	\$27.39
1-1/2" x 2"	150	\$37.49
25/Box	100	\$37.49
	60	\$38.27
1-1/2" x 2-1/2"	60	\$47.04
25/Box		
1-1/2" x 3"	150	\$55.37
25/Box	100	\$55.37
	60	\$57.14

Spiral Bands are sometimes called "No-Lap Bands" or "Sanding Sleeves".

Dia x Width	Grit	Price Per Box
2" x 1"	150	\$25.60
25/Box	100	\$25.60
	60	\$26.18
2" x 1-1/2"	150	\$30.35
25/Box	100	\$30.35
	60	\$32.73
2" x 2"	150	\$41.04
25/Box	100	\$41.04
	60	\$42.86
2" x 3"	150	\$61.32
25/Box	100	\$61.32
	60	\$64.31

Also available in Alumina Zirconia - call for pricing

SEARCH "NLB" FOR ITEM #'S

RUBBER DRUMS



For use with cloth spiral bands.

Dia x Width x Shank Size	Max RPM	Price Per Drum
1/2" x 1/2" x 1/4"	30,000	\$11.17
1/2" x 1" x 1/4"	15,000	\$11.07
3/4" x 1" x 1/4"	13,000	\$11.02
3/4" x 1-1/2" x 1/4"	10,000	\$14.10
3/4" x 2" x 1/4"	9,000	\$16.02
1" x 1" x 1/4"	18,000	\$11.47
1" x 1-1/2" x 1/4"	10,000	\$14.15
1" x 2" x 1/4"	8,000	\$16.05
1" x 3" x 1/4"	6,000	\$20.83
1-1/2" x 1" x 1/4"	14,000	\$14.48
1-1/2" x 1-1/2" x 1/4"	10,000	\$16.10
1-1/2" x 2" x 1/4"	7,000	\$23.93
2" x 1" x 1/4"	11,000	\$16.06
2" x 1-1/2" x 1/4"	8,000	\$23.95
2" x 2" x 1/4"	6,000	\$32.00
2" x 3" x 1/4"	4,000	\$35.64

Common sizes listed - call for others.

SEARCH "RUBBER" FOR ITEM #'S



WIRE BRUSHES AND WHEELS

Wire Wheels and Brushes-Order the CS notated wheels for Carbon Steel and the SS for Stainless Steel.



CRIMP WIRE WHEEL

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	SHANK	MAX RPM	PRICE EACH
KWW-160036	1-1/2"	Crimp Wheel CS	.006	1/4" shank	25,000	\$16.68
KWW-165746	2"	Crimp Wheel CS	.006	1/4" shank	25,000	\$21.24
KWW-382006	2"	Crimp Wheel CS	.012	1/4" shank	25,000	\$21.77
KWW-164830	2-1/2"	Crimp Wheel CS	.014	1/4" shank	25,000	\$24.92
KWW-382007	3"	Crimp Wheel CS	.012	1/4" shank	25,000	\$23.34
KWW-381726	3"	Crimp Wheel SS	.014	1/4" shank	25,000	\$33.17



KNOT WHEEL WITH SHANK

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	SHANK	MAX RPM	PRICE EACH
KWW-038861	3"	Knot Wheel CS	.014	1/4" shank	25,000	\$41.87
KWW-039831	4"	Knot Wheel CS	.014	1/4" Shank	20,000	\$48.22



SMALL DIAMETER CRIMP WIRE WHEEL

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR HOLE	MAX RPM	PRICE EACH
KWW-110461	2-1/2"	Crimp Wheel CS	.008	1/2"	20,000	\$15.14
KWW-110581	3"	Crimp Wheel CS	.008	1/2"	20,000	\$17.02
* KWW-111791	3"	Crimp Wheel CS	.012	1/2"-3/8"	20,000	\$15.97
KWW-162651	3"	Crimp Wheel SS	.006	1/2"	20,000	\$36.86
* KWW-110971	3"	Crimp Wheel SS	.014	1/2"-3/8"	20,000	\$25.44

* COMES WITH BUSHING



LARGE DIAMETER CRIMP WIRE WHEEL

ITEM NUMBER	DIA	DESCRIPTION	FACE WIDTH	WIRE SIZE	ARBOR HOLE	MAX RPM	PRICE EACH
● KWW-099521	6"	Crimp Wheel CS	1/2"	.014	1/2"-5/8"	6,000	\$69.19
● KWW-210332	8"	Crimp Wheel CS	1"	.014	1-1/4"*	4,500	\$49.33
* KWW-220911	8"	Crimp Wheel CS	1-1/2"	.014	5/8"	4,500	\$101.39

* COMES WITH ADAPTOR ● USES ADAPTOR BELOW IN YELLOW



CRIMPED CUP BRUSH

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR HOLE	MAX RPM	PRICE EACH
KWW-322351	3"	Crimp Cup CS	.014	3/8-24	14,000	\$35.84
KWW-381930	3"	Crimp Cup CS	.014	5/8-11	14,000	\$35.84
KWW-381932	4"	Crimp Cup CS	.014	5/8-11	9,000	\$45.93
KWW-099641	6"	Crimp Cup CS	.014	5/8-11	6,600	\$45.85



TWISTED KNOT CUP BRUSH

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR HOLE	MAX RPM	PRICE EACH
KWW-381997	2-3/4"	Knot Cup CS	.014	5/8-11	14,000	\$39.70
KWW-381996	2-3/4"	Knot Cup CS	.020	5/8-11	14,000	\$40.79
KWW-381999	2-3/4"	Knot Cup SS	.020	5/8-11	14,000	\$58.27
KWW-382000	4"	Knot Cup CS	.025	5/8-11	6,000	\$73.58
KWW-381730	6"	Knot Cup CS	.035	5/8-11	6,600	\$117.07

* ADAPTORS FOR ARBOR REDUCTION KWW-ADAPTER1/2, KWW-ADAPTER3/4, KWW-ADAPTER5/8





WIRE BRUSHES AND WHEELS



KNOT WHEEL

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR	MAX RPM	PRICE EACH
KWW-265871	4"	Knot Wheel CS	.014	5/8-11	20,000	\$29.22
KWW-382070	4"	Knot Wheel CS	.020	5/8-11	20,000	\$29.13
KWW-265931	4"	Knot Wheel SS	.014	5/8-11	20,000	\$43.81
KWW-382001	4"	Knot Wheel SS	.020	5/8-11	20,000	\$53.41
KWW-381734	6"	Knot Wheel CS	.025	5/8-11	9,000	\$49.63
KWW-264871	4"	Cable Knot Wheel CS	.020	5/8-11	20,000	\$33.36
KWW-263411	4"	Cable Knot Wheel SS	.020	5/8-11	20,000	\$64.56



STRINGER BEAD

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR	MAX RPM	PRICE EACH
KWW-382065	4"	Stringer Bead Wheel CS	.020	5/8-11	20,000	\$35.52
KWW-382066	4"	Stringer Bead Wheel SS	.020	5/8-11	20,000	\$50.25
KWW-382068	6"	Stringer Bead Wheel CS	.020	5/8-11	12,000	\$47.73
KWW-382069	6"	Stringer Bead Wheel SS	.020	5/8-11	12,000	\$54.13



CRIMPED SMALL GRINDER WIRE WHEEL

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR HOLE	MAX RPM	PRICE EACH
KWW-213171	4"	Crimped Wheel CS	.014	5/8-11	15,000	\$31.81



CRIMP END BRUSH

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	SHANK	MAX RPM	PRICE EACH
KWW-029501	1"	Crimp End CS	.006	1/4" shank	22,000	\$14.33
KWW-381928	1"	Crimp End CS	.014	1/4" shank	20,000	\$7.96
KWW-026511	1"	Crimp End CS	.020	1/4" shank	22,000	\$6.91
KWW-381929	1"	Crimp End SS	.014	1/4" shank	22,000	\$30.16
KWW-381925	3/4"	Crimp End CS	.006	1/4" shank	22,000	\$10.09
KWW-381926	3/4"	Crimp End CS	.014	1/4" shank	22,000	\$6.33
KWW-301611	3/4"	Crimp End CS	.020	1/4" shank	22,000	\$10.67
KWW-301661	3/4"	Crimp End SS	.006	1/4" shank	22,000	\$10.35
KWW-381927	3/4"	Crimp End SS	.014	1/4" shank	22,000	\$10.67
KWW-301911	1/2"	Crimp End CS	.006	1/4" shank	25,000	\$7.96
KWW-301941	1/2"	Crimp End CS	.014	1/4" shank	25,000	\$7.97
KWW-301951	1/2"	Crimp End CS	.020	1/4" shank	25,000	\$3.98
KWW-301741	1/2"	Crimp End SS	.006	1/4" shank	25,000	\$10.62
KWW-301971	1/2"	Crimp End SS	.014	1/4" shank	25,000	\$10.09



WIRE BRUSHES AND WHEELS



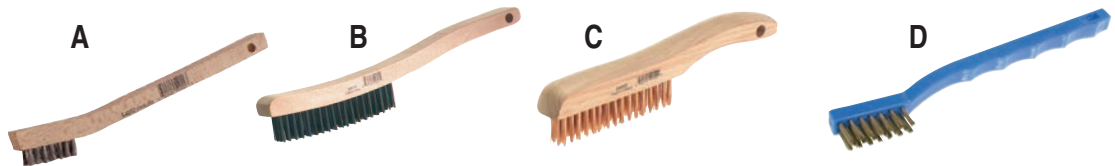
CRIMP END BRUSH WITH SCUFF GUARD

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	SHANK	MAX RPM	PRICE EACH
KWW-301341	3/4"	Crimp End CS	.006	1/4" shank SCUF	22,000	\$27.09
KWW-027251	3/4"	Crimp End SS	.014	1/4" shank SCUF	22,000	\$27.84



KNOT END BRUSH

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	SHANK	MAX RPM	PRICE EACH
KWW-381830	1"	Knot End CS	.014	1/4" shank	22,000	\$15.59
KWW-381832	1"	Knot End CS	.020	1/4" shank	22,000	\$16.19
KWW-381831	1"	Knot End SS	.014	1/4" shank	22,000	\$7.96
KWW-027441	1"	Knot End SS	.020	1/4" shank	22,000	\$23.26
KWW-381833	3/4"	Knot End CS	.014	1/4" shank	22,000	\$14.60
KWW-381835	3/4"	Knot End CS	.020	1/4" shank	22,000	\$12.47
KWW-381834	3/4"	Knot End SS	.014	1/4" shank	22,000	\$6.37



SCRATCH BRUSHES

ITEM NUMBER	DESCRIPTION	AREA LENGTH	AREA WIDTH	OVERALL LENGTH	FILL DIA	FILL MATERIAL	WIRE ROWS	TRIM LENGTH	PRICE EACH
A KWW-381940	Angle Back Wood	1-3/8"	1/4"	7-3/4"	.014	Stainless Steel	3 x 7	1/2	\$4.78
B KWW-381944	Long Handle Wood	5-1/2"	3/4"	13-3/4"	.014	Steel	3 x 19	1-1/8	\$6.65
C KWW-381942	Shoe Handle Wood	4-1/2"	7/8"	9-1/2"	.014	Steel	4 x 16	1-1/8	\$6.37
D KWW-831111	Angle Back Plastic	1-1/2"	1/4"	7-1/4"	.006	Stainless Steel	3 x 7	7/16	\$5.21
D KWW-981938	Angle Back Plastic	1-1/2"	1/4"	7-1/4"	.006	Brass	3 x 7	7/16	\$4.78

POWER WHEEL



These wheels will replace your wire wheels for removing surface contaminants while leaving a fine finish. Constructed of large nylon filament with coarse silicon carbide grain, this open structure provides aggressive removal and blending characteristics without loading. Applications include: removal of paints and other surface coatings, cleaning of weld discoloration, blending, and removing corrosion, rust and scale.

Size & Description	Recommended RPM	Maximum RPM	Price Per Wheel
4" dia. with 1/2" arbor	3,700 - 4,200	7,600	\$16.78
6" dia. with 1/2" arbor	2,500 - 3,000	5,000	\$28.79

Other sizes available.

SEARCH "PW" FOR ITEM #'S

The KLINGSPOR reusable arbor system is unique in that it comes with a series of "washers" which allows for optimum support as the wheel wears away.

Reusable arbor - 5/16"	\$13.83	Reusable arbor - 1/4"	\$17.10
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All Power Wheels have a 1/2" center hole. Mandrels both have a 1/2" insertion end and either a 1/4" or 5/16" shank.



SANDING STARS



4" DIAMETER X 1/4" SHANK

Max RPM	Grit	Price
3200	80 Grit	\$16.55
3200	100 Grit	\$16.55
3200	120 Grit	\$16.55
3200	150 Grit	\$16.55
3200	180 Grit	\$16.55
3200	220 Grit	\$16.55

EXAMPLE ITEM # FOR 220 GRIT - SANDSTAR220SM

4" DIAMETER X 1/2" HOLE / NO SHANK

Max RPM	Grit	Price
3200	80 Grit	\$6.18
3200	100 Grit	\$6.18
3200	120 Grit	\$6.18
3200	150 Grit	\$6.18
3200	180 Grit	\$6.18
3200	220 Grit	\$6.18

EXAMPLE ITEM # FOR 80 GRIT - SANDSTAR0804AM

GRAPHITE STICKS

Graphite sticks are used to lubricate belt backings used in mold sanding.



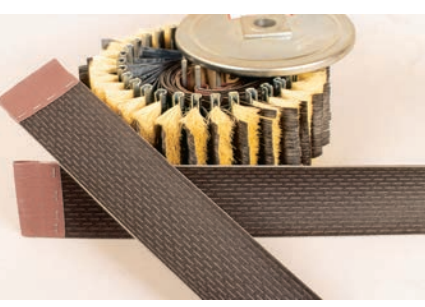
Graphite Sticks
\$20.22 each

CLEANING STICKS

Cleaning Sticks 8" x 2" x 2"
\$32.45 each



VONNEGUT LOADINGS



These loadings will completely fill an 8 head 32 brush unit, or will supply 2 loadings for the 4 head 16 brush unit.

AVAILABLE MATERIAL LS309 (ALUMINUM OXIDE) OR CS321 (SILICON CARBIDE)
4 SHEETS PER ASSEMBLY

Width x Length	Grit	Price Per Each
4" x 19" (8 assemblies)	80+	\$266.92
6" x 19" (8 assemblies)	80+	\$309.15

Available Grits Include: 80, 100, 120, 150, 180, 220. Standard Loadings are 1/4" Skip Staggered.

SEARCH "VL" FOR ITEM #'S

HEAVY DUTY GRAPHITE ROLLS



Heavy duty graphite-coated canvas will extend the life of your belts by reducing heat and friction. Single and 2 ply available.

F1 felt also available for platens on wide belt sanders. Call for information.

Size	Price Per Roll
3" x 10 yard	\$90.86
4" x 10 yard	\$141.29
6" x 10 yard	\$181.73
9" x 10 yard	\$272.56
12" x 10 yard	\$363.44

GREASE STICK

GREASESTICK26
\$22.58 each



FLUTTER SHEETS

KLINGSPOR flutter sheets are manufactured from our flexible cloth-backed premium LS 309JF ALUMINUM OXIDE material.



Size	Grit	Price Per Sheet
2" x 4" x 1/2"	320-100	\$0.54
8 End Slits	80	\$0.55
2" x 6" x 1/2"	320-100	\$0.76
4 & 8 End Slits	80	\$0.82

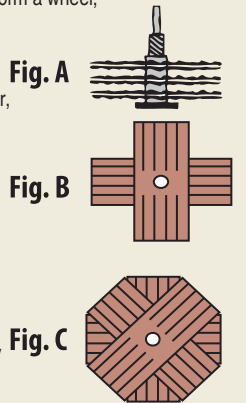
Please call for availability of other sizes.
• 50 Sheets Per Box

FLUTTER ARBOR

1/2" flutter arbor with 1/4" shank
ARBOR1/2X1/4FH.....\$4.69 ea.
Flutter sheet spacers
(1/2" ID x 3/4" OD) 10 pack
FLUTTERSHTSPACR.....\$8.88 ea.

Tips for Flutter Sheet Set Up & Use

- Place two sheets back to back, see Fig. A
- Crisscross sheets to form a wheel, see Fig. B and Fig. C.
- Repeat the pattern until you have 15 to 20 sheets on the arbor, then tighten the nut to hold sheets together.
- Secure the assembly in your drill press, hand held drill, lathe, etc. Be sure to tighten the chuck adequately. Operate at a maximum speed of 2300 RPM, and we strongly suggest you DO NOT exceed this speed.
- Before using the flutter sheets on your project, break in the edge by holding a piece of scrap hardwood against it as it spins. This will "soften" the edge so that it doesn't gouge your work.



**Cleaning Sticks save money!
They renew the life of a belt that would normally be discarded.**



PREMIUM GRADE MASKING TAPE**55 YARD ROLLS**

This Premium Grade Masking Tape adheres to and removes cleanly from a variety of surfaces due to its high grade rubber adhesive. This enables trouble-free removal, saving time and clean up costs. A specially treated paper makes this standard tape very conformable and provides straight paint lines with clean, sharp edges. It will also strip easily from most surfaces without leaving a residue.



Unit	Grit	Price Per		
3/4"	MTAPE4309-075	Roll	\$6.46	
		Sleeve /16 rolls	\$97.52	\$6.09 per roll
		Case /96 rolls	\$557.45	\$5.80 per roll
1"	MTAPE4309-100	Roll	\$8.44	
		Sleeve /12 rolls	\$96.26	\$8.02 per roll
		Case /72 rolls	\$548.70	\$7.62 per roll
1-1/2"	MTAPE4309-150	Roll	\$12.57	
		Sleeve /8 rolls	\$98.00	\$12.25 per roll
		Case /48 rolls	\$550.10	\$11.46 per roll
2"	MTAPE4309-200	Roll	\$16.83	
		Sleeve /6 rolls	\$95.47	\$15.90 per roll
		Case /36 rolls	\$536.41	\$14.90 per roll

Excess tape rolls should be stored in a climate-controlled location.

PG27 TAPE**60 YARD ROLLS**

This premium masking tape is considered as one of the best on the market. PG27 is temperature resistant up to 300°F for 30 minutes and provides superior holding characteristics. Its increased elongation insures conformability when cornering and bending. Intertape uses only top quality adhesive that consistently allows for clean removal with no leftover glue residue.

Unit	Grit	Price Per		
3/4"	MTAPE-PG27-075	Roll	\$8.57	
		Sleeve /12 rolls	\$98.50	\$8.20 per roll
		Case /48 rolls	\$368.87	\$7.69 per roll
1-1/2"	MTAPE-PG27-150	Roll	\$17.94	
		Sleeve/ 6 rolls	\$104.03	\$17.34 per roll
		Case/ 24 rolls	\$390.93	\$16.29 per roll
2"	MTAPE-PG27-200	Roll	\$23.95	
		Sleeve/ 6 rolls	\$138.03	\$23.00 per roll
		Case	\$520.42	\$21.68 per roll

GOLD STANDARD MASKING TAPE

Unit	Grit	Price Per	
3/4"	MTAPE-777-075	Sleeve (12 rolls per sleeve)	\$60.30
		Case (48 rolls per case)	\$217.74
1-1/2"	MTAPE-777-150	Sleeve (6 rolls per sleeve)	\$60.30
		Case (24 rolls per case)	\$217.74
2"	MTAPE-777-200	Sleeve (6 rolls per sleeve)	\$80.85
		Case (24 rolls per case)	\$291.62

60 YARD ROLLS

- Provides clean removal with no adhesive transfer on steel, glass, plastic and rubber.
- Designed for Indoor and Outdoor use, permits 10 to 15 days clean removal
- Removes cleanly at bake temperatures of up to 110°C (230°F) for 60 minutes.
- Exceptional adaptability which allows easy application on curved and irregular surfaces.
- Resistance to solvent and water based paint – splashes and abrasives.

**SILVER STANDARD MASKING TAPE**

Unit	Grit	Price Per Roll
3/4"	MTAPE-555-075	\$3.96
1-1/2"	MTAPE-555-150	\$7.91
2"	MTAPE-555-200	\$10.56

60 YARD ROLLS

- Provides clean removal with no adhesive transfer on steel, glass, plastic and rubber.
- Designed for Indoor and Outdoor use.
- Removes cleanly at bake temperatures of up to 212°F (100°C) for 30 minutes.
- Exceptional adaptability which allows easy application on curved and irregular surfaces.
- Resistance to solvent and water based paint – splashes and abrasives.





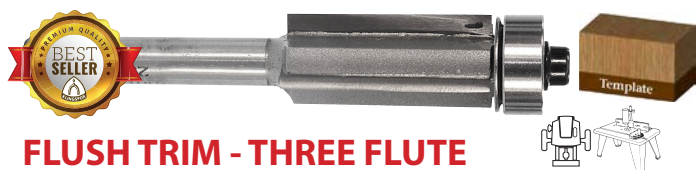
STANDARD FLUSH TRIM SOLID CARBIDE Standard Flush Trim bits are an economical solid carbide flush trim that does not use a bearing, but instead has a smooth portion milled into the solid carbide, which rides along the edge being trimmed to. They offer extended life and minimal vibration.

PART NUMBER	CUTTING LENGTH	SHANK DIAMETER	OVERALL LENGTH
SC28B	1/4"	1/4"	1-1/2"



7° BEVEL TRIM SOLID CARBIDE 7° Bevel Trim bits are identical to the standard flush bits, but offer a 7° bevel, which slightly eases the top edge of laminate to reduce filing.

PART NUMBER	CUTTING LENGTH	SHANK DIAMETER	OVERALL LENGTH
SC29	1/4"	1/4"	1-1/2"



FLUSH TRIM - THREE FLUTE

PART NUMBER	CUTTING DIAMETER	CUTTING LENGTH	OVERALL LENGTH	BEARING NUMBER
1/4" SHANK				
2500	1/2"	1"	2-5/8"	B3
2501	1/2"	1/2"	2-1/8"	B3



FLUSH TRIM-TWO FLUTE

PART NUMBER	CUTTING DIAMETER	CUTTING LENGTH	OVERALL LENGTH	BEARING NUMBER
1/4" SHANK				
2400	3/8"	1"	2-5/8"	B1
2401	3/8"	1/2"	2-1/8"	B1
2402	1/2"	1"	2-5/8"	B3



O-FLUTE SPIRAL BITS Up Cut or Down Cut Solid Carbide - Slow Spiral Used primarily for routing plastics - Slow Spiral Used primarily for routing plastics O-flute bits (straight or spiral) are ideal for working with plastics, thin aluminum (ACM), other soft metals, and starboard. The spiral O-flute evacuates shavings much more efficiently than the straight version. RU2074A has a special High polish grind applied for extra life and performance.

UP CUT PART #	DOWN CUT PART #	CUTTING DIAMETER	CUTTING LENGTH	SHANK DIAMETER	OVERALL LENGTH
SINGLE FLUTE					
RU1601A		1/8"	1/2"	1/4"	2-1/2"
RU1801A		3/16"	5/8"	1/4"	2-1/2"
RU2074A	RD2074A	1/4"	3/4"	1/4"	2-1/2"



TEMPLATE BITS Ball Bearing Guide Template bits have a top bearing for following a template that is on top of the work. Carbide tipped. Double flute.

PART NUMBER	CUTTING DIAMETER	CUTTING LENGTH	OVERALL LENGTH	BEARING NUMBER
1/4" SHANK				
* 3000	1/2"	1/4"	1-7/8"	B9
3001	1/2"	1/2"	2"	B9
3004	1/2"	1"	2-1/2"	B9

* Dado Clean out bits. Use to Square the bottom of dado cuts made on a table saw.

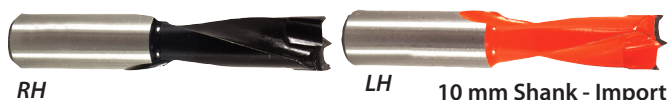


UP/DOWN CUT SPIRAL BITS

Compression Bits give you the best of both worlds. The part of the spiral bit closest to the tip has a 3/8" upcut and the part closest to the router is downcut. It compresses the chips to the center of the bit. This is especially good for plywood, laminates, and MDF when you need the top and bottom edges clean. Choosing the right length of bit is important to match the thickness of material you are cutting, so both ends of the bit have room to work. The "M" denotes that the bit has a mortise cut, which provides a 1/4" upcut before the downcut begins. This allows the cutter to create a shallower groove/dado cut for denser or easily chipped material. "K" refers to our nano coating technology which increases life and allows for increased feed rates on high production applications.

Up/Down Cut (2+2 Compression) Solid Carbide - Two Flute

PART NUMBER	CUTTING DIAMETER	CUTTING LENGTH	SHANK DIAMETER	OVERALL LENGTH
UD2102	1/4"	1"	1/4"	2-1/2"
† UD4122M-K	3/8"	1-1/4"	3/8"	3"
• HC4122M	3/8"	1-1/4"	3/8"	3"
† UD5122M-K	1/2"	1-1/4"	1/2"	3"



DOWEL DRILLS Carbide Tipped & Solid Carbide

Dowel Drills (brad point & V point) are made for production use in line boring, hinge boring, and dowel drilling machines. They are available in solid carbide, carbide tipped, and in left or right hand configurations. Available with a "brad point" style tip or a thru hole V-point.

CUTTING DIAMETER	57MM OAL	70MM OAL
	PART #	PART #
MM	10 MM Shank - Metric Sizes	
5	DB5-57 (LH) (SC)	DB5-70 (LH) (SC)

RH and LH rotation. Include LH suffix for left hand rotation. Supplied with flat on shank. Include SC suffix for optional Solid Carbide as available. *3 mm available in Solid Carbide only.



Router Bits



ROUND-OVER & BEADING Ball Bearing Guide

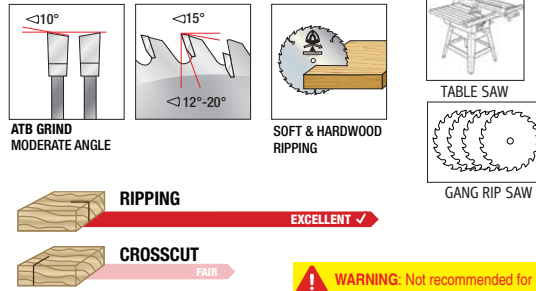
ROUND-OVER PART NUMBER	BEADING PART NUMBER	RADIUS	LARGE DIAMETER	CUTTING LENGTH
1/4" SHANK				
2000C	2100C	1/8"	3/4"	1/2"
2001	2101	1/4"	1"	1/2"



RIPPING



This blade is specifically designed for efficient, smooth ripping. The low tooth count and large gullets combine to make this blade fast and aggressive. This is suitable for use in table saws or gang-rip saws.

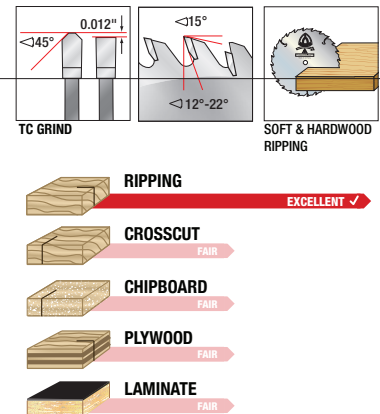


Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	Inch	MM	Inch					
10"	24	3.2	.126	2.2	.087	20°	5/8"	—	7,600	KSB10-240
10"	24	2.38	.094	1.8	.071	20°	5/8"	—	6,100	KSB10-240TKT

GLUE LINE RIPPING



This special glue line blade shears the wood cleanly so there is no need to joint the stock prior to gluing. The precision triple-chip grind & extra-high hook angle allow aggressive feed rates, yet produce an extra-smooth cut finish. The thick plate and laser cut expansion slots minimize vibration. Use on table saws, sliding table saws, single and gang-rip operations.

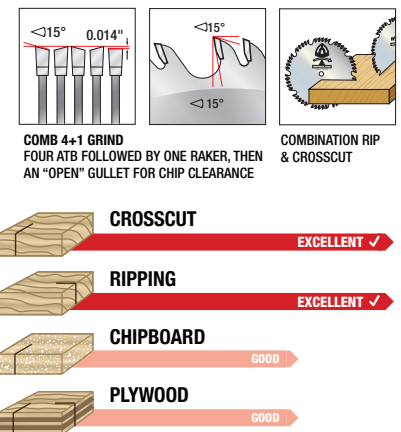


Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	Inch	MM	Inch					
10"	32	3.7	.145	2.5	.098	12°	5/8"	—	7,600	KSB10-301

COMBINATION



In many woodworking shops one blade must cut a wide variety of materials. This blade will effectively rip and crosscut hardwoods, softwoods, as well as sheet stock such as plywood and particleboard. It features the time-tested combination blade design - four alternate top bevel teeth with a flat-top raker. This is the best blade for all-purpose cutting.

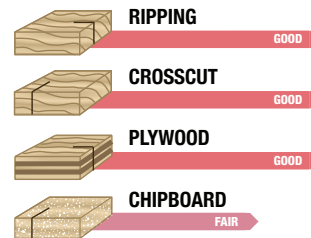
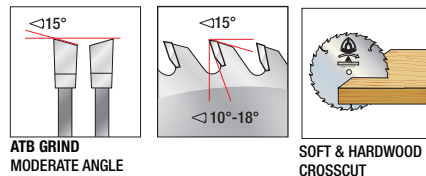


Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	Inch	MM	Inch					
10"	50	3.2	.126	2.2	.087	15°	5/8"	—	7,600	KSB10-500
10"	50	2.38	.094	1.8	.071	15°	5/8"	—	6,100	KSB10-504TKT

GENERAL PURPOSE



In some cases, a customer doesn't want to change blades from ripping to crosscutting to rough cutting in a variety of materials. A good general purpose blade usually fits the bill, as it works pretty well on different materials and applications.



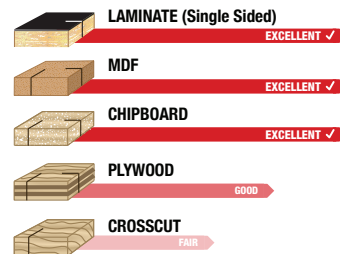
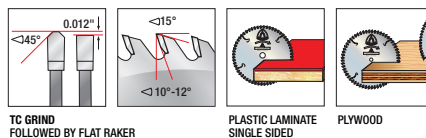
! WARNING: Not recommended for cutting non-ferrous alloys, plastic and melamine.

Dia.	Teeth	Kerf	Plate	Hook	Bore	Pin-Hole	MAX RPM	Tool No.		
		MM	Inch	Angle						
10"	40	3.2	.126	2.2	.087	15°	5/8"	—	7,600	KSB10-400

PLYWOOD / LAMINATE CUTOFF



These blades are specifically designed for clean cuts in single-sided plywood laminates. The greater number of teeth, triple-chip grind and 10°-12° hook angle provide an excellent balance between feed resistance and finish. This leaves a clean finish on the top side of the plywood or plastic laminate materials. Some table saws require special scoring blades (KSB120-T14 see below) in conjunction with the KSB12-721-30 below to accomplish clean cuts on double sided laminates.



! WARNING: Not recommended for cutting non-ferrous alloys and melamine.

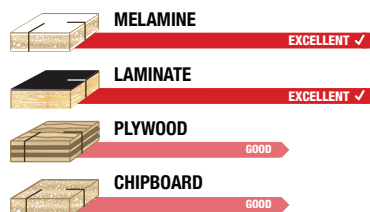
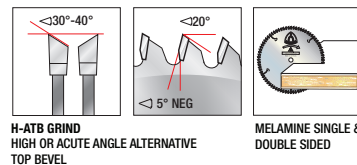
Dia.	Teeth	Kerf	Plate	Hook	Bore	Pin-Hole	MAX RPM	Tool No.		
		MM	Inch	Angle						
10"	60	3.2	.126	2.2	.087	12°	5/8"	—	7,600	KSB10-601
10"	80	3.2	.126	2.2	.087	10°	5/8"	—	7,600	KSB10-801
12"	72	3.2	.126	2.2	.087	12°	1"	—	6,200	KSB12-721
300mm	72	3.2	.126	2.2	.087	10°	30mm	✦	6,200	KSB12-721-30

✦ 30mm bore accepts pin-hole arrangements of: 2/10/60, 2/7/42 & 2/9/46.

DOUBLE-SIDED MELAMINE



This blade is designed for smooth crosscuts in a variety of materials from hardwoods, softwoods and sheet stock including chipboard. Not intended for sliding miter or radial arm saw applications.

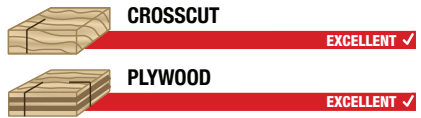
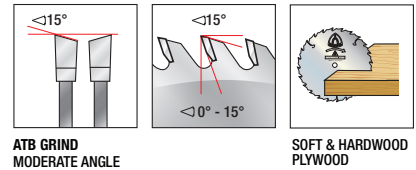
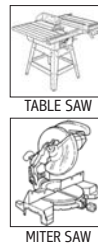


! WARNING: Not recommended for cutting non-ferrous alloys.

Dia.	Teeth	Kerf	Plate	Hook	Bore	Pin-Hole	MAX RPM	Tool No.		
		MM	Inch	Angle						
10"	80	3.2	.126	2.2	.087	-5°	5/8"	—	7,600	KSB10-803
12"	96	3.2	.126	2.5	.100	-5°	1"	—	6,200	KSB12-963



FINE TRIM & CROSSCUT



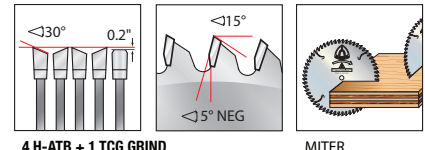
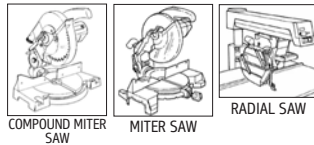
! WARNING: Not recommended for cutting non-ferrous alloys, plastic, laminate and melamine.

Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	Inch	MM	Inch					
10"	80	3.2	.126	2.2	.087	10°	5/8"	—	7,600	KSB10-800
12"	96	3.2	.126	2.2	.087	10°	1"	—	6,200	KSB12-960

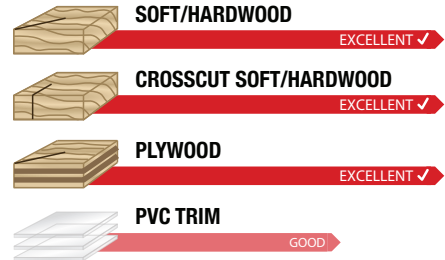
HEAVY-DUTY MITER / DOUBLE MITER



The KLINGSPOR Heavy-Duty Single/Double Miter blades were designed especially for glass smooth compound miters cuts in moldings or picture frame stock for use in a miter box, radial arm, and single/double miter saws. This style blade is the perfect choice for picture frame and millwork shops.



4 H-ATB + 1 TCG GRIND
FOUR HIGH ALTERNATE TOP BEVEL FOLLOWED BY ONE TRIPLE CHIP GRIND



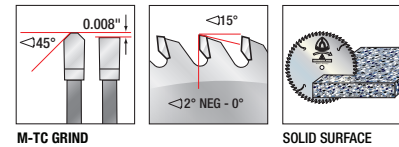
! WARNING: Not recommended for cutting non-ferrous alloys.

	Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
			MM	Inch	MM	Inch					
THINNER KERF	10"	80	3.0	.118	2.5	.098	-5°	5/8"	—	7,600	KSB10-806
	12"	100	3.0	.118	2.5	.098	-5°	1"	—	6,200	KSB12-106
TRIM KERF THINKERF	10"	60	2.4	.094	1.8	.071	-5°	5/8"	—	5,900	KSB10-606TKT
	10"	80	2.3	.090	1.8	.071	0°	5/8"	—	6,100	KSB10-816TKT
	12"	72	2.4	.094	1.8	.071	-3°	1"	—	7,600	KSB12-726TKT

SOLID SURFACE



This blade is specifically designed for cutting plastic laminate, Plexiglas®, and solid surface materials such as Avonite®, Dupont Corian®, Wilsonart®, Gibraltar®, Earthstone® Fountainhead®, Surrell®, Staron® and other acrylic based materials. The triple chip grind is especially configured to leave a swirl-free cut in solid surface materials. The thick, stable plate reduces vibration that degrades the cut and shortens tool life. The blade is suitable for a variety of saw configurations and its 0° hook angle virtually eliminates self-feeding when it is used with a radial arm saw.



! WARNING: Not recommended for cutting non-ferrous alloys.

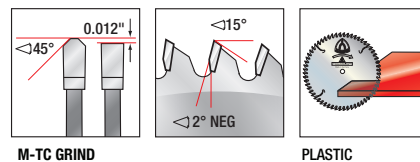
Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	Inch	MM	Inch					
10"	72	3.2	.126	2.2	.087	0°	5/8"	—	7,300	KSB10-728



PLASTIC



Designed for smooth, chip-free cutting of plastics, these blades have a higher tooth count and will work fantastic in thinner material. They are also suitable for crosscutting, trimming, and mitering wood and work well for plywood and laminate cutting.



- PLASTIC** EXCELLENT ✓
- THIN-WALLED PHENOLIC & HARD PLASTIC** EXCELLENT ✓
- LAMINATE** GOOD

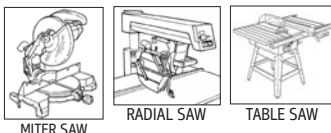
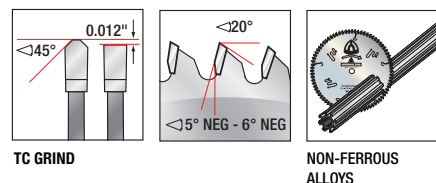
! WARNING: Not recommended for cutting non-ferrous alloys.

Dia.	Teeth	Kerf	Plate	Hook	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	MM	Angle				
10"	80	2.5	1.8	-2°	5/8"	—	6,100	KSB10-802

NON-FERROUS FOR THIN WALLED ALUMINUM



Designed specifically for cutting relatively thin-walled aluminum and non-ferrous extrusions and frames on table or miter saw applications. Use a coolant or blade wax and clamp down the work piece when cutting non-ferrous metals. (<1/4")



- NON-FERROUS ALLOYS** EXCELLENT ✓
- THIN-WALLED PHENOLIC & HARD PLASTIC** EXCELLENT ✓
- ALUMINUM** EXCELLENT ✓
- BRASS/COPPER** EXCELLENT ✓

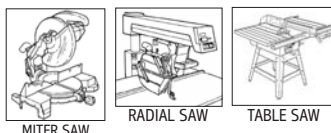
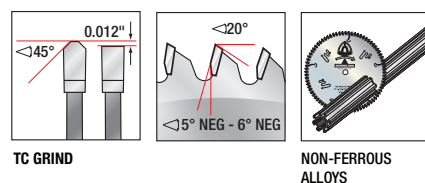
! WARNING: Never attempt to cut ferrous metals (steel, iron, etc.) with these blades.

Dia.	Teeth	Kerf	Plate	Hook	Bore	MAX RPM	Tool No.
		MM	MM	Angle			
10"	80	3.2	2.5	-5°	5/8"	7,600	KSB10-805
12"	100	3.2	2.5	-5°	1"	6,200	KSB12-105

NON-FERROUS FOR THICK WALLED ALUMINUM



The special carbide formulation and blade geometry makes this blade ideal for cutting aluminum and non-ferrous metal bars such as copper, brass, bronze and lead. They are also, good for cutting relatively thick-walled extrusions and profiles. The negative hook angle, triple-chip grind and thick plate combine to produce a superior finish. Use a coolant or blade wax and clamp down the work piece when cutting non-ferrous metals. The blade can be used to cut other "difficult" materials such as plastic, PVC tubing and fiberglass on table or miter saw applications. (<1/4")



- NON-FERROUS ALLOYS** EXCELLENT ✓
- THIN-WALLED PHENOLIC & HARD PLASTIC** EXCELLENT ✓
- ALUMINUM** EXCELLENT ✓
- BRASS/COPPER** EXCELLENT ✓

! WARNING: Never attempt to cut ferrous metals (steel, iron, etc.) with these blades.

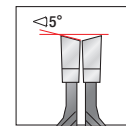
Dia.	Teeth	Kerf	Plate	Hook	Bore	Max RPMs	Tool No.
		MM	MM	Angle			
10"	60	3.2	2.5	-6°	5/8"	7,600	KSB10-605



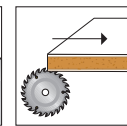
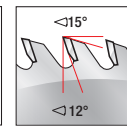
ADJUSTABLE SCORING SETS



Used on panel saws and sliding table saws (ex. SCM, & Altendorf), with separate scoring units for chip-free cuts on both sides of the material. Adjustable scoring sets consist of two 12-tooth saw blades with shims to adjust the kerf width (2.8mm to 3.6mm). These are used in combination with our plywood/laminate series Triple chip blade above.



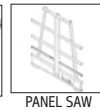
ATB GRIND
MODERATE ANGLE



SCORING PARTICLE
BOARD & DOUBLE
SIDED MDF LAMINATE



SLIDING TABLE



PANEL SAW



! WARNING: Not recommended for cutting non-ferrous alloys.

Dia.	Teeth	Kerf		Plate		Hook Angle	Bore	Pin-Hole	MAX RPM	Tool No.
		MM	Inch	MM	Inch					
120mm	12x2	2.8-3.6	.110-.144	2.2(x2)	.087(x2)	12°	22mm	—	15,900	KSB120-T14



Sawblades 1



Sawblades 2



Sawblades 3



Sawblades 4

SAW BLADE APPLICATION GUIDE

- SOLID WOOD:**
- RIP:** KSB10-240 – More aggressive, faster & leaves a rougher cut
KSB10-301 – Less aggressive and better edge finish
KSB10-240TKT – Thin Kerf
 - Crosscut:** KSB10-800 / KSB12-960 (For use on a table saw)
KSB10-500
KSB10-806 / KSB12-106 (For use on Miter saws, sliding miter saws & Radial Arm)
 - Combo** (Rip & crosscut wood, plywood, chipboard):
KSB10-500 Better overall results on solid wood
KSB10-400 More aggressive and faster for rough cutting in wood
KSB10-504TKT – Thin Kerf

PLYWOOD:

- KSB10-601 (Single-sided only – may chip on the back side)
- KSB10-801 (same blade, but with more teeth – 80 vs 60)
- KSB12-721 & 721-30 (Single-sided only – may chip the back side)
- KSB10-800 (Different tooth configuration – ATB – and better for double-sided & prefinished plywood applications). Also good for crosscutting solid wood.

LAMINATE (single sided):

- KSB10-728 Solid surface blade
- KSB10-802 Plastic blade
- KSB10-803 / KSB12-963 Melamine blade

MDF/Chipboard:

- KSB10-801 Plywood/Laminate
- KSB10-803 / KSB12-963 Melamine blade

MELAMINE:

- KSB10-803 / KSB12-963

PLASTIC:

- KSB10-802 (Phenolic & hard plastics)
- KSB10-728 (Plexiglass)
- KSB10-805 / KSB12-105 (Phenolic, Hard plastics & aluminum)

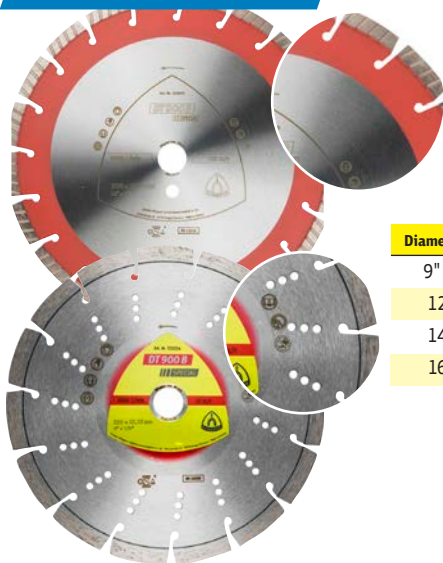
NON-FERROUS (Brass, copper, aluminum, etc.):

- KSB10-805 / KSB12-105 (Thin wall – less than 1/4")
- KSB10-605 (Thick wall - greater than 1/4")

MITER CUTS:

- KSB10-806 10" Miter Blade
- KSB12-106 12" Miter Blade
- KSB10-816TKT 12" Thin Kerf Miter
- KSB10-606TKT 10" Thin Kerf Sliding Miter
- KSB12-726TKT 12" Thin Kerf Sliding Miter

DT 900 B SPECIAL



Also available in 20mm



- Turbo segments
- Titanium-coated diamonds

Properties:

Design	Laser welded
Segmentation	Turbo/Standard
Aggression	■■■■■■□□
Service life	■■■■■■■■

Applications:

Cured concrete, reinforced	●
Asphalt roads	●
High aggregate concrete	●

Advantages: High performance blade with ultra high cutting speed thanks to turbo segments - Specially engineered for effortless cutting through concrete - Further increased service life thanks to titanium-coated diamonds

Segment Dimensions

Diameter x Bore	Max Operating Speed	Max RPM's	Machine	Number	Length	Width	Height
9" x 7/8"	80 m/s	6,600 rpm	Electric Cut-off	15	1.65"	0.102"	0.472"
12" x 1"	100 m/s	6,400 rpm	Gas Saw	20	1.57"	0.110"	0.472"
14" x 1"	100 m/s	5,500 rpm	Gas Saw	22	1.57"	0.118"	0.472"
16" x 1"	100 m/s	4,800 rpm	Gas Saw	26	1.57"	0.126"	0.472"



DT 612 UT



DT 900B



DT 900B Live Test

DT 612 UT SUPRA



Also available in 20mm



- Turbo segments

Properties:

Design	Laser welded
Segmentation	Turbo
Aggression	■■■■■■□□
Service life	■■■■■■□□

Applications:

Construction materials	●
Concrete	●
Cured concrete, reinforced	●
Chalky sandstone	●
Asphalt roads	●

Advantages: Special turbo segments for an extremely high cutting speed on almost all hard materials - Excellent service life even on reinforced concrete

Segment Dimensions

Diameter x Bore	Max Operating Speed	Max RPM's	Machine	Number	Length	Width	Height
5" x 7/8"	80 m/s	12,200 rpm	Angle Grinder	9	1.30"	0.094"	0.472"
12" x 1"	100 m/s	6,400 rpm	Gas Saw	20	1.57"	0.110"	0.472"
14" x 1"	100 m/s	5,500 rpm	Gas Saw	22	1.57"	0.118"	0.472"
16" x 1"	100 m/s	4,800 rpm	Gas Saw	26	1.57"	0.126"	0.472"

DT 600 ACM SUPRA



Properties:

Design	Vacuum-brazed
Segmentation	Standard
Aggression	■■■■■■□□
Service life	■■■■■■□□

Applications:

Building Construction	●
Gardening & Landscaping	●
Paving Companies	●
Road Companies	●
Steel Construction	●

Advantages: Vacuum-brazed disc for almost all metals - No wear behavior as with conventional diamond cutting blades and therefore almost odorless and dirt-free - Extra thin blade for high cutting performance and aggressiveness.

Segment Dimensions

Diameter x Bore	Max Operating Speed	Max RPM's	Machine	Number	Length	Width	Height
4-1/2" x 7/8"	80 m/s	13,300 rpm	Angle Grinder	8	1.65"	0.094"	0.071
5" x 7/8"	80 m/s	12,200 rpm	Angle Grinder	10	1.42"	0.094"	0.071"
9" x 7/8"	80 m/s	6,600 rpm	Angle Grinder	16	1.65"	0.094"	0.071"

DT 900 ACR SPECIAL



Properties:

Design	Vacuum-brazed
Segmentation	Narrow gullet
Aggression	■■■■■■■■
Service life	■■■■■■■■

Applications:

Concrete, universal	●
Asphalt	●
Construction materials	●
Glass	●
Wood	●
Rubber	●
Metals	●
Cast Iron	●
Ductile Iron	●
PVC/Plastic	●

Advantages: Vacuum-brazed diamond blade for easily cutting almost all material, wet or dry. Due to the complex manufacturing process, a particularly stable connection between the core and segmentation is achieved. This has a positive effect on lifetime and aggression. Allowing for aggressive cutting action on many different materials.

Segment Dimensions

Diameter x Bore	Max Operating Speed	Max RPM's	Machine	Number	Length	Width	Height
9" x 7/8"	80 m/s	6,600 rpm	Electric Cut-Off	12	2.20"	0.110"	0.394"





Speed Guide

The way to use the speed guide below:

1. Select application and material group
2. Identify the appropriate cut style.
3. Select burr diameter.
4. Follow maximum rotational speed.
5. Identify recommended cutting speed.

Part Number Example:

KCB - SF - 5 DC

Klingspor
Carbide
Burr

Shape

Size

DC - Double Cut
SC - Single Cut
NF - Non-Ferrous

How to Select Your Burr 1.

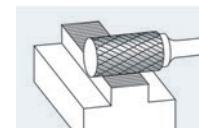
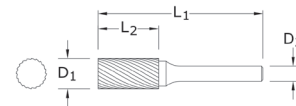
Applications	Material	Cut	
Efficient stock removal - deburring, finishing, cleaning.	Ferrous metals Non-ferrous metals	Double Cut - CUT 6 (D/C)	
Heavy stock removal - deburring, milling, cleaning, machining	Non-ferrous metal: aluminium alloys Plastics	Non-ferrous - CUT 1 (NF)	
Medium stock removal - deburring, milling, cleaning, finishing.	Non hardened steel <45HRc Hardened steel >45HRc: stainless steel High temperature-resistant metals: nickel, cobalt, titanium. Non-ferrous light metals: brass, copper, zinc. Hardened >45HRc: cast iron	Single Cut - CUT 3 (S/C)	

BURR DIAMETER 4		MAXIMUM ROTATIONAL SPEED (RPM) 5								
Imperial (Inch)	Metric (mm)									
< 1/8	< 3	45,000	53,000	60,000	66,000	73,000	79,000	86,000	92,500	100,000
3/16	5	35,000	40,000	45,000	50,000	55,000	60,000	65,000	70,000	75,000
1/4	6	26,000	30,000	34,000	37,500	41,500	45,000	49,000	52,500	55,000
5/16	8	21,000	24,000	27,000	30,000	33,000	36,000	39,000	42,000	45,000
3/8	10	17,500	20,000	22,500	25,000	27,500	30,000	32,500	35,000	37,500
1/2	12	13,000	15,000	17,000	19,000	20,500	22,500	24,500	26,000	28,000
3. 5/8	15	10,500	12,000	13,500	15,000	16,500	18,000	19,500	21,000	22,500
3/4	20	9,000	10,000	11,000	12,500	14,000	15,000	16,250	17,500	19,000
1	25	6,500	7,500	8,500	9,500	10,500	11,000	12,000	13,000	14,000
		RECOMMENDED CUTTING SPEED 3								
METRIC (m/min)		5. 420	480	540	600	660	720	780	840	900
FRACTIONAL (SFM)		1400	1600	1800	2000	2200	2400	2600	2800	3000



Universal SA - Cylindrical No End Cut

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SA-43L2(SC/DC)	1/8	9/16	1/8	2	✓	✓	–	100,000
KCB-SA-1(SC/DC)	1/4	5/8	1/4	2	✓	✓	–	55,000
KCB-SA-3(SC/DC)	3/8	3/4	1/4	2-1/2	✓	✓	–	37,500
KCB-SA-3L6(SC/DC)	3/8	3/4	1/4	6-3/4	✓	✓	–	37,500
KCB-SA-3NF	3/8	3/4	1/4	2-1/2	–	–	✓	37,500
KCB-SA-4(SC/DC)	7/16	1	1/4	2-3/4	✓	✓	–	28,000
KCB-SA-5(SC/DC)	1/2	1	1/4	2-3/4	✓	✓	–	28,000

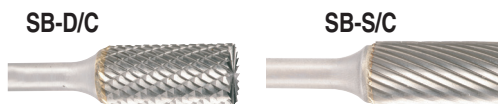
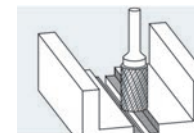
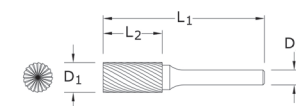


Carbide Burrs/
Power Wheels



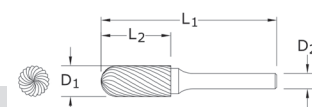
Universal SB - Cylindrical End Cut

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SB-1(SC/DC)	1/4	5/8	1/4	2	✓	✓	–	55,000
KCB-SB-1L(SC/DC)	1/4	1	1/4	2	✓	✓	–	55,000
KCB-SB-3(SC/DC)	3/8	3/4	1/4	2-1/2	✓	✓	–	37,500
KCB-SB-3L(SC/DC)	3/8	1	1/4	2-3/4	✓	✓	–	37,500
KCB-SB-5(SC/DC)	1/2	1	1/4	2-3/4	✓	✓	–	28,000



Universal SC - Cylindrical

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SC-41(SC/DC)	3/32	7/16	1/8	1-1/2	✓	✓	–	100,000
KCB-SC-42(SC/DC)	1/8	9/16	1/8	1-1/2	✓	✓	–	100,000
KCB-SC-1(SC/DC)	1/4	5/8	1/4	2	✓	✓	–	55,000
KCB-SC-1L(SC/DC)	1/4	1	1/4	2	✓	✓	–	55,000
KCB-SC-1NF	1/4	3/4	1/4	2	–	–	✓	55,000
KCB-SC-2(SC/DC)	5/16	3/4	1/4	2-1/2	✓	✓	–	45,000
KCB-SC-3(SC/DC)	3/8	3/4	1/4	2-1/2	✓	✓	–	37,500
KCB-SC-3L(SC/DC)	3/8	1	1/4	2-3/4	✓	✓	–	37,500
KCB-SC-3NF	3/8	3/4	1/4	2-1/2	–	–	✓	37,500
KCB-SC-5(SC/DC)	1/2	1	1/4	2-3/4	✓	✓	–	28,000
KCB-SC-5NF	1/2	1	1/4	2-3/4	–	–	✓	28,000
* KCB-SC-7(SC/DC)	3/4	1	1/4	2-3/4	✓	✓	–	19,000

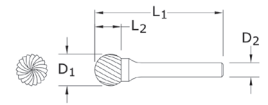


*3/8" shanks optional



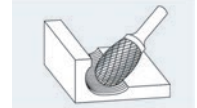
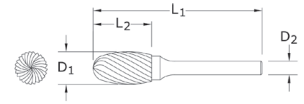
Universal SD - Cylindrical

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SD-41(SC/DC)	3/32	3/32	1/8	1-1/2	✓	✓	–	100,000
KCB-SD-42(SC/DC)	1/8	1/8	1/8	1-1/2	✓	✓	–	100,000
KCB-SD-52(SC/DC)	5/32	5/32	1/8	1-1/2	✓	✓	–	75,000
KCB-SD-1(SC/DC)	1/4	7/32	1/4	2	✓	✓	–	55,000
KCB-SD-5(SC/DC)	1/2	7/16	1/4	2-1/8	✓	✓	–	28,000



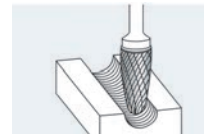
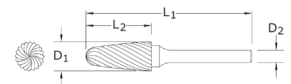
Universal SE - Oval

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SE-3(SC/DC)	3/8	5/8	1/4	2-3/8	✓	✓	–	37,500
KCB-SE-3L6(SC/DC)	3/8	5/8	1/4	6-5/8	✓	✓	–	37,500
KCB-SE-5(SC/DC)	1/2	7/8	1/4	2-5/8	✓	✓	–	28,000



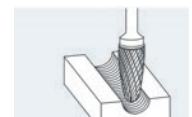
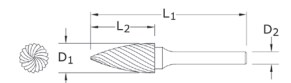
Universal SF - Tree Shape

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SF-1(SC/DC)	1/4	5/8	1/4	2	✓	✓	–	55,000
KCB-SF-3(SC/DC)	3/8	3/4	1/4	2-1/2	✓	✓	–	37,500
KCB-SF-3NF	3/8	3/4	1/4	2-1/2	–	–	✓	37,500
KCB-SF-13(SC/DC)	1/2	3/4	1/4	2-1/2	✓	✓	–	28,000
KCB-SF-5(SC/DC)	1/2	1	1/4	2-3/4	✓	✓	–	28,000
KCB-SF-5L6(SC/DC)	1/2	1	1/4	7	✓	✓	–	28,000
KCB-SF-5NF	1/2	1	1/4	2-3/4	–	–	✓	28,000



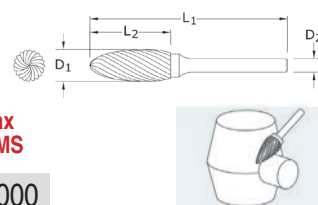
Universal SG - Tree Shape Pointed End

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SG-41(SC/DC)	1/8	1/4	1/8	1-1/2	✓	✓	–	100,000
KCB-SG-1(SC/DC)	1/4	5/8	1/4	2	✓	✓	–	55,000
KCB-SG-3(SC/DC)	3/8	3/4	1/4	2-1/2	✓	✓	–	37,500
KCB-SG-5(SC/DC)	1/2	1	1/4	2-3/4	✓	✓	–	28,000

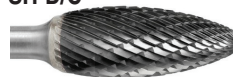


Universal SH - Flame Shape

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SH-5(SC/DC)	1/2	1-1/4	1/4	3	✓	✓	–	28,000



SH-D/C

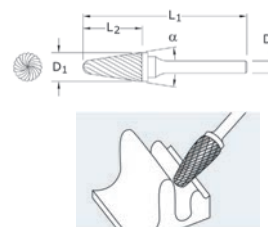


SH-S/C



Universal SL - Radius End Taper Shape

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle a	Double Cut	Single Cut 3	Nonferrous Cut	Max RPMS
KCB-SL-1(SC/DC)	1/4	5/8	1/4	2	14°	✓	✓	–	55,000
KCB-SL-3(SC/DC)	3/8	1-1/16	1/4	2-15/16	14°	✓	✓	–	37,500
KCB-SL-3NF	3/8	1-1/16	1/4	2-15/16	14°	–	–	✓	37,500
KCB-SL-4(SC/DC)	1/2	1-1/8	1/4	3	14°	✓	✓	–	28,000



SL-D/C



SL-S/C



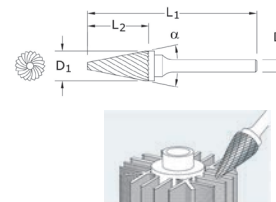
SL-NF



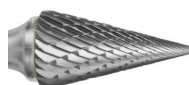
Universal SM - Cone Shape

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle a	Double Cut	Single Cut 3	Max RPMS
KCB-SM-5(SC/DC)	1/2	7/8	1/4	2-3/4	28°	✓	✓	28,000
* KCB-SM-6(SC/DC)	5/8	1	1/4	2-8/9	31°	✓	✓	22,500

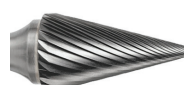
*3/8" shanks optional



SM-D/C

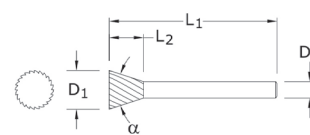


SM-S/C



Universal SN - Cone Shape Inverted

Item#	Cutter Diameter D1	Length of Cut L2	Shank Diameter D2	Overall Length L1	Included Angle a	Double Cut	Single Cut 3	Max RPMS
KCB-SN-41(SC/DC)	3/32	1/8	1/8	1-1/2	10°	✓	✓	100,000
KCB-SN-53(SC/DC)	3/16	1/4	1/8	1-1/2	10°	✓	✓	75,000



SN-D/C



SN-S/C



Don't miss our offers on our top sellers in the glass industry! Please ask our industry specialist about unlisted items.

Materials

CS 322 X

Polishing Fineness

- ▶ Belts
- ▶ Wide Belts
- ✓ Waterproof (Must be run wet)
- ✓ Cork with no abrasive
- ✓ Polishes without scratching

Hard-wearing cloth backing makes for flawless glass polishing

CS 538 Z

80, 120, 180

- ▶ Belts
- ▶ Wide Belts
- ▶ Discs (Plain & PSA backings)
- ✓ Antistatic
- ✓ Waterproof
- ✓ ACT coating
- ✓ Very aggressive, but durable
- ✓ Extremely consistent scratch

Ideal for applications on harder / thicker glass

CS 320 Y

24, 40, 60, 80, 100, 120, 180

- ▶ Belts
- ▶ Wide Belts
- ▶ Dynaflex Belts
- ✓ Ideal for less aggressive applications
- ✓ Can be used wet and dry
- ✓ Waterproof

Good price-performance ratio

PS 11

60 - 180 (C-Backing)

220, 240, 320, 400-2000 (A- Backing)

- ▶ Sheets
- ▶ Discs
- ✓ For hard and tough surfaces
- ✓ Good adaptation and high stability
- ✓ Wet and dry sanding

Perfect pick for stain removal and cleaning

Edge Grinding Belts



Silicon carbide grains fully resin bonded to waterproof cloth or polyester backings

Grit sizes: 80,100,120,150

Call for pricing for each specific material

Size

4" x 132"

4" x 106"

4" x 84"

Size

4" x 24"

3" x 24"

3" x 21"

1-1/8" x 21"



Portable Grinding Belts

Wet grinding with our portable belts will yield the best results.

Grit sizes: 60, 80,100,120,150, 180

Call for pricing for each specific material

PSA Discs



For edge and surface grinding, our PSA discs are top performers.

Grit sizes: 80,100,120,150

Call for pricing for each specific material

Size Hole Pattern

5" No holes

6" No holes

7" 7/8"

Size

1-1/8" x 21"

4" x 84"

3" x 21"

4" x 106"

3" x 24"

Call for pricing



Cork Belts

Cork resin-bonded to a waterproof cloth backing for polishing without scratching

Grit sizes: Polishing Fineness

CS 333 & CS 321

CS 333:

24, 36, 40, 60-150, 240 (X-Backing)

180, 240, 320 (JF-Backing)

CS 321: 80-320, 400, 500, 800

- ▶ Belts
- ▶ Wide Belts (X)
- ▶ Sheets
- ▶ Discs (X)

✓ Flexible backing helps when working on contours

✓ Ideal for finishing and polishing applications

✓ Waterproof (CS 321)

PSA (Sticky back) material, ideal for working on contours

Micro Mesh

Available up to grit 12,000!

Our micro mesh sheets can be used wet or dry and offer a huge variety of application possibilities including glass, fiberglass, granite, ceramics, copper, kitchen counter tops and marble. It's flexible cloth and latex backing allows to access small or irregular surfaces without any problems and leaves the finest finish on your workpiece.

Fusion Foam

Available as pads and discs

Our Fusion Foam is uniquely engineered, eco-friendly, flexible and non-loading. High quality Silicon Carbide grains are fixed directly to the foam surface. This reduces heat build-up and provides exceptionally long life. These highly flexible pads or discs adapt to flat and contoured workpieces and can be used wet or dry. Perfect for spot polishing of glass. Discs attach easily to a Hook & Loop backing pad.

Ask for suitable backing pads to attach the discs to your angle grinder.



Edge Deletion

KLINGSPOR Convolute Wheels feature dense, non-woven construction. They are smooth running, non-metallic, soft and smear-resistant. They create less operator fatigue, no contamination of the workpiece, reduce gouging and provide a faster stock removal rate.



Pictures show 9SF-R 6" wheel in use

Further densities available



Availability

9SF Hard Density, Edge Deletion, Fine Grain, Silicon Carbide

9SF-R Hard Density, Rigid, Edge Deletion, Fine Grain, Silicon Carbide

Sizes: 6" Diameter with 1" Arbor Hole, Various Widths
8" Diameter with 3" Arbor Hole, Various Widths

Mounting Bushings

Description

6" Wheel Bushing 1" to 3/8"

6" Wheel Bushing 1" to 1/2"

6" Wheel Bushing 1" to 3/4"

6" Wheel Bushing 1" to 5/8"

8" Wheel Bushing 3" to 1"

8" Wheel Bushing 3" to 1-1/4"

Item No.

611BUSH1X3/8

611BUSH1X1/2

611BUSH1X3/4

611BUSH1X5/8

CFVB004

CFVB005

Missing the size you need? Custom Bushings available - contact us for further information.



NIOSH APPROVED N95 PARTICULATE RESPIRATORS

The filter medium has an efficiency of at least 95% against airborne particulates 0.3 microns in size that are free of oils - dusts, metal fumes, microorganisms and non-oil containing mists. The shell doesn't absorb as much moisture from exhaled breath as other masks. The respirators maintain low breathing resistance all day long. The SP1940 particulate respirator offers the same level of protection, but may be used in the presence of oils and/or oil mists.



SP1501 (Not NIOSH Approved)



SP1730



SP1740

SP1940

N95 PARTICULATE RESPIRATOR		
20 Per Pack	SP1730	\$27.00
w/Valve - 10 per Pack	SP1740	\$32.71
R95 Particulate Respirator		
w/Valve - 10 per Pack	SP1940	\$37.33
Nuisance Dust Mask		
50 per Pack	SP1501	\$16.50

NSX TURBO



- High-impact polycarbonate lens
- 99.9% UV Protection
- Mono lens design
- Scratch resistant coating on lenses
- Lightweight wrap-around lens
- Non-slip temples
- Available in 5 lens colors
- Meets ANSI Z87.1-2015

NSX TURBO

Clear Lens	SP5330	\$3.26
Amber Lens	SP5332	\$3.26
Light Blue Lens	SP5333	\$3.26
Indoor/Outdoor Mirror	SP5334	\$3.56

NSX



- Lightweight Full Wraparound Frame
- High-impact polycarbonate lens
- 99.9% UV Protection
- Single lens design
- Anti-fog and scratch resistant coating on lenses
- Lightweight wrap-around lens
- Meets ANSI Z87.1-2015

NSX

Clear Lens	SP5340	\$2.67
Yellow Lens	SP5341	\$2.67
Grey Lens	SP5343	\$2.67
Indoor/Outdoor Lens	SP5345	\$2.96

DIAMOND BACKS



- High-Impact Polycarbonate Lenses
- 99.9% UV Protection
- Anti-fog and Scratch Resistant Coating on Lenses
- Wrap-Around Design Hugs the Face
- Non-Slip Nose Piece
- Non-Slip Temples

DIAMOND BACKS

Clear Lens	SP0100	\$7.41
Grey Lens	SP0101	\$7.41
Smoke Lens	SP0103	\$7.41

WORKER BEES



- Impact-resistant polycarbonate lens
- 99.9% UV Protection
- Scratch-resistant coating on lens
- Fits over most prescription glasses
- Meets ANSI Z87.1-2015 and CSA Z94.3

Chief Clear Lens	SP5120	\$2.96
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INDUSTRIAL WIPES

Multi Purpose Industrial cleaning Wipes, Gentle on Hands Tough on Grease & Dirt. 72ct. Perfect for majority of your work station or job site clean up projects.

These industrial wipes clean the toughest automotive grease, grime and dirt on hands, tools and work surfaces. Use the dual textured wipe to tackle both heavy and light soils.

- 72ct Pre-moistened heavy duty towel
- Works quickly to loosen, dissolve and absorb dirt, paint and grease

- Deep cleaning scrubbers remove embedded grime easily
- No rinsing, no drying, no residue and silicone-free

MULTI PURPOSE INDUSTRIAL WIPE 70CT	
WIPE1539	\$45.43



All filters can be used with Full Face Respirator and Reusable Half Mask Respirator

FULL FACE RESPIRATOR

This full face respirator offers a one size fits all design with a wraparound lens - ideal for long term use. The full size nose cup reduces the chances of fogging common with other full face respirators. All cartridges are interchangeable with Gerson half mask respirators. Mask includes a free lanyard!



Cartridges sold separately - see chart

Full Face Respirator - one size

SP9955 \$196.43

Tear Away Protective Lens (25 pack)

SP8711 \$3.25

DUST PARTICULATES ONLY

Pancake P100

SPXP100 \$6.33



SPXP100

P100 Particulate Cartridges

SPG70 \$9.97

P100 Particulate Cartridges - Rear vent

SPGX70P \$10.34



G78 MULTI GAS / P100

SPG78MGVP..... \$32.39

N95 refers to a NIOSH approval of a dust mask that filters out 95% of all particles 0.3 microns in size.

RESPIRATOR CARTRIDGES

These items work in conjunction with each other



SPG03

P95 Organic Vapor/Acid Gas Cartridges*

SPG03.....\$9.59



N95 Particulate

Pre-Filter - sold 10 per pack*

SPG95P..... \$27.78



Filter Retainer for use with N95 Particulate Pre-Filter*

SP172\$2.55

***Add on item to SPG03 must be used with SP172**

DISPOSABLE DUAL CARTRIDGE HALF MASK RESPIRATOR



SP8211
SP8311

STAND ALONE - Use and Dispose

Our maintenance-free respirator comes completely assembled with organic vapor cartridges and P95 particulate replaceable pre-filters. This NIOSH approved respirator offers state-of-the art design, performance and comfort. It features a soft, lightweight elastomeric facepiece, and cradle suspension with easy-adjust headstraps that facilitate a comfortable and proper fit. The low, profile, swept-back design provides a greater field of vision and allows workers to use glasses or goggles. The P Series filters can be used with oil or solid particulates.

- Ready to use. No cartridges to replace and no spare parts to stock. Simplifies your inventory requirements.
- Reduces the record keeping necessary for OSHA compliance regarding maintenance and cleaning.
- Available in two sizes: Medium and Large.

Cartridges not replaceable

Disposable Half Mask Respirator

Medium SP8211 \$36.42

Large SP8311 \$36.42

REUSABLE HALF MASK RESPIRATOR

This dual cartridge half mask respirator is made of comfortable, non-irritating TPE and elastic strap and cradle suspension for comfortable wear. The construction with exhalation valves and two filtering cartridges offers very low breathing resistance while the low profile design allows for a wide field of vision and room for eyewear. Our half mask respirators will combat either organic gases and vapors or acidic gases and vapors, based on which cartridge is chosen, plus all solids and particulates **Cartridges sold separately - see chart.**



Reusable Half Mask Respirator

Medium SP9200 \$22.90

Large SP9300 \$22.90

SP9200
SP9300



GOAT SKIN TIG WELDING GLOVE



This glove has the strongest tensile strength and excellent tactile sensitivity. Best combination of flexibility and comfort. The SP4840 is an unlined Mig/Tig glove with a 5" russet split cowskin cuff for additional safety. It is sewn with DuPont™ Kevlar®, has a straight thumb and a self hem sewn cuff.

Medium	SP4840M	\$28.35
Large	SP4840L	\$28.35

BLUE LEATHER WELDING GLOVES



Blue regular split shoulder leather with a full sock jersey lining, cotton drill cuff lining and reinforced palm.

SP4501	\$26.49
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BULLET EARPLUGS



Tapered shaped offers the most comfortable fit for ear canal. It has an extremely soft foam seals without pressure. A smooth surface help to repel dirt. Meets ANSI S3.19 (METHOD FOR DETERMINING NRR) requirements Corded. NRR 32

Resistor Bullet Earplug Uncorded NRR 32

200/Box	SP6100	\$56.88
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Resistor Bullet Earplug with Cord NRR 32

100/Box	SP6101	\$62.81
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ECON LEATHER PALM



This glove features "C" grade shoulder split cowhide leather, full feature, assorted color fabric striped back, 2.5" rubberized safety cuff.

SP12010	\$6.57
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DRIVER'S GLOVE



The 3204 drivers gloves feature; premium cow grain leather palm, brown split leather back, sewn with DuPont™ Kevlar®,shirred elastic back, rolled hemmed, and a keystone thumb pattern.

Medium	SP3204M	\$21.05
Large	SP3204L	\$21.05
X-Large	SP3204XL	\$22.51

DISPOSABLE NONWOVEN POLYPROPYLENE COVERALL

This coverall protects from harmful paint overspray, sanding dust, dirt, grease, grime, and pesticides. It's made from polypropylene non-woven material that's lightweight and comfortable. Elastic on wrists and ankles create an even barrier of protection; plus, it's washable so you can reuse.



Large	PROTECTIVESUITL	\$17.04
X-Large	PROTECTIVESUITXL	\$17.04
XX-Large	PROTECTIVESUITXXL	\$17.04
XXX-Large	PROTECTIVESUITXXXL	\$17.04



KLINGSPOR is pleased to offer disposable protective gloves. Almost every manufacturing facility has applications where latex and/or nitrile gloves are used. They may be used directly in the manufacturing process or simply in maintenance operations. Three versions of our KLINGSPOR gloves are available - regular powder-free latex, 5 mil powder-free blue nitrile and 6 mil powder-free black nitrile.

THICKSTER (SAS) LATEX EXAMINATION GLOVE



14 MIL POWDER FREE - 50 PER BOX

MEDIUM	LATEX6602	\$28.31
LARGE	LATEX6603	\$28.31
EXTRA LARGE	LATEX6604	\$28.31
XXLARGE	LATEX6605	\$28.31

BLACK NITRILE GLOVE



7 MIL POWDER FREE - 100 PER BOX

SMALL	NITRILE-KL-BLACK-S	\$24.00
MEDIUM	NITRILE-KL-BLACK-M	\$24.00
LARGE	NITRILE-KL-BLACK-L	\$24.00
XLARGE	NITRILE-KL-BLACK-XL	\$24.00

90 PER BOX

XXLARGE	NITRILE-KL-BLACK-XXL	\$24.00
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LATEX GLOVE

POWDER FREE - 100 PER CANISTER

MEDIUM	LATEX659220	\$16.26
LARGE	LATEX659320	\$16.26
EXTRA LARGE	LATEX659420	\$16.26

ASTRO GRIP



6 MIL - 100 PER BOX

These 6 mil thick gloves are powder-free and the bright orange color reveals any grease or dirt. They have dual sided scale grip and are superior puncture and abrasion resistant.

MEDIUM	NITRILE66472GRIP	\$29.62
LARGE	NITRILE66473GRIP	\$29.62
X-LARGE	NITRILE66474GRIP	\$29.62
XX-LARGE	NITRILE66475GRIP	\$29.62

KEVLAR SLEEVE WITH LEATHER PAD



Applications: Assembly Line Production, Automotive Assembly, Mechanics, Carpentry, Construction, Glass handling, Janitorial, HVAC, and more.

SP9374TL / 2 PER PACK\$20.63
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NITRILE COATED



13 gauge nylon with gray flat nitrile palm and fingers.

MEDIUM	SP9679M	\$4.93
LARGE	SP9679L	\$4.93
EXTRA LARGE	SP9679XL	\$4.74

LATEX COATED GRIPPING



10 Gauge Cotton/Polyester Shell, Latex Palm & Fingertips, Knit Wrist

MEDIUM	SP9688M	\$5.24
LARGE	SP9688L	\$5.24
X-LARGE	SP9688XL	\$5.24

ULTRA TECH CUT PRO



10 Gauge Kevlar®/Fiberglass/Stainless Steel Shell, Black PU Coated Palm. Level 4 cut resistant. Polyurethane palm and fingers for additional grip and abrasion resistance

Medium	SP93891PUM	\$21.69
Large	SP93891PUL	\$21.69
X-Large	SP93891PUXL	\$21.69



Don't Forget KLINGSPOR's Random Orbit Sander

SPARTAN

and KLINGSPOR Backing Pads



Spartan



Spartan PSA



5" Sander Non-Vac
Hook & Loop
#SOS5H
\$149.18

5" Sander
Non-Vac PSA
#SOS5P
\$149.18

5" Sander Vacuum
Hook & Loop
#SOS5VH
\$201.97

6" Sander Non-Vac
Hook & Loop
#SOS6H
\$167.83

6" Sander
Non-Vac
PSA
#SOS6P
\$167.83

6" Sander Vacuum
Hook & Loop
#SOS6VH
\$219.79



5" Kling-On
No Hole
SBP5K
\$24.27

5" PSA
No Hole
SBP5P
\$24.27

5" Kling-On
Multi-Hole
SBP5KMP
\$32.29

6" PSA
No Holes
SBP6P
\$27.46

6" Kling-On
No Holes
SBP6K
\$27.46

6" Kling-On
Multi-Hole
SBP6KMP
\$46.14



EXTREME R/O SANDER



FEATURES:

- Most consistent speed under load
- All new .3 HP motor design
- Best-in-class dust collection
- Tactile, ergonomic grip
- 12,000 OPM

KLINGSPOR PRODUCTS:

- Kling-On® (Hook & Loop) Paper Discs
- 710 XF Kling-On® Cloth Discs

NON-VACUUM * Non - Vacuum to Vacuum Conversion Kits available.

Pad Diameter	Orbit Model	Item #
5"	3/16	DYNA00X51HK
	3/32	DYNA00X52K
		DYNA00X52HK
6"	3/16	DYNA00X61HK
	3/32	DYNA00X62HK

Pad Diameter	Orbit Model	Item #
5"	3/16	DYNA00X51VK
	3/32	DYNA00X52VK
6"	3/16	DYNA00X61VK
	3/32	DYNA00X62VK

Pad Diameter	Orbit Model	Item #
5"	3/16	DYNA00X51VK
	3/32	DYNA00X52VK
6"	3/16	DYNA00X61VK
	3/32	DYNA00X62VK

DYNORBITAL SPIRIT



FEATURES:

- Comfort handle
- Lower profile for improved control
- 14 SCFM @ 90psi
- High-wear, plastic valve stem
- Non-Vacuum to Vacuum Conversion Kits available
- Only 1.4 lbs.!
- 12,000 OPM

KLINGSPOR PRODUCTS:

- Kling-On® (Hook & Loop) Paper Discs
- 710 XF Kling-On® Cloth Discs

NON-VACUUM * Non - Vacuum to Vacuum Conversion Kits available.

Pad Diameter	Orbit Model	Item #
5"	3/16	59020(H)
	3/32	59035(H)
6"	3/8	59010(H)
	3/16	59025(H)
	3/32	59040(H)

DYNABUG II ORBITAL SANDER



HOOK & LOOP - DYNA58500H
PSA - DYNA58509

FEATURES:

- New comfort handle
- Strong .15 HP motor & 10,000 RPM's
- Excellent for use in tight corners
- Precise 3/32 2 (mm) orbital motion
- 13 SCFM @ 90 PSI
- Lightweight at only 1.6 LBS it's ideal for vertical applications to help minimize fatigue

KLINGSPOR PRODUCTS:

- 3" x 4-3/8" KLING ON Sheets PS 33 only
- 3" x 4-3/8" PSA Sheets PS 33 only
- Other Materials available in PSA and KLING ON Rolls
- Replacement Pad - Hook & Loop #DYNA56315 Vinyl (PSA) #DYNA56355

SANDER MAINTENANCE

Don't Forget the Air Lube

DYNABRADE AIR LUBE
4 OUNCES - DYNA95821
1 PINT - DYNA95842
1 GALLON - DYNA95843
• Only use 10 weight non detergent air lube

DYNABRADE MUFFLER INSERT
PER EACH - DYNA56027
30 PACK - DYNA56054



4-1/2" RIGHT ANGLE AIR GRINDER



MODEL 52632

1.3 hp, 12,000 RPM,
Side Exhaust, 5/8"-11 Spindle Thread

FEATURES:

- Depressed Center Wheel Grinder is ideal for fast weld and stock removal, heavy deburring, rust and scale removal
- Includes 25212 Wheel Guard, 25262 Backup Flange and 53696 Locking Flange
- Vibration Dampening Side Handle included
- Rotational Exhaust system allows operator to rotate a full 360 degrees to ensure that exhaust is directed away from operator
- BPS900001 Adjustable spanner wrench

KLINGSPOR PRODUCTS:

Any 4-1/2" sizes of the following:

- CMT Flapdisc
- SMT Flapdisc
- NCD Power wheel
- Cut off wheel
- Grinding Discs
- WSM 617 Flap Wheel
- Unitized Discs

RANDOM ORBITAL REFERENCE



Most Aggressive
3/8"



General Sanding
3/16"



Ultra Fine Sanding
3/32"

3/16" is the most common



Call Toll Free 800-645-5555 • Visit us online: www.klingspor.com

NITRO SERIES ELECTRIC DYNISHER

FEATURES:

- Achieve superior in-line finishes on metal.
- 800 - 3,000 RPM, adjustable in 500 RPM increments.
- Variable speed dial allows operator to pre-select speed to suit each application.
- Includes 13378 Arbor for use with 3/4" bore accessories.
- Multi-purpose arbor accepts Dynacushion® pneumatic wheels (5" dia x 3-1/2" wide).
- Non-woven nylon wheels can also be used utilizing 3/4" arbor.
- Features a locking trigger for extended use.
- Adjustable handle and guard.
- Comfortable ergonomic design for smooth, repeatable results.

DRUM NOT INCLUDED



MODEL DYS1



Dimensions Dia. x W	Part No.	Hub Composition	Arbor Hole	Wheel Part No.	Wheel Type	Belt Size W x L	Max. RPM
5" x 2-3/4" (127 mm x 70 mm)	92935	Aluminum	Universal 1/2", 5/8" or 3/4" Bore	94482	Standard	2-3/4" x 15-1/2" (70 mm x 394 mm)	3,500
	92936	Composite					
5" x 3-1/2" (127 mm x 89 mm)	92937	Aluminum	Universal 1/2", 5/8" or 3/4" Bore	94481	Standard	3-1/2" x 15-1/2" (89 mm x 394 mm)	3,500
	92938	Composite					



DYNASTRAIGHT®



DYNA13204



DRUM NOT INCLUDED

FEATURES:

- 3,400 rpm
- Ideal set-up for Dynacushion® Wheel
- 5/8"-11 threaded arbor for use with pneumatic wheels
- Available combo arbor for wheels up to 3" wide and 5/8" or 1" diameter center hole
- Great for stainless steel work

- 8" Sanding Stars
- Flutter Sheets
- 4" and 6" diameter Power Wheels

ALSO AVAILABLE:

Model 13205

13071 Combo Arbor for up to 3" wide wheels which have either 5/8" or 1" diameter center hole. Any Dynacushion® pneumatic wheel with 5/8" bore may also be mounted.

KLINGSPOR PRODUCTS:

- 3 1/2" wide Non-Woven Belts
- SM611 Abrasive Flapwheels (up to 3,800 rpm) or 10" diameter
- VKM 630 Small Finishing Flapwheels

DYNISHER

DYNA13400



DRUM NOT INCLUDED

FEATURES:

- Right angle
- 3/4" diameter arbor
- Runs 5" diameter x 3-1/2" wide pneumatic drum
- In-line finish on metal
- Belts 3-1/2" x 15-1/2"
- Runs 4-1/4" x 4" x 3/4" flapbrushes
- 3,400 RPM

MINI-DYNISHER

DYNA13300



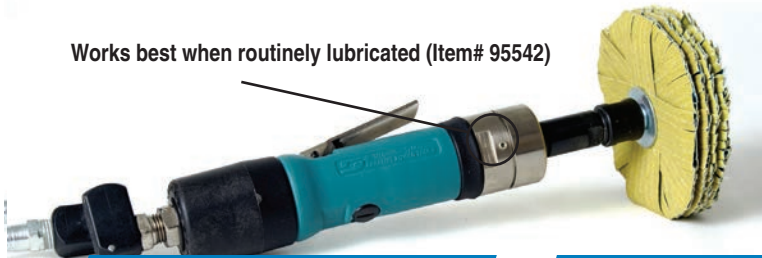
DRUM NOT INCLUDED

FEATURES:

- In-line finishing on smaller and contoured parts
- 3-1/4" diameter x 3" wide drum runs 3" x 10-11/16" long belts
- Right angle for optimum operator control
- 3,400 RPM



Works best when routinely lubricated (Item# 95542)



SANDING STARS NOT INCLUDED

LIGHTWEIGHT DYNINGER - DYNA52050

FEATURES:

- For use with Spindle Mounted Sanding Stars
- 3,200 rpm variable speed
- Air-Flow Control Dynaswivel®
- Rear exhaust
- Replaces tedious hand sanding

KLINGSPOR PRODUCTS:

- 4" Sanding Stars
- Flutter Sheets (with Flutter Sheet Arbor)
- 4" and 6" Power Wheels
- Use with #Dyna95542 Gear Grease and Grease Gun #DYNA95541



ALSO AVAILABLE:

Dyna52052 Dyninger with 1/2" Arbor
Dyna52051 Dyninger with 6mm Collet

DIE GRINDERS



DYNA50219 - .3 HP KIT

FEATURES:

Nitro Tool .3 hp Die Grinder Kit Contains
DGR31 - .3 hp Right Angle Die Grinder (18K RPM)
DGS31 - .3 hp Straight Die Grinder (25K RPM)

DYNA50218 - .5 HP KIT

FEATURES:

Nitro Tool .5 hp Die Grinder Kit Contains
DGR51 - .5 hp Right Angle Die Grinder (14K RPM)
DGS51 - .5 hp Straight Die Grinder (20K RPM)

RAISED PANEL SANDER - DYNA57906

Air Powered Finishing Sander. Includes 57956 Raised Panel Pad (4" long x 3/4" wide) with unique angled edges for sanding in tight corners and on raised panel edges.



58021 3/8" (10 MM) DIA. NON-VACUUM DYNAFINE BACKSPASH RADIUS DISC PAD, VINYL-FACE

58024 3/4" (19 MM) DIA. NON-VACUUM DYNAFINE BACKSPASH REVERSE RADIUS DISC PAD, VINYL-FACE



DYNADGR31 - .3 HP

FEATURES:

- .3 hp / 16,000 RPM
- 1/4" collet / rear exhaust
- Gearless, smooth running air motor

KLINGSPOR PRODUCTS:

- 1" - 4" QDC's, QRC's, & QMC's
- Mini Flap Discs
- Unitized wheels
- Wire brushes with 1/4" shank

DYNADGR51 - .5 HP

FEATURES:

- .5 hp / 14,000 RPM
- 1/4" collet / rear exhaust
- Gearless, smooth running air motor

KLINGSPOR PRODUCTS:

- 1" - 4" QDC's, QRC's, & QMC's
- Mini Flap Discs
- Unitized wheels
- Wire brushes with 1/4" shank

DYNAFILE DETAIL SANDER DYNA57900

Air Powered Finishing Sander. Excellent for use in tight corners. Sander comes with one triangle and one tear-drop hook-face pad



FEATURES:

- Excellent for use in tight corners
- Eliminates finger sanding
- 13,000 RPM motor with 1/32 orbital action
- 20 SCFM @ 90 PSI
- Handle has 7 degree offset for greater comfort
- Lightweight only 1.6 LBS

KLINGSPOR PRODUCTS:

- Triangular PSA & KLING ON Discs
- Triangular Non-Woven Discs
- Tear-Drop PSA and KLING ON Discs
- Tear-Drop Non-Woven Discs



DYNADGS31 - .3 HP

FEATURES:

- .3 hp / 25,000 RPM
- 1/4" collet / rear exhaust
- Gearless, smooth running air motor

KLINGSPOR PRODUCTS:

- KM 613's with 1/4" shank
- Cartridge rolls
- No lap bands
- Carbide Burrs & Mounted Points
- Spindle Brushes
- Unitized wheels
- Wire brushes with 1/4" shank

DYNADGS51 - .5 HP

FEATURES:

- .5 hp / 20,000 RPM
- 1/4" collet / rear exhaust
- Gearless, smooth running air motor

KLINGSPOR PRODUCTS:

- KM 613's with 1/4" shank
- Cartridge rolls
- No lap bands
- Carbide Burrs & Mounted Points
- Spindle Brushes
- Unitized wheels
- Wire brushes with 1/4" shank



DYNAFILE® I



FEATURES:

- Runs 24" long belts
- Allows for best tracking - belt won't pop off easily with pressure
- Grinds smooth without gouging
- Ideal for stainless steel weld grinding

DYNAFILE® II



Air Powered Abrasive Belt Tool Reach normally inaccessible areas.

FEATURES:

- Grind, deburr, blend and polish. Work on metal, plastic, fiberglass, composites, rubber, glass and stone
- Lightweight, ergonomic 7° offset design
- Grinding head pivots 360°
- Grind off contact wheel or platen pad
- Finish & polish using slack of belt
- Secure belt housing at desired position using 95134 Hex Key

MINI-DYNAFILE® II

Air Powered Abrasive Belt Tool. Ideal for strap polishing and working in narrow openings.



FEATURES:

- For broad range of applications
- Lightweight ergonomic design handle features 7° offset. Multi-position grinding head pivots 180°
- Pop-off belt guard for easy abrasive change; easy belt tracking adjustment knob

ELECTRIC DYNAFILE® II

DYNA40610



FEATURES:







- Runs 1/8" - 3/4" wide by 18" belts
- Over 20 different contact arms
- 120V and 220V options available

KLINGSPOR PRODUCTS:

- Includes 11206 Contact Arm for 3/4" wide x 18" long abrasive belts

KLINGSPOR PRODUCTS:

- 1/8", 1/4" and 1/2" wide x 12" coated long belts
- 1/8", 1/4" and 1/2" wide x 12" non-woven long belts

Part Number	Comments	Belt Size (W x L)	Contact Wheel Assembly (includes bearing and shaft)	Platen Pad
11203 Order 11312 for heavy-duty version.	  <ul style="list-style-type: none"> • Standard on Models 40335, 40610 and 40615 • Grind over contact wheel or platen 	1/2" x 18"	11078 5/8" dia. x 3/8" wide, rubber	11025 1/2" wide; Soft
11204, 11305	  <ul style="list-style-type: none"> • Unique offset design • Strap polishing is easy with this arm 	1/8", 1/4" or 1/2" x 18"	11204: 11080 Wheel, 1" dia. x 3/8" wide, 70 duro 11305: 11093 Wheel, 1" dia. x 3/8" wide, 40 duro (Both wheels radiused rubber)	None
11280	  <ul style="list-style-type: none"> • Grind corners, enter grooves, strap polish • "V" shape wheel 	1/8" or 1/4" x 18"	11086 1" dia. x 3/8" wide, urethane, tapered	None

APPROVED FILE BELT MATERIALS:

CS 308: Our YX weight Aluminum Oxide material is a fully resin-bonded product that offers the benefits of a polyester backing in an X-weight. Use on ferrous or non-ferrous metals and on hardwoods. CS 308 has an extended grit range that allows for coarse to ultra-fine belt sanding and polishing.

CS 310: Aluminum Oxide, X or X-Flex cloth resin-resin bond, closed coat. Suitable for all ferrous metals, hardwoods, leather, aluminum, stainless steel, and most alloys.

CS 710: Heat-treated Aluminum Oxide, X-Flex cloth resin-resin bond, closed coat. Suitable for polishing all ferrous metals and sanding on hardwoods.

CS 409: Alumina Zirconia grain with a multi-bond additive on polyester backing for grinding high alloys such as titanium and metals like stainless steel where heat build-up is a problem.

CS 411 Y: Alumina Zirconia resin-bonded, polyester cloth Y-weight (Y) backing for high pressure, heavy stock removal on all types of metal, especially carbon and tool steels. Polyester backings can be used wet or dry.

CS 416: 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.





















CS 631 XF: Ceramic Aluminum Oxide on either X-flex backing or very flexible J-flex backing. Perfect for use on steels of all types but specifically for hard steels and under high grinding pressure. Added multibond lubricant enhances grinding properties and reduces heat build-up.

CS 920 ACT: Ceramic Aluminum Oxide with multibond lubricant added to enhance the grinding properties and cool the grinding surface. Features a heavy polyester backing that enhances its durability while removing large amounts of stock.









CS 922 ACT: Ceramic Aluminum Oxide on our heaviest YY polyester backing for use on steels of all types and under high grinding pressure applications.

More hole patterns available - consult intranet die list. 5% Upcharge on discs with 10 holes or more

Kling-On® Hole Pattern Availability

DISC SIZE	NO HOLE	5 HOLES	8 HOLES	9 HOLES	DYNABRADE EXTREME	16 HOLES	17 HOLES	FESTOOL 48 HOLE	5" CENTER HOLE
4 1/2"									
5"				 Festool 5/8" Center Hole  Festool 1/4" Center Hole					
6"				 Festool 3/4" Center Hole			 Festool 3/8" Center Hole	 MJ2	
8"									
11"									

PSA Hole Pattern Availability

DISC SIZE	NO HOLE	5 HOLES	6 HOLES	8 HOLES	16 HOLES
5"					
6"					
8"					



ABRASIVE GRAINS

ALUMINUM OXIDE - A blocky, hard grain best suited for sanding and grinding of ferrous and non-ferrous metals, wood and solid surface materials.

SILICON CARBIDE - A sharp, very hard and brittle grain best suited for sanding of glass, plastics, rubber, ceramics, solid surface materials and some non-ferrous metals.

ALUMINA ZIRCONIA - A very hard and sharp grain that works well for grinding of stainless steel, spring steel, titanium and other hard steels and for dimensioning of wood.

CERAMIC ALUMINUM OXIDE - exceptionally hard, strong, sharp abrasive made with bauxite and other ingredients that are chemically bonded.

EMERY - An abrasive that is a natural composite of Corundum and Iron Oxide. The grains are blocky, cut slowly, and tend to polish the material being abraded.

GARNET - A very sharp grain that cuts very quickly when new. Fractures quickly, keeping it sharp. Perfect for sanding wood end grains or for final-finish sanding of wood. Very economical.

AGGLOMERATE - A cluster of the same grit abrasive grains that are shaped together using resin. As the grain dulls and sheds, a new grain is revealed, allowing a more consistent finish.

GRINDING AIDS:

STEARATE - An additive that prevents loading when sanding soft resinous woods, after sealer coats and when working with soft ferrous or non-ferrous metals. Not an abrasive grain.

MULTIBOND LUBRICANT - A top-coat additive that reduces heat and grinds at cooler temperatures extending the life of the abrasive on heat sensitive materials

AVAILABLE MATERIAL

ALUMINUM OXIDE

CLOTH	PAPER
CS 308	PS 10 - Garnet
LS 309	PS 20
CS 310	PS 22
CS 311	PS 26
LS 312	PS 28
LS 313	PS 29
LS 318	PS 31
CS 326	PS 33
CS 341	PS 73W
KL 361	PL 36
KL 371	VP 73W
CS 412	FP 73W
CS 561	PS 77
CS 710	FP 77
GX 712JF	

SILICON CARBIDE

CLOTH	PAPER
CS 320	PS 11
CS 321	PS 24
CS 538	PS 27W
CS 539	PS 35
CS 333	GX 533JF

ALUMINA ZIRCONIA

CLOTH	PAPER
CS 409	PS 21
CS 411	PS 36
CS 416	
CS 565	
CS 570	
CS 811	

CERAMIC ALUMINUM OXIDE

CLOTH	PAPER
CS 920	PS 61F
CS 922	FS 964
FS 966	
CS 631 XF	
CS 931 JF	
GX 931 JF	

- SEE GRIT CHART FOR
DETAILED INFORMATION

GRIT GRADING SYSTEMS

All KLINGSPOR coated abrasive products, with the exception of Alumina Zirconia and Ceramic Aluminum Oxide, are graded by grit size using the FEPA or P-grade scale. Some competitive products are graded according to the CAMI (Coated Abrasives Manufacturers Institute) scale. P-graded products are easily identified by a "P" preceding the grit number on the back of the material. The chart on this page compares both scales, along with relative size in inches and microns.

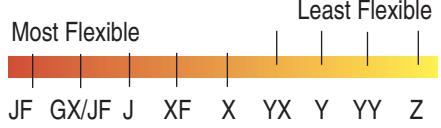
FEPA (P-Grade)	CAMI	Finishing Scale	Average Particle Size In Inches	Micron Scale μ	Comparable Grit Symbol (Old Scale)
P2000	1000	•	.00042	9.5	*
P1500	800	•	.00051	12.3	*
P1200	•	A16	.00060	15.3	*
•	600	•	.00062	16.0	*
P1000	•	•	.00071	18.3	*
•	500	•	.00077	19.7	*
•	•	•	.00079	20.0	*
P800	•	A25	.00085	21.8	*
•	400	A30	.00092	23.6	10/0
•	•	•	.00098	25.0	*
P600	•	A35	.00100	25.75	*
•	360	•	.00112	28.8	*
•	•	•	.00118	30.0	*
P500	•	•	.00121	30.2	*
P400	•	A45	.00137	35.0	*
•	320	•	.00140	36.0	9/0
•	•	•	.00158	40.0	*
P360	•	•	.00158	40.5	*
•	280	•	.00172	44.0	8/0
•	•	•	.00177	45.0	*
P320	•	A60	.00180	46.2	*
•	•	•	.00197	50.0	*
P280	•	•	.00204	52.5	*
•	240	A65	.00209	53.5	7/0
•	•	•	.00217	55.0	*
P240	•	A75	.00228	58.5	*
•	•	•	.00230	60.0	*
P220	•	A90	.00254	65.0	*
•	220	A85	.00257	66.0	6/0
P180	180	A110	.00304	78.0	5/0
•	150	A130	.00363	93.0	4/0
P150	•	•	.00378	97.0	*
•	120	•	.00452	116.0	3/0
P120	•	A160	.00495	127.0	*
•	100	•	.00550	141.0	2/0
P100	•	A200	.00608	156.0	*
•	80	•	.00749	192.0	0
P80	•	•	.00768	197.0	*
P60	•	•	.01014	260.0	*
•	60	•	.01045	268.0	1/2
P50	•	•	.01271	326.0	*
•	50	•	.01369	351.0	1
P40	•	•	.01601	412.0	*
•	40	•	.01669	428.0	1-1/2
P36	•	•	.02044	524.0	*
•	36	•	.02087	535.0	2
P30	•	•	.02426	622.0	*
•	30	•	.02488	638.0	2-1/2
•	24	•	.02789	715.0	3
P24	•	•	.02886	740.0	*

ABRASIVE BACKING

CLOTH

- JF** - A light weight very flexible Egyptian cotton cloth
- GX/JF** - KLINGSPOR's newest backing. J-Flex weight polyester/cloth blend. Offers exceptional strength along with extreme flexibility and waterproof properties.
- J** - A light weight flexible Egyptian cotton cloth
- XF** - A heavy, yet flexible Egyptian cotton cloth
- X** - A heavy, stiff Egyptian cotton cloth
- YX** - A lighter weight polyester backing
- Y** - A standard weight polyester backing
- YY** - A very heavy, stiff polyester backing
- Z** - A very heavy, stiff polyester backing that is cross-weaved to use in segmented belts

CLOTH BACKING FLEXIBILITY



PAPER

- A** - A very light weight paper - typically for sheet use only or light PSA or hook & loop disc usage
- B** - A light weight paper - typically for sheet use only or light PSA or hook & loop disc usage
- C** - A medium weight paper - typically for sheet use only or light PSA or hook & loop disc usage
- LATEX** - C wt latex infused paper provides stronger edge wear and longer life
- D** - A medium to heavy weight paper - typically for sheet use only or PSA or hook & loop disc usage
- E** - A heavy weight paper - typically for stroke or wide belt sanding
- F** - A very heavy weight paper - typically for stroke or wide belt sanding

PAPER BACKING WEIGHT



FIBRE - A very hard, strong, coated abrasive backing material consisting of multiple layers of chemically-impregnated paper. Used primarily for disc products.

FILM - 3 mil polyester film, lightweight, strong yet flexible for disc and power sheet sanding. Enhanced finishing characteristics.

BACKINGS *AVAILABLE IN MORE THAN ONE BACKING

A-WEIGHT PS 10 PS 11 * PS 31 *	D-WEIGHT PS 27 PS 31 * PS 36 *	KL 361 KL 385 CS 631 CS 931	Y-WEIGHT CS 308 CS 311 CS 320 CS 326 CS 336 CS 409 CS 411 * CS 412 CS 416 CS 920 CS 922 CS 811	FIBRE CS 561 CS 565 CS 570 FS 964 FS 966
B-WEIGHT PS 33 * PS 73W * PS 35 PL 36	F-WEIGHT PS 20 PS 21 PS 22 PS 24 PS 26 PS 28 PS 29 PS 61	J-WEIGHT LS 309 *	X-WEIGHT CS 310 * CS 321 CS 341 CS 411 * CS 333	FILM FP 73W FP 77
C-WEIGHT PS 11 * PS 31 * PS 33 * PS 36 * PS 73W * VP 73W	J-FLEX LS 309 * LS 312 LS 313	X-FLEX CS 310 * CS 710 CS 631	Z-WEIGHT CS 538 CS 539	GX/JF GX 533JF GX 712JF GX 931JF

ABRASIVE BELT JOINTS



NO.1 Belt ends are overlapped with no grain removed off top of splice. Offers maximum protection against wear in the lap joints. For soft contact wheels, slack of belt operations and paper belts 150 and finer used in wide belt or lever stroke sanding. Standard joint for pump sleeves.



NO.2 Belt ends are overlapped with partial grain removed off top of splice (partial top-skived). Smooth running over platens or hard contact wheels for cloth belts 80 grit or finer. Seen mainly on edge sanders where bull nose or dead head sanding is being done.



NO.3 Similar to Type 4 joint except the two belt ends are cut in an interlocking configuration, or zig-zag. Can be run in either direction. Available in grit size 80 or finer only. Designed specifically for glass grinding operations.



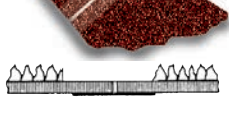
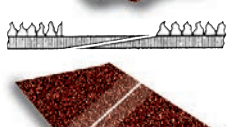
NO.4 "Butt splice", in which belt ends are butted together and joined by high strength tape on underside of joint. Allows belt to run in either direction for greater belt life and convenience. Smooth running. Most popular splice, suitable for a wide variety of applications and belt sizes. Strongest of the non-specialty joints.



NO.6 Belt ends are overlapped with a complete grain removal off top of splice (fully top-skived) and cut at a 45 degree angle minimizing the amount of time the joint is in contact with the workpiece. Used where a high degree of conformability in the joint area is required, such as in mold sanding. For cloth belts only!



"T" Joints A top skived #4 butt joint used on cloth belts 150 and finer for platen sanding operations on wide belt sanders or in grits 80 and finer on other belt operations where chatter is a problem when using a #4. Not for use on paper belts. Cloth only.



CROSS REFERENCE CHART FOR FINISHED BELTS

Finished Width of the Belt	CUT STOCK SIZES				
	3BELT 3"	6BELT 6"	9BELT 9"	10BELT 10"	12BELT 12"
1/8	15	30	45	50	60
1/4	12	24	36	40	48
5/16	9	19	28	32	38
3/8	8	16	24	26	32
7/16	6	13	20	22	27
1/2	6	12	18	20	24
9/16	5	10	16	17	21
5/8	4	9	14	16	19
11/16	4	8	13	14	17
3/4	4	8	12	13	16
7/8	3	6	10	11	13
1	3	6	9	10	12
1-1/8	2	5	8	8	10
1-3/16	2	5	7	8	10
1-1/4	2	4	7	8	9
1-3/8	2	4	6	7	8
1-1/2	2	4	6	6	8
1-9/16	1	3	5	6	7
1-5/8	1	3	5	6	7
1-11/16	1	3	5	6	7
1-3/4	1	3	5	6	7
1-7/8	1	3	5	6	7
2	1	3	5	6	7
2-1/8	1	3	5	6	7
2-1/4	1	3	5	6	7
2-1/2	1	3	5	6	7
2-3/4	1	3	5	6	7
3	1	2	3	3	4
3-1/4		1	2	3	3
3-1/2		1	2	2	3
3-3/4		1	2	2	3
4		1	2	2	3
4-1/4		1	2	2	3
4-1/2		1	2	2	2
4-3/4		1	1	2	2
4-7/8		1	1	2	2
5		1	1	2	2

BELT SANDING MATERIAL / APPLICATION RECOMMENDATION CHART

GENERAL GUIDELINES - CALL FOR SPECIFIC INFORMATION

Operation	Material			Grit	
Abrasive Planing:	WOOD	Softwoods:	CS 311, CS 416	24-40	
		Hardwoods:	CS 308, CS 310, CS 412, CS 411		
	METAL	Soft Metals:	CS 311, CS 416, CS 920, CS 811YY	24-40	
		Hard Metals:	CS 308, CS 310, CS 412, CS 411, CS 922, CS 811YY		
Wide Belts:	WOOD	Primary	Softwoods:	CS 311, CS 416	40-60
			Hardwoods:	CS 308, CS 310, CS 412, CS 411	
	METAL		Soft Metals:	CS 311, CS 416, CS 920	40-60
			Hard Metals:	PS 61, CS 308, CS 310, CS 412, CS 411, CS 922	
	WOOD	Intermediate	Softwoods:	CS 311, PS 26, PS 28, PS 29, CS 416	80-120
			Hardwoods:	CS 308, CS 310, PS 22	
	METAL		Soft Metals:	CS 311, CS 416, CS 920	80-120
			Hard Metals:	PS 61, CS 308, CS 310, CS 412, CS 411, CS 922	
	WOOD	Finish	Softwoods:	CS 310, PS 26, PS 27, PS 29	150 & Finer
			Hardwoods:	CS 308, CS 310, PS 22	
	METAL		Soft Metals:	PS 21, PS 61, CS 311, CS 416	120 & Finer
			Hard Metals:	PS 61, CS 308, CS 310, CS 412, PS 20, PS 21	
Edge Sanding:	WOOD	Softwoods:	CS 311	80-180	
		Hardwoods:	CS 308, CS 310, CS 412		
	METAL	Soft Metals:	CS 311, CS 416	80-180	
		Hard Metals:	CS 308, CS 310, CS 412, CS 411		
Stroke Sanding:	WOOD	Softwoods:	CS 311, PS 26	80-180	
		Hardwoods:	CS 308, CS 310, PS 22		
	METAL	Soft Metals:	CS 311, CS 631	80-180	
		Hard Metals:	CS 308, CS 310, CS 631		
Mold Sanding:	WOOD		LS 312 JF, LS 309 JF, LS 318 JF	80-180	
Pump Drum Sanding:	WOOD		LS 312 JF, LS 309 JF, LS 318 JF	80-150	
Scroll Sanding:	WOOD		LS 312 JF, LS 309 JF, LS 318 JF	100-150	
Spindle Sanding:	WOOD		Spiral Bands, AO	100-150	
Flutter Sheet/Discs:	WOOD		LS 309J, LS 312 JF, LS 318 JF	100-150	
Portable Belt Sanding:	WOOD		LS 309 XH, CS 308, CS 310, CS 311, CS 411 Y, CS 416	60-150	
		METAL	CS 308, CS 310, CS 311, CS 412, CS 411, CS 416	24-120	
Orbital Disc Sanding:	WOOD	Bare Woods:	PS 29, PS 31, PS 33, PL 36, PS 36, PS 73W, VP 73W, FP 73W, CS 710 XF, FP 77, PS 77	80-180	
			Finished Woods:	PL 35, PS 11, FP 77, PS 77	220 up
		METAL	Grinding	CS 308, CS 310, CS 412, CS 311, CS 411, CS 920, CS 922, CS 811YY, CS 409	24-60
			Finishing	LS 309JF, LS 312, CS 631, GX 533, GX 712	80-400



PRODUCT RECOMMENDATIONS FOR SPECIFIC MATERIALS

ALUMINUM - Alumina Zirconia for rough grinding. Aluminum Oxide for general purpose grinding and finishing. Open coat is useful for softer types of aluminum. Silicon Carbide is sometimes used in abrasive machining, coil grinding, roll grinding, and wide belt deburring.

BRASS/BRONZE/COPPER/NON-FERROUS METALS - Aluminum Oxide is most common. Alumina Zirconia is used equally well. Silicon Carbide is sometimes used for finishing or polishing.

CAST IRON - For most types of cast iron, use Alumina Zirconia for rough grinding and Aluminum Oxide for grinding and finishing. For Chilled Cast Iron or Grey Iron, Silicon Carbide is sometimes used.

CHROME - Alumina Zirconia or Aluminum Oxide can be used. Mostly Aluminum Oxide.

CORIAN®/PLASTIC - Silicon Carbide or Stearate Aluminum Oxide products are recommended almost exclusively. Alumina Zirconia is sometimes used in rougher ap-

plications. Usually run wet, especially thermoplastics.

FIBERGLASS/GELCOAT - Aluminum Oxide almost exclusively in sanding operations. Alumina Zirconia is useful also in rough applications.

GLASS - Usually Silicon Carbide for any application. Occasionally Alumina Zirconia is used for flat stock or mirror stock. Glass is usually ground wet to reduce burning and breakage.

GRANITE/MARBLE/STONE - Silicon Carbide almost exclusively. Usually ground wet to reduce dust and eliminate burning.

LEATHER - Aluminum Oxide most widely used. Alumina Zirconia is popular with shoe manufacturers. Sometimes Silicon Carbide is found to be used. Open coats are also very common.

PAINT - Usually Silicon Carbide but sometimes Alumina Zirconia. Zinc Stearate materials common (PS 33).

RUBBER - Almost always ground with Silicon Carbide. Soft rubber or polyurethane is usually ground wet. Most other types are usually ground dry. Sometimes 24 grit Aluminum Oxide is used for heavy stock removal.

STAINLESS STEEL - Alumina Zirconia or Aluminum Oxide. Silicon Carbide is sometimes used for final finishing because a more consistent scratch pattern is achieved. For grinding Ceramic Aluminum Oxide or Zirconia is used with products that feature a multibond lubricant.

STEEL - Alumina Zirconia or Aluminum Oxide. Occasionally, Silicon Carbide will be used for final polishing on some applications.

TITANIUM - Ceramic Aluminum Oxide, or Alumina Zirconia for rough grinding.

WOOD - Aluminum Oxide for general purpose sanding. Alumina Zirconia can be used for planing operations and Silicon Carbide is often used when working with particle board.

COATED ABRASIVE SAFETY GUIDELINES

1. Eye protection should always be worn when using any machinery-operated abrasive product (A.N.S.I. Standard Z87.1). Body protection should also be worn whenever appropriate; arm guards, leather gloves, and aprons. Loose clothing, jewelry and hair should always be secured before using any powered machinery.
2. Machinery should always be maintained in good working order. Proper electrical controls should be easily reached and in good working order. Safety guards on machines should never be removed. Machinery should be disconnected from the power source before making any abrasive or machine adjustments.
3. Proper dust control is essential. Always observe OSHA regulations regarding dust collection. Dust masks are recommended to minimize dust inhalation. Dust collection systems should be properly maintained and cleaned frequently.
4. Never use a coated abrasive product which is cut, creased, or otherwise damaged. Observe proper storage conditions.
5. Proper machinery use:
 - A. Always run lap joint belts in proper direction.
 - B. Jog the machine to start abrasive belt tracking, rather than full-power starts.
 - C. If unusual ticking or bumping noises are heard on a running abrasive belt, check belt and machine for possible damage.
 - D. On offhand applications, present the workpiece to the abrasive belt below the center of a contact wheel.
 - E. Proper belt tension should always be maintained.
 - F. Belt tracking should be properly adjusted.



Look for these safety warnings
in your workplace and on
abrasive products.

Call for more detailed
safety information.

Keep this Solid Surface Finishing Sequence Chart handy to get the best results with KLINGSPOR Abrasives every time.

FUSION FOAM (AO & SC)

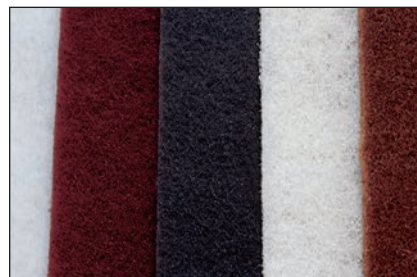
- FOAM ABRASIVE WITH EXTREME LIFE AND AMAZING FINISH

FP 77 (AO)

- T-ACT COATING TO REDUCE LOADING AND IMPROVE FINISH

PS 73W (AO)

- STEARATED ALUMINUM OXIDE TO REDUCE LOADING FILM



To complete the sequences and achieve the best possible finishes, you'll need KLINGSPOR's Non-Woven Hand Pads. These premium materials are available in a variety of grits to help you reach the desired surface sheen.

* available in discs for orbital sanding

MATTE FINISH

OPTIONAL PRE-STEP TO REMOVE SCRATCHES-P150 (PS 33 OR PS 73W)

STEP 1 P240 (PS 33, PS 73W, KLING-NET OR FUSION FOAM)

STEP 2 VERY FINE HAND PAD (WATER IMPROVES FINISH)
OR VERY FINE KLING-ON DISC

SEMI-GLOSS FINISH

OPTIONAL PRE-STEP TO REMOVE SCRATCHES-P150

STEP 1 P240 (PS 33, KLING-NET OR FUSION FOAM)

STEP 2 P400 (PS 33, FP 77, KLING-NET OR FUSION FOAM)

STEP 3 P1000 (PS 73W, FP 77, KLING-NET OR FUSION FOAM)

STEP 4 ULTRA FINE HAND PAD (OPTIONAL) OR ULTRA FINE KLING-ON DISC

HIGH GLOSS FINISH

OPTIONAL PRE-STEP TO REMOVE SCRATCHES-P150

STEP 1 P240 (PS 33, KLING-NET OR FUSION FOAM)

STEP 2 P400 (PS 33, FP 77, KLING-NET OR FUSION FOAM)

STEP 3 P1000 (FP 77, KLING-NET OR FUSION FOAM)

STEP 4 P1500 (FP 77, KLING-NET OR FUSION FOAM)

STEP 5 P2000 (FP 77 OR FUSION FOAM 1800-2500)

STEP 6 WHITE / NO ABRASIVE HAND PAD

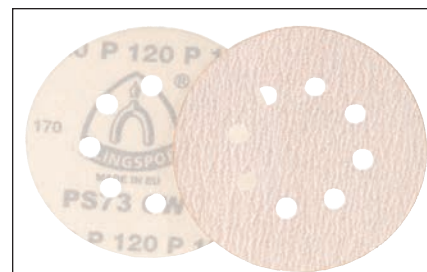
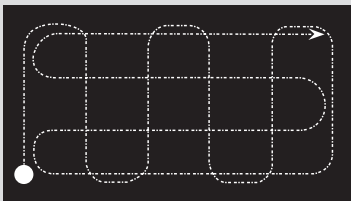


GEM SANDER - Commonly used in solid surface finishing. Available thru Klingspor's Woodworking Shop

SUGGESTIONS FOR BEST RESULTS

1. Use a 10,000-12,000 rpm random orbital sander.
2. Start the sander while resting flat on the surface and remove the sander before stopping to eliminate swirl marks.
3. Each grit needs to pass over the surface following a "North, South, East, West" pattern (see illustration) to insure that previous scratches are removed and a uniform finish is achieved. Two passes per step is recommended.
4. Clean surface after each step to minimize contamination scratches.

Klingspor is one of the country's largest Dynabrade tool dealers. You'll find that these tools will outperform and outlast any other pneumatic tool on the market. The most popular and most useful for solid surface finishing is the Dynabrade model #56815. This random orbital sander features 12,000 rpms with a 3/16" orbit and a small hand grip. Dynabrade manufactures many tools that have perfect applications in solid surface work. Call Klingspor for all of your pneumatic tool needs



Our aluminum oxide extra-lube stearate materials (PS 73W & FP 77) are the premier products for the solid surface installer. They will accomplish tasks from removal of scratches to preparation for high gloss finishes. These materials will prove versatility and premium performance as you use it. So whether you're sanding by hand or with a power sheet sander or disc sander, these products will be your materials of choice.



AIR SUPPLY RECOMMENDATIONS FOR RO SANDERS

Sufficient air supply to portable sanding tools is crucial for proper finishing characteristics. If the air pressure is too low, random orbital disc sanders will be much more likely to create "swirl marks" or "fish hooks" on the workpiece.

KLINGSPOR recommends the following:

- Maintain steady operating air pressure of 90 P.S.I. under load. Remember this is not the same as the air pressure to the tool when it is not in use. Use your gauge on the sander to determine actual P.S.I. under load.
- Most palm style random orbital sanders require an air volume of 15 to 18 standard cubic feet per minute (SCFM). Compressor size should be a 5 hp, two stage design.
- If using rubber or plastic air hoses with an inside diameter of 3/8", a maximum length of 20 feet from the iron air supply pipe is suggested.
- Use larger I.D. hoses and couplings whenever possible. Standard hose inside diameters are typically 5/16", 3/8" and 1/2". Also, make sure the couplings' I.D. sizes are no more than one size smaller than the hose I.D. Be sure male and female couplings are of the same I.D.
- Always keep air tools properly maintained. Keep tools properly lubricated and clean. Replace worn bearings and backing pads. Keep mufflers and exhaust areas clean and unrestricted.

METAL QUICK GUIDE

FERROUS METALS

- 1.) Cast Iron – contains over 2% carbon, very hard & brittle
- 2.) Carbon Steel – is less than 2% carbon. Includes low carbon, mild/medium carbon, high carbon, tool steel. Will rust or corrode unless painted, plated or galvanized.
- 3.) Stainless Steel – alloyed with the metal chromium and sometimes nickel and other metals. Non-rusting or corroding. Four basic types: austenitic, martensitic, ferritic and precipitation-hardening (PH).

NON-FERROUS METALS

- 1.) Aluminum – very common, lightweight, strong, various hardnesses available. Used for a wide variety of applications.
- 2.) Copper Alloys – (pure copper, brass, bronze, copper-nickel alloys). Many types and varieties. Non-corroding.
- 3.) Zinc – Lightweight, white-colored metal. Mostly for die cast parts or for galvanizing steel to prevent rusting.
- 4.) Magnesium – Very lightweight, similar to aluminum. Usually cast.
- 5.) Titanium – Space age material for medical, nuclear and aerospace markets. Very lightweight, very strong.
- 6.) Nickel and nickel alloys – Monel is the most common nickel alloy. Similar to stainless steel. Pure nickel is usually alloyed with other metals

METAL FINISHES

Stainless Steel Mill Finishes

- #2B A mill cold-rolled finish. No abrasive used.
- #3 A 2B finish processed with #100 AO belt.
- #4 Dairy or Food Service finish. A 2B finish processed with #100 AO belts, followed by #120 AO finish or medium density non-woven.
- #6 A # 4 finish which has been buffed. A fine satin finish.
- #7 A #4 finish followed by #180 then #240 AO belts, the cut-buffed and finally color-buffed to a reflective finish. A bright finish with some grit lines still visible.
- #8 A #4 finish followed by #180, 240, 320 and 400 AO belts, followed by cut-buffing, followed by color-buffing to a mirror finish. No grit lines available. A convolute or similar wheel may be used instead of the cut/color buffing steps if acceptable.

SOFT VS HARD WHEELS

SOFT

- Shorter wheel life
- High stock removal
- Faster cut
- Large contact areas
- Less bond holding the grain together
- For use on harder metals

HARD

- Longer wheel life
- Lower stock removal
- Slower cut
- Finer finishes
- Small contact areas
- More bond holding the grain together

WHEEL THICKNESS

CUT OFF WHEELS

- 1/32" = .031"
- 3/64" = .045"
- 1/16" = .063"
- 5/64" = .078"
- 3/32" = .094"
- 1/8" = .125"
- 9/64" = .141"

GRINDING DISCS

- 1/8" = .125"
- 5/32" = .156"
- 1/4" = .250"
- 5/16" = .312"

STANDARD ALUMINUM FINISHES

M21 Smooth Specular:	Belt polished to 320 grit then buffed with Tripoli buffing compound
M22 Specular	Buffing without prior belt polishing

Directional Textured:

M31 Fine Satin	Belt polished to 320 then 400 grit	M32 Medium Satin	Belts polished to 180 to 320 grit
M33 Coarse Satin	Belt polished to 80 or 100 grit		
M34 Hand Rubbed	Rubbed with medium grades of steel wool or non-woven hand pad material		

Standard Finishes on Brass and Bronze

M21 Smooth Specular	Polishing to 320 grit then cut buffing with AO
M33 Specular	M21 plush light buffing
M31 Fine Satin	Polishing with AO or SC to 180 then 240
M32 Medium Satin	Polishing with AO or SC from 120 then 180
M33 Coarse Satin	Polishing with AO or SC from 80 to 120
M34 Hand Rubbed	Rubbed with medium or coarse non-woven pad
M35 Brushed	Wire brush or polish with coarse grit abrasive
M36 Uniform	Polish with 60 or 80 AO or SC

BONDED WHEEL SELECTION GUIDE

GRAIN

- A – Aluminum Oxide: for general purpose use on all metals
- C – Silicon Carbide: for use on stone and masonry applications
- Z – Alumina Zirconia: for use in aggressive cutting applications

GRIT

- 24 – Coarse: for fast cutting and maximum wheel life
- 30 – Medium/Coarse: for fast cutting and long wheel life
- 36 – Medium/Coarse: excellent for general purpose cutting
- 46 – Fine/Medium: for a smoother finish and reduced burr
- 60 – Fine: for a burr-free cut
- 80 – Fine: for a burr-free cut

GRADE

- TZ – Hard: for maximum wheel life
- R/S – Medium/Hard: for improved stock removal and life
- M/N – Soft: for maximum cut rate

DRESSING/TRUING CONVOLUTE WHEELS

Truing: To make level, balanced or concentric; bring or restore to a desired mechanical accuracy or form. To prevent vibration at high speeds, a diamond or other dressing tool is used to ensure that a non-woven grinding wheel is round and concentric.

Dressing: Removal of undesirable materials from "loaded" non-woven grinding wheels to expose unused abrasive points.

Both the above activities are limited to convolute wheels 6" in diameter and larger.

Truing or Dressing for non-woven/convolute wheels can be accomplished by either Powered Diamond Saw Blades, Coated Abrasive Materials or the use of Custom Metal Tools. The best two options of these for end users will be either the Coated Abrasive Material or the Custom Metal Tool.

The Coated Abrasive Materials option requires inexpensive material with a little technique. A piece of very coarse (24 or 36 grit) coated abrasive material and a heavy solid piece of metal is used. The coated abrasive material is used because of the many cutting points it provides for truing. The heavy piece of metal maintains contact between the non-woven wheel and the coated abrasive material. If a heavy piece of metal is not used, the coated abrasive material will bounce on and off the non-woven wheel and the wheel will not be properly trued. This method works best for the harder density non-woven wheels such as the convolute 9SF for deburring.

The Custom Metal Tool option is the most unique method of all because some operators use many different variations of "truing tools" ranging from a bottle cap to a very elaborate two-handed rake-type tooth tool. The tools are usually very thin to maintain a sharp edge, short, and have a right angle to reduce the change of snagging the tool with the wheel. This method is best suited for the softer non-woven wheels. The advantage of this method is the tool's ability to quickly cut into the wheel by actually cutting the non-woven fibers.

Profiling, which is often inaccurately referred to as "dressing", is basically putting a mirror image of the one to be sanded into the face of the sanding wheel. This procedure is not recommended for convolute wheels. There are specialty non-woven wheels made by companies like Bardo-Flex which are specifically in the weave to allow profiling.



Description	Type	Thickness	Steel	Hardened Steels	Tool Steel	Stainless Steel	High Alloy Steels	Corrosion & Acid Proof Steels	Aluminum	Bronze	Copper	Brass	Zinc, Die-Casting	Cast Iron	Stone/Concrete	Asphalt
Cut Off Wheel for Angle Grinder	A 980 TZ SPECIAL	1/32	●	●	●	●	●	●	○	○	○	○	○	○		
	A 960 TZ SPECIAL	.045	●	●	●	●	●	●	○	○	○	○	●	○		
	Z 960 TX SPECIAL	.045	●	●	●	●	●	●	○	○	○	○	●	○		
	K 960 TX SPECIAL	.045	●	●	●	●	●	●	○	○	○	○	●	●		
	A 60 TZ SPECIAL INOX	.045	●	●	●	●	●	●	○	○	○	○	●	○		
	A 60 N SUPRA	.045	○	○	○	○	○	○	●	●	●	●	○	○		
	A 46 TZ SPECIAL INOX	1/16	●	●	●	●	●	●	○	○	○	○	●	○		
	A 946 TZ SPECIAL	1/16	●	●	●	●	●	●	○	○	○	○	●	○		
	A 24 R SUPRA	3/32 - 1/8	●	●	●	○	○	○					○	○		
Die Grinder	A 660 R SUPRA small cut off wheel	3/64 - 1/16	●	●	●	●	○	○	○	○	○	○	○	○		
for Low Powered Chop Saw	A 330 N SPECIAL	3/32 - 9/64	●	○	○	○	○	○	○	○	○	○	○	○		
	A 630 N SUPRA	3/32	●	○	○	○	○	○	○	○	○	○	○	○		
	A 930 N SPECIAL	1/8	●	○	○	○	○	○	○	○	○	○	○	○		
Stationary	A 924 R SUPRA	1/8 - 3/16	●	●	●	○	○	○						○		
for Gas Powered Saw	A 24 R SPECIAL	9/64 - 5/32	●	●	●	●	●	●							○	
	A 942 SX SPECIAL	5/32	●	●												
Dual Use for Angle Grinder	TS 30 AP SPECIAL	1/8	○	○	●	●	●	●								
	A 46 VZ SPECIAL	5/64	○	○	●	●	●	●								
Grinding Discs for Angle Grinder	A 24 R SUPRA	1/4	●	●	●	○	○	○						○		
	A 24 N SUPRA INOX	1/4	○	●	○	●	●	●						○		
	A 24 S SPECIAL	1/4	○	○	○	○	○	○						●		
	C 24 R SUPRA	1/4													●	○
	A 624 T SUPRA	1/4	●	●	●	○	○	○						●		
	A 30 M SPECIAL	1/4	○	●	○	●	●	●						○		
	A 46 N SUPRA	1/4							●	○	○	○	○			

○ Possible Application, ● Ideal Application





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Valid through 31 December 2023
Buy more and save more! Choose from various saw blades. Discounts cannot be combined.



Description	Material	Backing	Available Grits	Properties	
				PSA / Kling-On	
ALUMINIUM OXIDE	PS 10 A	Paper	80, 100, 120, 150, 180, 220	Garnet	
	PS 10 C	Paper	100, 120, 150	Garnet	
	PS 10 D	Paper	36, 40, 50, 60, 80	Garnet	
	PS 20 F	Paper	60, 80, 100, 120, 150, 180, 220, 240, 320, 400		
	PS 22 F ACT	Paper	40, 60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 400	Antistatic	
	PL 28	Paper	60, 80, 100, 120, 150, 180, 220	5" & 6" Discs Only	Kling-On
	PS 29 F ACT	Paper	40, 60, 80, 100, 120, 150, 180, 220, 280, 320, 400, 500	Antistatic	PSA & Kling-On
	PL 31 B	Paper	40, 60, 80, 100, 120, 150, 180, 220, 320, 400		
	PS 33 B	Paper	150, 180, 220, 240, 280, 320, 400, 500, 600	Stearate	PSA & Kling-On
	PS 33 C	Paper	40, 60, 80, 100, 120	Stearate	PSA & Kling-On
	PS 73 BW	Paper	150, 180, 220, 240, 320, 400, 500, 600, 800, 1000, 1200, 1500	Stearate	PSA & Kling-On
	PS 73 CW	Paper	40, 60, 80, 100, 120	Stearate	PSA & Kling-On
	VP 73 CW	Latex	80, 100, 120, 150, 180, 220, 240, 320, 400, 600, 800, 1000, 1200	Stearate	PSA & Kling-On
	FP 73 W	Film - 3 mil	80, 100, 120, 150, 180, 220, 240, 320, 400, 600, 800, 1000, 1200, 1500	Stearate	PSA & Kling-On
	PS 77 C ACT	Paper	60, 80, 100, 120, 150, 180, 220		PSA & Kling-On
	FP 77 ACT	Film - 3 mil	80, 100, 120, 150, 180, 220, 320, 360, 400, 500, 600, 800, 1000, 1200, 1500, 2000		PSA & Kling-On
	CS 308 YX	Poly/Cotton	40, 60, 80, 100, 120, 150, 180, 240		
	LS 309 JF	Cloth	60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 360, 400, 600		
	LS 309 J	Cloth	60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 360, 400, 500		PSA (80-220 only)
	LS 309 XH	Cloth	40, 50, 60, 80, 100, 120, 150	Portable Belts Only	
	CS 310 XF	Cloth	40, 50, 60, 80, 100, 120, 150, 180, 220, 240		
	CS 310 X	Cloth	20, 24, 36, 40, 50, 60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 400, 600		PSA & Kling-On
	CS 311 YX ACT	Poly/Cotton	40, 50, 60, 80, 100, 120, 150, 180, 220	Antistatic	PSA
	CS 311 Y ACT	Polyester	36	Antistatic	PSA
	LS 312 JF	Cloth	80, 100, 120, 150, 180, 220, 240, 280, 320, 400	Multibond Lubricant	PSA
	LS 313 JF	Cloth	80, 100, 120, 150, 180, 220, 320	Multibond Lubricant	
	LS 318 JF ACT	Cloth	80, 100, 120, 150, 180		
	CS 326 YX	Polyester	60, 80, 120, 180, 240, 320, 600	Agglomerate	
	CS 341 X	Cloth	60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 400, 500, 600		
	KL 361 JF	Cloth	30, 40, 50, 60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 400, 500, 600	Shop Roll	
	KL 371	Cloth	40, 50, 60, 80, 100, 120, 150, 180, 220, 240, 320	Medium cotton	
	CS 412 YX	Polyester	40, 50, 60, 80, 100, 120, 150, 180, 240		
	CS 412 Y	Polyester	24, 36		
CS 561	Vulcanized fibre	16, 24, 36, 40, 50, 60, 80, 100, 120, 150, 180, 220, 240, 320			
CS 710 XF	Cloth	80, 100, 120, 150, 180, 240	Heat treated	Kling-On	
GX 712 JF	Polyester / Cloth	80, 100, 120, 150, 180, 220, 240, 280, 320, 400	Multibond Lubricant		
KLINGNET	Net / Mesh	80, 100, 120, 150, 180, 220, 240, 280, 320, 400, 600, 800	Dust Extraction	Kling-On	

Description	Type	Jumbo Width	Coating	Bonding agent	Waterproof	Application	Rolls	Short and long belts	Dynafile Belts	Wide belts	Fibre discs	Strips/Sheets	Discs	
ALUMINUM OXIDE	PS 10 A		●	G		Wood	-	-	-	-	-	•	-	
	PS 10 C		●	G		Wood	-	-	-	-	-	•	-	
	PS 10 D		●	G		Wood	-	-	-	-	-	•	-	
	PS 20 F	65	●	R		Metal, Wood	•	•	-	•	-	-	-	
	PS 22 F	65	●	R		Metal, Wood	•	•	-	•	-	-	•	
	PL 28		●	R			-	-	-	-	-	-	•	
	PS 29 F	65	○	R		Wood	•	•	-	•	-	-	•	
	PL 31 B		◐	G			-	-	-	-	-	-	•	-
	PS 33 B	49	◐	R		Paint/Varnish/Primer, Wood	•	-	-	-	-	-	•	•
	PS 33 C	49	◐	R		Paint/Varnish/Primer, Wood	•	-	-	-	-	-	•	•
	PS 73 BW	49	◐	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	-	•	•
	PS 73 CW	49	◐	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	-	•	•
	VP 73 CW	49	◐	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	-	•	•
	FP 73 W	49	◐	R	✓	Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	-	-	-	-	-	-	-	•
	PS 77	49	◐	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	-	•	•
	FP 77	49	◐	R	✓	Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	-	•	•
	CS 308 YX	61	●	R		Metal, Wood	•	•	•	•	-	-	-	-
	LS 309 JF	61	●	R		Metal, Wood	•	•	-	-	-	-	-	-
	LS 309 J	61	●	R		Metal, Wood	•	•	-	-	-	-	-	•
	LS 309 XH	49	◐	R		Metal, Wood	-	•	-	-	-	-	-	-
	CS 310 XF	61	●	R		Metal, Wood	-	•	•	-	-	-	-	-
	CS 310 X	61	●	R		Metal, Wood	•	•	-	•	-	-	-	•
	CS 311 YX	61	○	R		Metal, Wood	•	•	-	•	-	-	-	•
	CS 311 Y	61	○	R	✓	Metal, Wood	•	•	-	•	-	-	-	•
	LS 312 JF	61	◐	R		Metal, Stainless Steel, Wood	•	•	-	-	-	-	-	•
	LS 313 JF	61	●	R		Metal, Stainless Steel, Wood	•	•	-	-	-	-	-	-
	LS 318 JF	61	○	R		Metal, Wood	-	•	-	-	-	-	-	-
	CS 326 YX	61	●	R	✓	Metal, Stainless Steel	-	•	-	•	-	-	-	-
	CS 341 X	61	●	R	✓	Metal, Stainless Steel	-	•	-	•	-	-	-	-
	KL 361 JF	49	●	R		Metal, Wood	•	-	-	-	-	-	•	-
	KL 371		●	G		Metal	-	-	-	-	-	-	•	-
	CS 412 YX	61	●	R	✓	Metal, Wood	•	•	•	•	-	-	-	-
	CS 412 Y	61	●	R	✓	Metal, Wood	•	•	•	•	-	-	-	-
	CS 561	61	●	R		Metal	-	-	-	-	•	-	-	-
CS 710 XF	61	●	R		Metal, Wood	•	•	•	-	-	-	-	•	
GX 712 JF	61	●	R	✓	Metal, Stainless Steel	•	•	-	-	-	-	-	-	
KLINGNET		○	R		Fiberglass, Paint/Varnish/Primer, Wood, Composite	-	-	-	-	-	-	•	•	



Description	Material	Backing	Available Grits	Properties	PSA / Kling-On
SILICON CARBIDE	PS 11 A	Paper	220, 280, 240, 320, 400, 500, 600, 800, 1000, 1200, 1500, 2000	Wet/Dry	PSA & Kling-On
	PS 11 C	Paper	60, 80, 100, 120, 150, 180	Wet/Dry	PSA & Kling-On
	PS 19 E	Paper	16, 20, 24, E - 36, 40, 50, 60, 80, 100, 120		
	PS 24 F <i>ACT</i>	Paper	80, 120, 150, 180, 220, 240, 280, 320, 400, 500, 600	Antistatic (E Weight @240+)	
	PS 27 DW	Paper	220, 240, 280, 320, 400, 600	Stearate, Antistatic	
	PS 35 BW	Paper	80, 120, 150, 180, 220, 280, 320, 400	Stearate	PSA & Kling-On
	CS 320 Y	Polyester	24, 40, 60, 80, 100, 120, 180		
	CS 321 X	Cloth	80, 100, 120, 150, 180, 220, 240, 320, 400, 500, 800		
	CS 333 X	Cloth	24, 36, 40, 60, 80, 100, 120, 150		PSA
	CS 333 JF	Cloth	120, 150, 180, 240, 320		
	CS 538 Z <i>ACT</i>	Polyester	36, 40, 50, 60, 80, 100, 120, 150, 180	Antistatic	
	CS 539 Z <i>ACT</i>	Polyester	60, 80	Antistatic, Crushed Grain	
	GX 533 JF	Polyester/Cloth	80, 100, 150, 180, 240, 320, 360, 400		

ALUMINA ZIRCONIA	PS 21 F	Paper	40, 60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 400		PSA
	PS 36 CW	Paper	60, 80, 100, 120, 150, 180, 220	Stearate	PSA & Kling-On
	PS 36 DW	Paper	36, 40	Stearate	PSA & Kling-On
	CS 409 YY	Polyester	36, 40, 50	Multibond lubricant	PSA in grits 36,50,80,120
	CS 409 YX	Polyester	60, 80, 100, 120	Multibond lubricant	
	CS 411 X	Cloth	24, 36, 40, 50, 60, 80, 120		PSA
	CS 411 YX	Polyester	80, 120		
	CS 411 Y	Polyester	24, 36, 40, 50, 60		
	CS 416 Y	Polyester	24, 36, 40, 50, 60, 80, 100, 120		
	CS 565	Vulcanized fibre	24, 36, 40, 50, 60, 80, 100		
	CS 570	Vulcanized fibre	24, 36, 50, 60, 80, 100, 120	Multibond lubricant	
	CS 811 YY <i>ACT</i>	Polyester	24, 36, 40, 50, 60		

CERAMIC ALUMINUM OXIDE	PS 61 F	Paper	60, 80, 120, 150, 180, 220, 240, 280		Kling-On
	CS 631 XF <i>ACT</i>	Cloth	60, 80, 100, 120	Multibond lubricant	
	CS 922 Y <i>ACT</i>	Polyester	80, 100, 120, 150, 180		PSA
	CS 922 YY	Polyester	36, 40, 50, 60		PSA
	CS 920 Y <i>ACT</i>	Polyester	80	Multibond lubricant	PSA
	CS 920 YY <i>ACT</i>	Polyester	24, 36, 40, 50, 60	Multibond lubricant	PSA
	CS 931 JF <i>ACT</i>	Cloth	80, 120, 180, 240, 320	Multibond lubricant	
	FS 964 <i>ACT</i>	Vulcanized fibre	24, 36, 40, 50, 60, 80, 120		
	FS 966 <i>ACT</i>	Vulcanized fibre	24, 36, 40, 50, 60, 80, 120	Multibond lubricant	
	GX 931 JF	Polyester/Cloth	60, 80, 100, 120, 150	Multibond lubricant	

ACT Advanced Coating Technology, ○ Open Coat, ● Semi Open Coat, ● Closed Coat, R = Resin, G = Glue

Description	Type	Jumbo Width	Coating	Bonding agent	Waterproof	Application	Rolls	Short and long belts	Dynaflex Belts	Wide belts	Fibre discs	Strips/Sheets	Discs
SILICON CARBIDE	PS 11 A	46	●	R	✓	Glass & Stone, Paint/Varnish/Primer, Plastic/Rubber	•	-	-	-	-	•	•
	PS 11 C	46	●	R	✓	Glass & Stone, Paint/Varnish/Primer, Plastic/Rubber	•	-	-	-	-	•	•
	PS 19 E	49	○	R		Wood Floor Sanding	•	-	-	-	-	-	•
	PS 24 F	65	●	R		Metal, Paint/Varnish/Primer, Plastic/Rubber	•	•	-	•	-	-	-
	PS 27 DW	57	○	R		Wood Finishes, UV Finishes	-	•	-	•	-	-	-
	PS 35 BW	57	○	R		Paint/Varnish/Primer	•	-	-	-	-	•	•
	CS 320 Y	61	●	R	✓	Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	•	•	•	•	-	-	-
	CS 321 X	65	●	R	✓	Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	-	•	-	•	-	•	•
	CS 333 X	61	●	R		Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	-	•	-	•	-	•	•
	CS 333 JF	61	●	R		Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	•	•	-	-	-	•	-
	CS 538 Z	65	●	R	✓	Panelboard, Particleboard, MDF	-	-	-	•	-	-	-
	CS 539 Z	65	●	R	✓	Coil Polishing, Stainless Steel	-	-	-	•	-	-	-
	GX 533 JF	61	●	R	✓	Non Ferrous Metals,Paint/Varnish/Primer,Plastic/Rubber	•	•	-	-	-	-	-

ALUMINA ZIRCONIA	PS 21 F	57	●	R		Metal, Stainless Steel, Wood	•	•	-	•	-	-	•
	PS 36 CW	49	◐	R		Metal, Stainless Steel, Wood	•	-	-	-	-	•	•
	PS 36 DW	49	◑	R		Metal, Stainless Steel, Wood	•	-	-	-	-	•	•
	CS 409 Y	61	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 409 YX	61	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 411 X	61	●	R		Metal, Stainless Steel	•	•	-	-	-	-	•
	CS 411 YX	61	●	R	✓	Metal, Stainless Steel	•	•	•	•	-	-	-
	CS 411 Y	61	●	R	✓	Metal, Stainless Steel	•	•	•	•	-	-	-
	CS 416 Y	61	◐	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 565		●	R		Metal, Stainless Steel	-	-	-	-	•	-	-
	CS 570		●	R		Metal, Stainless Steel	-	-	-	-	•	-	-
	CS 811 YY	61	●	R	✓	Metal	•	•	•	•	-	-	-

CERAMIC ALUMINUM OXIDE	PS 61 F	65	●	R		Metal, Stainless Steel	•	•	-	•	-	-	•
	CS 631 XF	61	●	R		Metal, Stainless Steel	-	•	•	-	-	-	-
	CS 922 Y	61	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	•
	CS 922 YY	61	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	•
	CS 920 Y	61	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	•
	CS 920 YY	61	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	•
	CS 931 JF	61	●	R		Metal, Stainless Steel	-	•	-	-	-	-	-
	FS 964		●	R		Carbon Steel, Metal	-	-	-	-	•	-	-
	FS 966		●	R		Metal, Stainless Steel	-	-	-	-	•	-	-
	GX 931 JF	61	●	R	✓	Metal, Stainless Steel	-	•	-	-	-	-	-

10" Discs & Larger Only



