KLINGSPOR Full Line Product Catalog 2017



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- for internal use only

800-645-5555 • www.klingspor.com

TERMS AND CONDITIONS

TERMS: Minimum $50.00 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 15% 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.

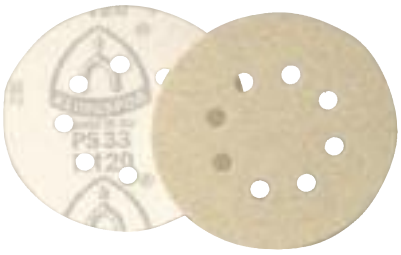
LLOYD'S REGISTER LRQA
ISO 9001
ANAB ACCREDITED
MANAGEMENT SYSTEMS CERTIFICATION BODY

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MGCS

Hook & Loop Discs WITH HOLES OR WITHOUT



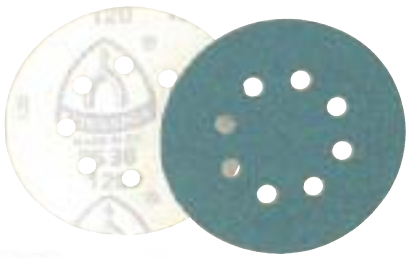
PS 33 ALUMINUM OXIDE STEARATE PAPER

Diameter	Grit	Price Per Box
3-1/2"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
4"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
4-1/2"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
5"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
6"	100+	$50.19
100/Box	80	52.54
	60	56.55
	40	73.68
8"	100+	$44.39
50/Box	80	46.64
	60	50.25
	40	65.07
11"	100+	$84.70
25/Box	80	98.05
	60	98.93
	40	106.31



FP 73W ALUMINUM OXIDE STEARATE FILM

Diameter	Grit	Price Per Box
5" 100/Box	100+	$57.25
	80	60.04
6" 100/Box	100+	$74.98
	80	80.51



PS 36 ALUMINA ZIRCONIA STEARATE PAPER

Diameter	Grit	Price Per Box
5"	100+	$47.11
100/Box	80	49.35
	60	53.82
	40	60.56
50/Box	36	35.98
6"	100+	$61.69
100/Box	80	64.57
	60	69.51
	40	81.63
50/Box	36	47.82



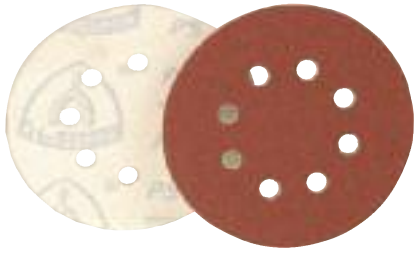
PS 73W ALUMINUM OXIDE STEARATE PAPER

Diameter	Grit	Price Per Box
5"	100+	$44.05
100/Box	80	46.19
6"	100+	$57.69
100/Box	80	61.94
8"	100+	$51.06
50/Box	80	53.65



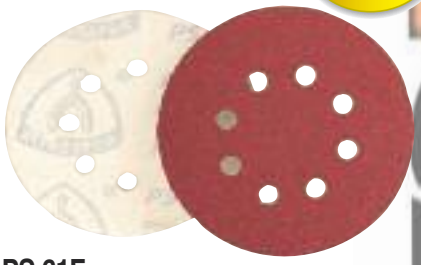
VP 73W ALUMINUM OXIDE STEARATE LATEX PAPER

Diameter	Grit	Price Per Box
5"	100+	$44.05
100/Box	80	46.19
6"	100+	$57.69
100/Box	80	61.94
8"	100+	$51.06
50/Box	80	53.65



PS 29 ALUMINUM OXIDE HEAVY PAPER WITH ACT

Diameter	Grit	Price Per Box
4-1/2"	100+	$54.14
50/Box	80	56.83
	60	58.64
	40	64.90
5"	100+	$54.14
50/Box	80	56.83
	60	58.64
	40	64.90
6"	100+	$76.67
50/Box	80	82.08
	60	86.58
	40	97.43

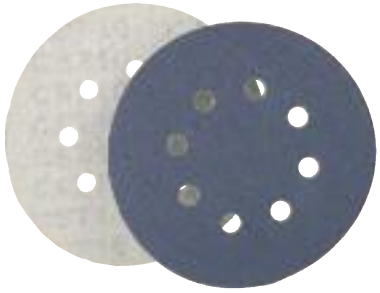


PS 61F

Diameter	Grit	Price Per Box
4-1/2"	100+	$75.80
50/Box	80	79.56
	60	82.10
	40	90.86
5"	100+	$75.80
50/Box	80	79.56
	60	82.10
	40	90.86
6"	100+	$107.34
50/Box	80	114.91
	60	121.21
	40	136.40

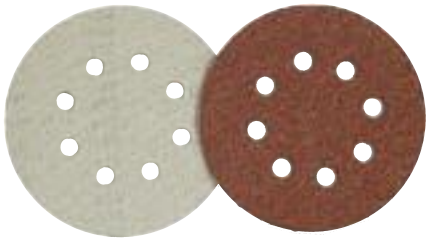
MGAGES

Hook & Loop Discs WITH HOLES OR WITHOUT



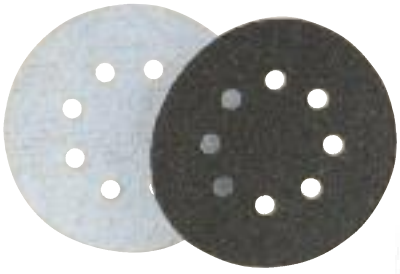
CS 710 XF HEAT TREATED ALUMINUM OXIDE CLOTH

Diameter	Grit	Price Per Box
5"	100-180	$50.17
50/Box	80	52.63
6"	100-180	$63.22
50/Box	80	65.64



CS 310 X ALUMINUM OXIDE CLOTH

Diameter	Grit	Price Per Box
5"	60	$101.58
50/Box	40	115.82
	36	122.86
	24	138.97
6"	60	$140.77
50/Box	40	162.22
	36	172.81
	24	195.95



PS 11 SILICON CARBIDE WATERPROOF A/C WEIGHT LATEX PAPER

Diameter	Grit	Price Per Box
5"	220+	$68.54
100/Box	180	73.96
	150	75.73
	120	79.39
	100	86.55
	80	93.78
	60	97.41
6"	220+	$98.72
100/Box	180	104.29
	150	109.85
	120	115.40
	100	126.29
	80	133.91
	60	142.19
11"	220+	$152.77
25/Box	180	160.97
	150	178.03
	120	178.03
	100	178.03
	80	207.00
	60	227.69



PS 31 ALUMINUM OXIDE LIGHT-WEIGHT PAPER

Diameter	Grit	Price Per Box
4-1/2"	100+	$25.84
50/Box	80	27.16
	60	28.03
	40	36.81
5"	100+	$25.84
50/Box	80	27.16
	60	28.03
	40	36.81
6"	100+	$35.27
50/Box	80	37.86
	60	41.30
	40	49.90



PL 35 SILICON CARBIDE STEARATE B WEIGHT PAPER

PL 36 ALUMINUM OXIDE STEARATE B WEIGHT PAPER

Diameter	Grit	Price Per Box
5"	100+	$35.02
100/Box	80	36.82
6"	100+	$46.16
100/Box	80	48.38

Black Hook Material

"CONVERT FROM PSA TO HOOK & LOOP"



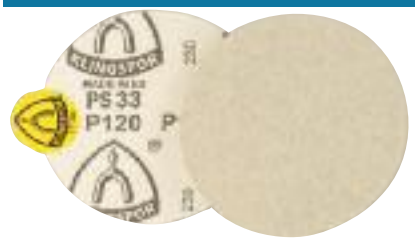
Quickly and easily convert your old PSA disc sanders to hook & loop sanders with this "hook" material. Simply determine what size and hole configuration you'll need and affix these pre-cut "hook" discs to your PSA backing pad. Now you can realize the benefits of using KLINGSPOR Kling-On discs without having to reinvest in new backing pads or new sanders. It's that quick and that easy! Comes in packages of 5.

Disc Size	Price Per Pack of 5
5" x No Hole	$15.63
6" x No Hole	$17.87
5" x 5 Hole	$15.63
5" x 8 Hole	$15.63
5" x 16 Hole	$15.63
6" x 6 Hole	$17.87
6" x 8 Hole	$17.87

MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

PSA Discs - WITH HOLES OR WITHOUT



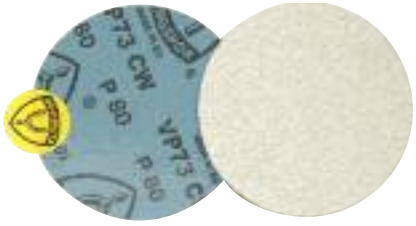
PS 33 ALUMINUM OXIDE STEARATE B/C WEIGHT PAPER

Diameter	Grit	Price Per Box
3-1/2"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
4"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
4-1/2"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
5"	100+	$38.30
100/Box	80	40.15
	60	43.79
	40	49.28
6"	100+	$50.19
100/Box	80	52.54
	60	56.55
	40	73.68
8"	100+	$44.39
50/Box	80	46.64
	60	50.25
	40	65.07



PS 73W ALUMINUM OXIDE STEARATE B/C WEIGHT PAPER

Diameter	Grit	Price Per Box
5"	100+	$44.05
100/Box	80	46.19
6"	100+	$57.69
100/Box	80	61.94
8"	100+	$51.06
50/Box	80	53.65



VP 73W ALUMINUM OXIDE STEARATE C WEIGHT LATEX PAPER

Diameter	Grit	Price Per Box
5"	100+	$44.05
100/Box	80	46.19
6"	100+	$57.69
100/Box	80	61.94
8"	100+	$51.06
50/Box	80	53.65



FP 73W ALUMINUM OXIDE STEARATE FILM

Diameter	Grit	Price Per Box
5" 100/Box	100+	$57.25
	80	60.04
6" 100/Box	100+	$74.98
	80	80.51



PS 36 ALUMINA ZIRCONIA STEARATE C/D WEIGHT PAPER

Diameter	Grit	Price Per Box
5"	100+	$47.11
100/Box	80	49.35
	60	53.82
	40	60.56
50/Box	36	35.98
6"	100+	$61.69
100/Box	80	64.57
	60	69.51
	40	81.63
50/Box	36	47.82



PS 21 ALUMINA ZIRCONIA F WEIGHT PAPER

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

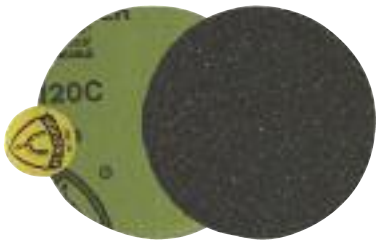
Diameter	Grit	Price Per Box
5"	100+	$95.22
100/Box	80	99.55
	60	103.87
50/Box	40	58.45
6"	100+	$138.49
100/Box	80	144.98
	60	153.65
50/Box	40	86.55
7"	100+	$199.10
100/Box	80	212.10
	60	222.90
50/Box	40	125.54
8"	100+	$126.63
50/Box	80	134.19
	60	140.68
	40	154.76
9"	100+	$161.24
50/Box	80	170.96
	60	180.71
	40	203.45
10"	100+	$198.00
50/Box	80	210.99
	60	222.90
	40	251.06
12"	100+	$145.52
25/Box	80	153.65
	60	163.39
	40	183.43



PL 35 SILICON CARBIDE STEARATE B WEIGHT PAPER PL 36 ALUMINUM OXIDE STEARATE B WEIGHT PAPER

Diameter	Grit	Price Per Box
5"	100+	$35.02
100/Box	80	36.82
6"	100+	$46.16
100/Box	80	48.38

PSA Discs Paper- WITH HOLES OR WITHOUT



PS 11 SILICON CARBIDE WATERPROOF A/C WEIGHT PAPER

Wet sanding of wood finishes, glass, stone or clay are easily accomplished with these waterproof discs.

Diameter	Grit	Price Per Box
3-1/2"	220A+	$61.33
100/Box	180C	63.13
	150C	66.75
	120C	70.33
	100C	77.56
	80	81.15
	60	84.76
4"	220A+	$61.33
100/Box	180C	63.13
	150C	66.75
	120C	70.33
	100C	77.56
	80	81.15
	60	84.76
5"	220A+	$68.69
100/Roll	180	72.33
	150	76.35
	120	80.20
	100	87.62
	80	92.23
	60	96.81
6"	220A+	$98.72
100/Roll	180	104.29
	150	109.85
	120	115.40
	100	126.29
	80	133.91
	60	142.19
7"	220A+	$147.89
100/Box	180C	158.71
	150C	165.93
	120C	171.33
	100C	191.15
	80	202.02
	60	214.65
8"	220A+	$95.58
50/Box	180C	100.09
	150C	105.54
	120C	111.81
	100C	127.17
	80	128.05
	60	134.37

PS 11 - CONTINUED

Diameter	Grit	Price Per Box
9"	220A+	$120.83
50/Box	180C	127.15
	150C	133.49
	120C	141.60
	100C	154.22
	80	163.20
	60	173.11
10"	220A+	$149.12
50/Box	180C	156.90
	150C	165.02
	120C	174.03
	100C	190.27
	80	202.02
	60	213.69
12"	220A+	$109.12
50/Box	180C	114.97
	150C	121.29
	120C	127.17
	100C	139.33
	80	147.89
	60	156.46

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



PS 31 ALUMINUM OXIDE OPEN COAT A/C/D WEIGHT PAPER

These paper discs are perfect for production wood sanding situations or for those looking for the most economical sanding disc.

Diameter	Grit	Price Per Box
5"	100+	$37.24
50/Box	80	39.01
	60	42.58
	40	47.83
6"	100+	$48.77
50/Box	80	51.04
	60	54.95
	40	71.61



PS 29 ALUMINUM OXIDE OPEN COAT F WEIGHT PAPER WITH ACT

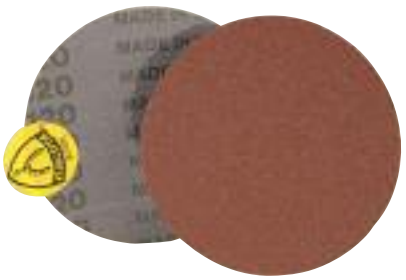
Diameter	Grit	Price Per Box
5"	100+	$79.39
100/Box	80	82.95
	60	86.55
	40	97.41
6"	100+	$115.42
100/Box	80	120.83
	60	128.05
	40	144.29
7"	100+	$165.93
100/Box	80	176.74
	60	185.74
	40	209.21
8"	100+	$105.54
100/Box	80	111.81
	60	117.24
	40	128.94
9"	100+	$134.37
50/Box	80	142.45
	60	150.58
	40	169.54
10"	100+	$165.02
50/Box	80	175.87
	60	185.74
	40	209.21
12"	100+	$121.29
25/Box	80	128.05
	60	136.20
	40	152.86

Call for availability of other sizes.

MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

PSA Discs Cloth - WITH HOLES OR WITHOUT



CLOTH PSA DISC AVAILABLE MATERIALS

LS 309	A/O J wt Cloth
CS 310	A/O X wt Cloth
CS 311	A/O Open Coat YX wt Cloth
CS 321	S/C Waterproof YX/X wt Cloth 220 Grit & Finer
CS 333	S/C X wt Cloth
CS 411*	A/Z X wt Cloth

* 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+	$42.09
50/Box	80	43.63
	60	46.00
	50	47.53
	40	49.86
	36	51.44
	24	56.09
4"	100+	$48.32
50/Box	80	50.69
	60	53.77
	50	56.09
	40	59.24
	36	61.59
	24	70.14
5"	100+	$56.88
50/Box	80	60.01
	60	63.12
	50	66.25
	40	69.38
	36	73.25
	24	82.61
6"	100+	$82.61
50/Box	80	87.28
	60	92.74
	50	98.20
	40	103.65
	36	109.90
	24	123.93
8"	100+	$152.76
50/Box	80	160.54
	60	168.34
	50	176.95
	40	185.52
	36	194.83
	24	219.78
10"	100+	$118.87
25/Box	80	126.26
	60	133.66
	50	141.84
	40	150.42
	36	157.42
	24	178.86
12"	100+	$69.70
10/Box	80	73.88
	60	78.41
	50	83.08
	40	88.08
	36	93.40
	24	104.75
20"	100+	$197.82
10/Box	80	209.65
	60	222.45
	50	235.70
	40	249.88
	36	264.84
	24	297.56

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

KL 385 ALUMINUM OXIDE JF WEIGHT CLOTH

Diameter	Grit	Price Per Box
5"	220-100	$76.23
100/Box	80	80.82
6"	220-100	$111.29
100/Box	80	117.39



LS 312 ALUMINUM OXIDE DRY-LUBE JF WEIGHT CLOTH

Diameter	Grit	Price Per Box
5"		
50/Box	220-120	$63.01
6"		
50/Box	220-120	91.52

Backing Pads



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

For Porter Cable Orbital Sanders: pads attach with 3 drop down screws thru the face

5" x No Hole Hook & Loop
FJ41515 .....$17.78
• fits Porter Cable 332 Random Orbit Sander (*also fits PC 333, 334, 335) • MAX RPM 12,000

5" x 5 Hole Hook & Loop
FJ41515-H5 .....$17.78
• fits Porter Cable 333, 334, 335 Random Orbit Sanders • MAX RPM 12,000

5" x No Hole Hook & Loop
FJ70515 .....$17.78
• fits Dynabrade models 59005, 59020, 59035, 56815, 56850 • MAX RPM 12,000

5" x No Hole PSA
FJ70515V.....$26.34
• fits Chicago Pneumatic Models CP-3575-SP, CP-3565-SH • fits all Dynabrade models 59005, 59020, 59035, 56815, 56850 • MAX RPM 12,000

5" x 5 Hole Hook & Loop
FJ70515-H5 .....$17.78
• fits Dynabrade models 59008, 59023, 59038, 59009, 59024, 59039, 56818, 56853, 56819, 56854 • fits Sioux Model 790VV • fits Chicago Pneumatic Model CP-3575-VP • MAX RPM 12,000

5" x 8 Hole Hook & Loop
FJ43515-H8 .....$20.32
• fits Porter Cable and Dewalt • MAX RPM 12,000

5" x 9 Hole Hook & Loop
FJ48495-H9 .....$24.06
• fits Festool • MAX RPM 10,000

6" x No Hole Hook & Loop
FJ70516 .....$20.32
• fits Dynabrade Models 59010, 59025, 59040, 56826, 56859 • MAX RPM 12,000

6" x No Hole PSA
FJ70516V.....$30.76
• fits Chicago Pneumatic Models CP-3576-SP, CP-3566-SH, CP-9164, 763, 763P, 764, 764P • fits Ingersoll-Rand Models IR310, IR311 • fits Sioux Model 5558A • fits all Dynabrade models 59010, 59025, 59040, 56826, 56859 • MAX RPM 12,000

6" x 6 Hole Hook & Loop
FJ70516-H6 .....$20.32
• fits Dynabrade models 59013, 59028, 59043, 59014, 59029, 59044, 56829, 56862, 56830, 56863 • fits Chicago Pneumatic Models CP-3576-VP, 760, 760P, 761, 761P • MAX RPM 12,000

6" x 9 Hole Hook & Loop
FJ78596-H9 .....$26.34
• fits Festool • MAX RPM 10,000

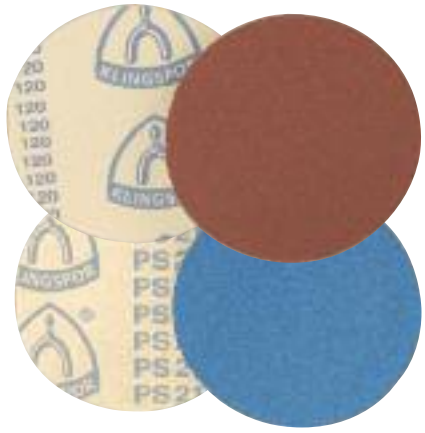
MGAGES

Heavyweight Plain Paper Discs - Non PSA

HEAVYWEIGHT PLAIN PAPER DISC AVAILABLE MATERIALS

PS 20	A/O F wt Paper
PS 22	A/O F wt Paper A/S ACT
PS 24*	S/C E wt Paper w/ ACT
	* Add 10% to price shown
PS 29	A/O Open Coat F Wt Paper ACT
PS 61*	CR F Wt Paper
	* Add 40% to price shown

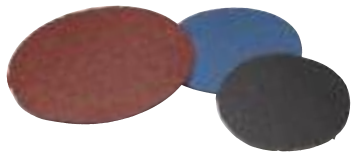
Diameter	Grit	Price Per Box
4"	100+	$22.86
50/Box	80	24.61
	60	26.29
	50	28.84
	40	32.23
5"	100+	$31.36
50/Box	80	34.76
	60	38.17
	50	42.42
	40	46.65
6"	100+	$43.25
50/Box	80	46.65
	60	51.73
	50	58.52
	40	64.45
7"	100+	$64.45
50/Box	80	69.56
	60	77.21
	50	85.64
	40	94.13
8"	100+	$78.90
50/Box	80	84.82
	60	94.99
	50	106.02
	40	117.04
9"	100+	$102.60
50/Box	80	110.27
	60	123.86
	50	136.54
	40	150.96
10"	100+	$127.20
50/Box	80	136.54
	60	152.68
	50	169.61
	40	186.58
12"	100+	$186.58
50/Box	80	201.84
	60	224.73
	50	248.49
	40	274.76



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

PS 21 Plain Paper Discs - Non PSA

Diameter	Grit	Price Per Box
4"	100+	$27.47
50/Box	80	29.52
	60	31.56
	40	38.68
5"	100+	$37.67
50/Box	80	41.73
	60	45.82
	40	55.96
6"	100+	$51.93
50/Box	80	55.96
	60	62.08
	40	77.35
7"	100+	$77.35
50/Box	80	83.43
	60	92.62
	40	112.97
8"	100+	$94.65
50/Box	80	101.77
	60	114.00
	40	140.45
9"	100+	$123.15
50/Box	80	132.32
	60	148.59
	40	181.16
10"	100+	$152.66
50/Box	80	163.87
	60	183.19
	40	223.90
12"	100+	$223.90
50/Box	80	242.22
	60	269.65
	40	329.74



Plain Cloth Discs - Non PSA

PLAIN CLOTH DISC AVAILABLE MATERIALS

LS 309	A/O J/JF wt Cloth
CS 310	A/O X wt Cloth
CS 311	A/O Open Coat YX wt Cloth
CS 321*	S/C Waterproof X wt Cloth
	* Add 5% to price shown
CS 411**	A/Z X/YX/YY wt Cloth
	** 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+	$28.84
50/Box	80	30.52
	60	32.23
	50	34.76
	40	36.47
	36	39.04
	24	44.10
5"	100+	$41.88
50/Box	80	44.95
	60	48.36
	50	50.89
	40	55.13
	36	58.52
	24	66.16
6"	100+	$59.35
50/Box	80	62.78
	60	67.01
	50	72.09
	40	77.21
	36	82.27
	24	93.28
7"	100+	$84.82
50/Box	80	89.88
	60	95.85
	50	102.60
	40	108.56
	36	116.20
	24	131.45
8"	100+	$107.71
50/Box	80	112.73
	60	121.27
	50	129.73
	40	138.25
	36	147.58
	24	167.08
9"	100+	$138.25
50/Box	80	145.03
	60	156.06
	50	165.39
	40	176.39
	36	189.13
	24	213.70
10"	100+	$85.22
50/Box	80	89.47
	60	96.71
	50	102.61
	40	109.41
	36	117.04
	24	132.31
12"	100+	$124.28
10/Box	80	130.60
	60	140.79
	50	149.25
	40	159.02
	36	170.02
	24	192.09

PSA Discs Rolls

Non-loading discs, a favorite in wood and finish sanding, on a roll in our popular dispenser box.

PS 33 ALUMINUM OXIDE STEARATE B/C WEIGHT PAPER

Diameter	Grit	Price Per Roll
3 1/2"	100+	$38.30
100/Roll	80	40.15
5"	100+	$38.30
100/Roll	80	40.15
6"	100+	$50.19
100/Roll	80	52.54

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

Diameter	Grit	Price Per Roll
3 1/2"	100+	$44.05
100/Roll	80	46.19
5"	100+	$44.05
100/Roll	80	46.19
6"	100+	$57.69
100/Roll	80	66.32

PL 35 SILICON CARBIDE STEARATE B WEIGHT PAPER

Diameter	Grit	Price Per Roll
3 1/2"	100+	$35.02
100/Roll	80	36.82
5"	100+	$35.02
100/Roll	80	36.82
6"	100+	$46.16
100/Roll	80	48.38



Waterproof PSA Discs Rolls



PS 11 SILICON CARBIDE WATERPROOF A/C WEIGHT LATEX PAPER

Easily dispense these discs for wet applications.

Diameter	Grit	Price Per Roll
5"	220+	$68.69
100/Roll	180	72.33
	150	76.35
	120	80.20
	100	87.62
	80	92.23
	60	96.81

Diameter	Grit	Price Per Roll
6"	220+	$98.72
100/Roll	180	104.29
	150	109.85
	120	115.40
	100	126.29
	80	133.91
	60	142.19

Soft Hand Pads

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

	List Price
5" Hook & Loop Foam Hand Pad 1/8" Thick with Strap	FJ2215.....$7.96
5" PSA Foam Hand Pad 1/8" Thick with Strap	FJ2115.....$7.96



File Belts

Approved Dynafile Materials: CS310XF, CS710XF, CS308Y, CS321X, CS320Y, CS411Y, CS409Y, CS416Y, CS631XF, CS910, CS912, Non-Woven * 1/8" wide belts are not guaranteed against breakage. All belts with #4 (butt splice) only.

ALUMINUM OXIDE

Belt Size	Grit	Price Per Box
* 1/8" x 12", 1/4" x 12", 1/2" x 12"		
10/Box	100+	$10.90
	80	10.90
	60	10.90
	50	10.90
	40	10.90
* 1/8" x 18", 1/4" x 18", 1/2" x 18"		
10/Box	100+	$12.08
	80	12.08
	60	12.08
	50	12.08
	40	12.08
1/4" x 20 1/2", 1/2" x 20 1/2"		
10/Box	100+	$13.27
	80	13.27
	60	13.27
	50	13.27
	40	13.27
* 1/8" x 24", 1/4" x 24", 1/2" x 24"		
10/Box	100+	$14.48
	80	14.48
	60	14.48
	50	14.48
	40	14.48
1/4" x 30", 1/2" x 30"	100+	$15.68
10/Box	80	15.68
	60	15.68
	50	15.68
	40	15.68
3/8" x 13"	100+	$11.74
10/Box	80	11.74
	60	11.74
	50	11.74
	40	11.74
5/8" x 18", 3/4" x 18"	100+	$14.65
10/Box	80	14.65
	60	14.65
	50	14.65
	40	14.65
5/8" x 20 1/2", 3/4" x 20 1/2"	100+	$15.68
10/Box	80	15.68
	60	15.68
	50	15.68
	40	15.68
5/8" x 24", 3/4" x 24	100+	$16.86
10/Box	80	16.86
	60	16.86
	50	16.86
	40	16.86

Premium

CS 409 Y - ALUMINA ZIRCONIA WITH MULTIBOND LUBRICANT

A lubricated alumina zirconia material, CS 409 is ideal for tougher metals and for heavier weld beads and burrs. The dry lubricant aids in the reduction of generated heat.

Belt Size	Grit	Price Per Box
* 1/8" x 12", 1/4" x 12", 1/2" x 12"		
10/Box	100+	$14.48
	80	14.48
	60	14.48
	50	14.48
	40	14.48
* 1/8" x 18", 1/4" x 18", 1/2" x 18"		
10/Box	100+	$15.68
	80	15.68
	60	15.68
	50	15.68
	40	15.68
1/4" x 20 1/2", 1/2" x 20 1/2"		
10/Box	100+	$17.05
	80	17.05
	60	17.05
	50	17.05
	40	17.05
* 1/8" x 24", 1/4" x 24", 1/2" x 24"		
10/Box	100+	$18.04
	80	18.04
	60	18.04
	50	18.04
	40	18.04
1/4" x 30", 1/2" x 30"	100+	$19.22
10/Box	80	19.22
	60	19.22
	50	19.22
	40	19.22
3/8" x 13"	100+	$15.34
10/Box	80	15.34
	60	15.34
	50	15.34
	40	15.34
5/8" x 18", 3/4" x 18"	100+	$17.51
10/Box	80	17.51
	60	17.51
	50	17.51
	40	17.51
5/8" x 20 1/2", 3/4" x 20 1/2"	100+	$18.88
10/Box	80	18.88
	60	18.88
	50	18.88
	40	18.88
5/8" x 24", 3/4" x 24	100+	$20.44
10/Box	80	20.44
	60	20.44
	50	20.44
	40	20.44



Ceramic File Belts *



CS 912 YY CERAMIC ALUMINUM OXIDE

CS 910 YY WITH MULTIBOND LUBRICANT

CS 631 XF WITH MULTIBOND LUBRICANT

Belt Size	Grit	Price Per Box
1/4" x 18", 1/2" x 18"	180-100	$17.12
	80	18.03
	60	18.03
	50	18.03
	36	18.03
1/4" x 20 1/2", 1/2" x 20 1/2"	100+	$18.64
	80	19.61
	60	19.61
	50	19.61
	36	19.61
1/4" x 24", 1/2" x 24"	100+	$19.74
	80	20.78
	60	20.78
	50	20.78
	36	20.78
5/8" x 18", 3/4" x 18"	100+	$19.16
10/Box	80	20.17
	60	20.17
	50	20.17
	40	20.17
5/8" x 24", 3/4" x 24	100+	$22.31
10/Box	80	23.48
	60	23.48
	50	23.48
	40	23.48

* Scalloped File Belts Available with Upcharge

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Portable Belts

Premium Portable Belts

The ultimate in life and consistency. Premium components offer extended use in wood sanding applications.



CS 311 YX ALUMINUM OXIDE OPEN COAT YX WEIGHT POLYESTER CS 310 X ALUMINUM OXIDE X WEIGHT CLOTH

Belt Size	Grit	Price Per Box
1" x 42" 10/Box	150-100	$27.12
	80	27.47
	60	29.04
	40	30.10
2" x 48" 10/Box	150-100	$39.84
	80	41.02
	60	43.18
	40	46.64
2½" x 16" 10/Box	150-100	$26.12
	80	26.61
	60	27.47
	40	28.93
3" x 18"* 10/Box	150-100	$29.26
	80	30.10
	60	31.28
	40	33.41
3" x 21"* 10/Box	150-100	$31.41
	80	32.26
	60	33.72
	40	36.05
3" x 23¾" 10/Box	150-100	$33.59
	80	34.57
	60	36.20
	40	38.87
3" x 24"* 10/Box	150-100	$33.59
	80	34.57
	60	36.20
	40	38.87
4" x 21" 10/Box	150-100	$52.27
	80	53.44
	60	55.26
	40	58.54

CS 311 YX ALUMINUM OXIDE OPEN COAT YX WEIGHT POLYESTER CS 310 X ALUMINUM OXIDE X WEIGHT CLOTH

Belt Size	Grit	Price Per Box
4" x 24"* 10/Box	150-100	$55.07
	80	56.56
	60	58.54
	40	62.17
4" x 36" 10/Box	150-100	$66.47
	80	68.49
	60	71.42
	40	77.05
6" x 48" 10/Box	150-100	$116.75
	80	120.71
	60	126.67
	40	138.07

All belts with #4 (butt splice) only.
*Call for volume discounts on CS 311 material.

Portable Belts

Most economical woodworking belt. NOTE: If you are doing edge work in 40 - 60 grit, the CS311 or CS308 would be a better value



LS 309 XH ALUMINUM OXIDE CLOTH OPEN COAT

Belt Size	Grit	Price Per Box
1" x 42" 10/Box	150-100	$16.57
	80	16.87
	60	17.51
	50	18.03
	40	18.68
2" x 48" 10/Box	150-100	$26.12
	80	26.98
	60	28.15
	50	29.44
	40	30.59
2½" x 16" 10/Box	150-100	$16.87
	80	17.18
	60	18.03
	50	18.36
	40	19.01

LS 309 XH ALUMINUM OXIDE CLOTH OPEN COAT

Belt Size	Grit	Price Per Box
3" x 18"* 10/Box	150-100	$18.86
	80	19.67
	60	20.02
	50	20.84
	40	21.35
3" x 21"* 10/Box	150-100	$19.83
	80	20.18
	60	21.00
	50	21.51
	40	22.49
3" x 23¾" 10/Box	150-100	$20.84
	80	21.35
	60	22.31
	50	23.64
	40	23.99
3" x 24"* 10/Box	150-100	$20.84
	80	21.35
	60	22.31
	50	23.64
	40	23.99
4" x 21" 10/Box	150-100	$26.98
	80	27.27
	60	28.28
	50	29.26
	40	29.94
4" x 24"* 10/Box	150-100	$26.48
	80	26.78
	60	27.93
	50	29.10
	40	29.76
4" x 36" 10/Box	150-100	$35.07
	80	36.41
	60	37.70
	50	39.36
	40	40.68
6" x 48" 10/Box	150-100	$69.29
	80	71.95
	60	75.22
	50	78.88
	40	82.18

All belts with #4 (butt splice) only.
*Call for volume discounts.

Planer Belts

Perfect for heavy stock removal. Use for planing wood or smoothing metal surfaces.



CS 411 Y ALUMINA ZIRCONIA POLYESTER BACKING

Belt Size	Grit	Price Per Box
3" x 18"* 10/Box	120	$40.36
	80	42.17
	60	43.83
	40	46.80
	36	48.47
	24	52.10
3" x 21"* 10/Box	120	$43.56
	80	45.14
	60	47.29
	40	50.45
	36	52.77
	24	57.05
3" x 23¾" 10/Box	120	$46.22
	80	48.47
	60	50.75
	40	54.43
	36	57.05
	24	61.85
3" x 24"* 10/Box	120	$46.22
	80	48.47
	60	50.75
	40	54.43
	36	57.05
	24	61.85
4" x 21" 10/Box	120	$72.48
	80	74.73
	60	77.40
	40	82.04
	36	84.67
	24	90.63
4" x 24"* 10/Box	120	$76.97
	80	79.22
	60	82.04
	40	86.99
	36	90.47
	24	96.88

All belts with #4 (butt splice) only.
*Call for volume discounts.

MGAGES

Standard Size Cloth Belts

AVAILABLE MATERIALS

CS 308	A/O YX wt Polyester
LS 309	A/O J/JF wt Cloth
CS 310	A/O X wt Cloth
CS 311	A/O Open Coat YX wt Polyester ACT
LS 312*	A/O Dry-Lube JF wt Cloth
LS 313**	A/O Dry-Lube for SS JF wt Cloth
CS 320*	S/C YX wt Polyester
CS 321*	S/C Waterproof YX/X wt Cloth
CS 333	S/C X/J/JF wt Cloth
CS 341*	A/O Waterproof X wt Cloth
CS 412*	A/O YX wt Polyester
CS 710*	Heat-Treated XF Wt. Cloth
GX 533***	S/C GX/JF wt Polyester/Cloth Waterproof

LINEN MATERIAL BELTS†

* Add 5% to price shown

** Add 10% to price shown

*** Add 20% to price shown

† Up to 35" widths only

Belt Size	Grit	Price Per Belt
1" x 18"	100+	$2.90
	80	2.83
	60	2.99
	50	3.04
	40	3.06
	36	3.12
	24	3.23
1" x 21"	100+	$3.00
	80	3.04
	60	3.09
	50	3.14
	40	3.21
	36	3.26
	24	3.41
1" x 24"	100+	$3.09
	80	3.12
	60	3.21
	50	3.29
	40	3.36
	36	3.41
	24	3.48
1" x 30"	100+	$3.31
	80	3.35
	60	3.44
	50	3.53
	40	3.60
	36	3.71
	24	3.90
1 1/8" x 21"	100+	$3.16
	80	3.21
	60	3.29
	50	3.36
	40	3.43
	36	3.53
	24	3.63
1" x 72"	100+	$4.76
	80	4.84
	60	5.11
	50	5.34
	40	5.49
	36	5.73
	24	6.18
1" x 132"	100+	$6.87
	80	7.03
	60	7.49
	50	7.83
	40	8.20
	36	8.63
	24	9.51
2" x 42"	100+	$4.64
	80	5.19
	60	5.48
	50	5.69
	40	5.90
	36	6.17
	24	6.75
2" x 48"	100+	$5.44
	80	5.67
	60	5.91
	50	6.14
	40	6.44
	36	6.72
	24	7.39
2" x 72"	100+	$7.05
	80	7.35
	60	7.75
	50	8.12
	40	8.53
	36	8.99
	24	9.96
2" x 118"	100+	$10.17
	80	10.58
	60	11.26
	50	11.87
	40	12.52
	36	13.24
	24	14.88
2" x 132"	100+	$11.08
	80	11.56
	60	12.31
	50	12.64
	40	13.73
	36	14.56
	24	17.40
3" x 21"	100+	$5.40
	80	5.53
	60	5.73
	50	5.90
	40	6.08
	36	6.34
	24	6.70
3" x 24"	100+	$5.72
	80	5.83
	60	6.09
	50	6.23
	40	6.40
	36	6.69
	24	7.19
3" x 118"	100+	$14.98
	80	15.63
	60	16.73
	50	17.61
	40	18.59
	36	19.76
	24	22.15
3" x 132"	100+	$16.32
	80	17.08
	60	18.31
	50	19.23
	40	20.39
	36	21.71
	24	24.34
3 1/2" x 15 1/2"	100+	$6.00
	80	6.13
	60	6.29
	50	6.45
	40	6.64
	36	6.81
	24	7.21
4" x 21"	100+	7.19
	80	7.36
	60	7.60
	50	7.83
	40	8.09
	36	8.31
	24	8.90
4" x 24"	100+	7.59
	80	7.79
	60	8.05
	50	8.30
	40	8.58
	36	8.91
	24	9.55
4" x 36"	100+	9.12
	80	9.47
	60	9.86
	50	10.24
	40	10.62
	36	11.12
	24	12.07
4" x 54"	100+	11.48
	80	11.92
	60	12.52
	50	13.11
	40	13.68
	36	14.41
	24	15.85

MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Standard Size Cloth Belts

Belt Size	Grit	Price Per Belt
4" x 60"	100+	$12.28
	80	12.76
	60	13.43
	50	14.09
	40	14.72
	36	15.54
	24	17.10
4" x 84"	100+	$15.41
	80	16.11
	60	17.03
	50	17.93
	40	18.81
	36	19.96
	24	22.17
4" x 118"	100+	$19.82
	80	20.81
	60	22.12
	50	23.42
	40	24.68
	36	26.22
	24	29.30
4" x 132"	100+	$21.65
	80	22.77
	60	24.17
	50	25.64
	40	27.03
	36	28.82
	24	32.30
4" x 168"	100+	$26.35
	80	27.76
	60	29.59
	50	31.43
	40	33.21
	36	35.47
	24	40.36
6" x 48"	100+	$16.03
	80	16.61
	60	17.41
	50	18.18
	40	18.96
	36	19.90
	24	21.80
6" x 89"	100+	$24.01
	80	25.03
	60	26.57
	50	27.97
	40	29.49
	36	31.18
	24	34.68
6" x 108"	100+	$27.69
	80	28.96
	60	30.81
	50	32.51
	40	34.36
	36	36.43
	24	40.70

Belt Size	Grit	Price Per Belt
6" x 132"	100+	$32.36
	80	33.94
	60	36.15
	50	38.23
	40	39.48
	36	41.98
	24	48.60
6" x 294"	100+	$63.87
	80	67.31
	60	72.31
	50	76.96
	40	81.94
	36	87.62
	24	99.18
6" x 306"	100+	$66.22
	80	69.80
	60	74.99
	50	79.82
	40	85.01
	36	90.88
	24	103.01
25" x 48"	100+	$53.77
	80	55.52
	60	58.30
	50	60.72
	40	63.43
	36	66.50
	24	72.75
25" x 60"	100+	$61.38
	80	63.59
	60	67.04
	50	70.09
	40	73.46
	36	77.33
	24	85.11
25" x 75"	100+	$70.90
	80	73.69
	60	77.98
	50	81.82
	40	86.00
	36	90.84
	24	100.58
30" x 103"	100+	$106.06
	80	110.67
	60	117.77
	50	124.08
	40	130.89
	36	139.01
	24	154.89
36" x 60"	100+	$87.92
	80	91.16
	60	96.12
	50	100.50
	40	105.36
	36	110.95
	24	122.14

Belt Size	Grit	Price Per Belt
36" x 75"	100+	101.54
	80	105.57
	60	111.76
	50	117.26
	40	123.33
	36	130.31
	24	144.30
37" x 60"	100+	92.80
	80	96.19
	60	101.46
	50	106.11
	40	111.20
	36	117.11
	24	128.91
37" x 75"	100+	$107.13
	80	111.42
	60	117.95
	50	123.77
	40	130.14
	36	137.55
	24	152.30
43" x 75"	100+	$123.88
	80	128.77
	60	136.35
	50	143.08
	40	150.36
	36	159.09
	24	176.14
50" x 103"	100+	$175.74
	80	183.47
	60	195.26
	50	205.79
	40	217.34
	36	230.67
	24	257.33
52" x 75"	100+	$151.80
	80	157.86
	60	167.13
	50	175.44
	40	184.50
	36	194.99
	24	215.96
52" x 103"	100+	$189.74
	80	198.03
	60	210.76
	50	222.19
	40	234.59
	36	249.01
	24	277.77

MGAGES

Custom Size Cloth Belts

AVAILABLE MATERIALS

CS 308	A/O YX wt Polyester
LS 309	A/O J/JF wt Cloth
CS 310	A/O X wt Cloth
CS 311	A/O Open Coat YX wt Polyester
LS 312*	A/O Dry-Lube JF wt Cloth
LS 313**	A/O Dry-Lube for SS JF wt Cloth
CS 320*	S/C Waterproof YY wt Polyester
CS 321*	S/C Waterproof YX/X wt Cloth
CS 333	S/C X/J/JF wt Cloth
CS 341*	A/O Waterproof X wt Cloth
CS 412*	A/O YX wt Polyester
GX 533***	S/C GX/JF wt Polyester /Cloth Waterproof
CS 710*	Heat-Treated XF wt Cloth
GX 712***	A/O Drylube GX/JF wt Polyester/Cloth

LINEN MATERIAL BELTS†

* Add 5% to final price
** Add 10% to final price
*** Add 20% to final price
† Up to 35" widths only

Width	Grit	
1/2"	100+	$0.0185
	80	0.0214
	60	0.0214
	50	0.0231
	40	0.0245
	36	0.0254
	24	0.0282
	Joining Charge	1.70
3/4"	100+	$0.0269
	80	0.0282
	60	0.0308
	50	0.0318
	40	0.0343
	36	0.0371
	24	0.0420
	Joining Charge	1.70
1"	100+	$0.0349
	80	0.0361
	60	0.0396
	50	0.0421
	40	0.0450
	36	0.0483
	24	0.0546
	Joining Charge	2.27
2"	100+	$0.0670
	80	0.0704
	60	0.0762
	50	0.0814
	40	0.0870
	36	0.0932
	24	0.1070
	Joining Charge	2.27
3"	100+	$0.0986
	80	0.1036
	60	0.1132
	50	0.1207
	40	0.1290
	36	0.1387
	24	0.1591
	Joining Charge	3.36
4"	100+	$0.1305
	80	0.1385
	60	0.1498
	50	0.1605
	40	0.1710
	36	0.1846
	24	0.2113
	Joining Charge	4.48
5"	100+	$0.1625
	80	0.1714
	60	0.1873
	50	0.1999
	40	0.2142
	36	0.2306
	24	0.2629
	Joining Charge	5.57
6"	100+	$0.1947
	80	0.2062
	60	0.2231
	50	0.2390
	40	0.2559
	36	0.2751
	24	0.3147
	Joining Charge	6.70
7"	100+	$0.2270
	80	0.2400
	60	0.2604
	50	0.2786
	40	0.2981
	36	0.3213
	24	0.3668
	Joining Charge	7.79
8"	100+	$0.2592
	80	0.2736
	60	0.2971
	50	0.3175
	40	0.3402
	36	0.3667
	24	0.4189
	Joining Charge	8.91
9"	100+	$0.2905
	80	0.3074
	60	0.3338
	50	0.3570
	40	0.3823
	36	0.4116
	24	0.4711
	Joining Charge	10.03
12"	100+	0.3867
	80	0.4094
	60	0.4435
	50	0.4749
	40	0.5087
	36	0.5487
	24	0.6271
	Joining Charge	13.39
14"	100+	$0.4500
	80	0.4767
	60	0.5180
	50	0.5534
	40	0.5934
	36	0.6391
	24	0.7314
	Joining Charge	15.57
19"	100+	$0.6106
	80	0.6463
	60	0.7012
	50	0.7509
	40	0.8046
	36	0.8669
	24	0.9909
	Joining Charge	21.14
25"	100+	$0.6349
	80	0.6718
	60	0.7291
	50	0.7800
	40	0.8363
	36	0.9002
	24	1.0301
	Joining Charge	23.30
30"	100+	$0.7586
	80	0.8032
	60	0.8720
	50	0.9334
	40	1.0005
	36	1.0780
	24	1.2334
	Joining Charge	27.93
36"	100+	$0.9074
	80	0.9609
	60	1.0434
	50	1.1170
	40	1.1979
	36	1.2911
	24	1.4775
	Joining Charge	33.52
38"	100+	$0.9567
	80	1.0134
	60	1.1009
	50	1.1786
	40	1.2632
	36	1.3620
	24	1.5584
	Joining Charge	35.39
42"	100+	$1.0562
	80	1.1188
	60	1.2151
	50	1.3013
	40	1.3947
	36	1.5035
	24	1.7212
	Joining Charge	39.09
50"	100+	$1.2542
	80	1.3292
	60	1.4440
	50	1.5462
	40	1.6580
	36	1.7873
	24	2.0462
	Joining Charge	46.58
51"	100+	$1.3044
	80	1.3818
	60	1.5007
	50	1.6070
	40	1.7242
	36	1.8583
	24	2.1276
	Joining Charge	48.38
52"	100+	$1.3539
	80	1.4344
	60	1.5581
	50	1.6688
	40	1.7895
	36	1.9293
	24	2.2087
	Joining Charge	50.28
53"	100+	$1.3539
	80	1.4344
	60	1.5581
	50	1.6688
	40	1.7895
	36	1.9293
	24	2.2087
	Joining Charge	50.28
54"	100+	$1.3539
	80	1.4344
	60	1.5581
	50	1.6688
	40	1.7895
	36	1.9293
	24	2.2087
	Joining Charge	50.28
60"	100+	$1.5025
	80	1.5923
	60	1.7301
	50	1.8523
	40	1.9865
	36	2.1420
	24	2.4523
	Joining Charge	55.84

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) $.1385 x 132" =	$18.282
(3)	+$4.48
	$22.76
(5)	$22.76

Call if you need assistance with a custom belt.

MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Custom Size Premium Grain Belts

AVAILABLE MATERIALS

CS 326[1]	A/O Agglomerate YX wt Polyester
CS 409**	A/Z Dry-Lube YY/YX wt Polyester
CS 411	AZ X wt Cloth
CS 411*	A/Z YX/YY wt Polyester
CS 416*	A/Z YY/YX wt Polyester
CS 811**	AZ YY/YX wt Polyester w/

[1] Final price x 2
* Add 10% to final price
** Add 20% to final price

Width	Grit	
1/2"	100+	$0.0254
	80	0.0280
	60	0.0310
	50	0.0333
	40	0.0353
	36	0.0395
	24	0.0423
	Joining Charge	1.70
5/8"	100+	$0.0312
	80	0.0340
	60	0.0376
	50	0.0392
	40	0.0423
	36	0.0481
	24	0.0544
	Joining Charge	1.70
3/4"	100+	$0.0373
	80	0.0396
	60	0.0448
	50	0.0470
	40	0.0499
	36	0.0570
	24	0.0644
	Joining Charge	1.70
1"	100+	$0.0481
	80	0.0508
	60	0.0581
	50	0.0613
	40	0.0653
	36	0.0744
	24	0.0844
	Joining Charge	2.27
2"	100+	$0.0925
	80	0.0991
	60	0.1114
	50	0.1186
	40	0.1265
	36	0.1434
	24	0.1642
	Joining Charge	2.27
3"	100+	$0.1357
	80	0.1450
	60	0.1651
	50	0.1758
	40	0.1884
	36	0.2135
	24	0.2442
	Joining Charge	3.36
4"	100+	$0.1800
	80	0.1938
	60	0.2183
	50	0.2341
	40	0.2494
	36	0.2838
	24	0.3246
	Joining Charge	4.48
5"	100+	$0.2244
	80	0.2401
	60	0.2723
	50	0.2913
	40	0.3120
	36	0.3537
	24	0.4044
	Joining Charge	5.57
6"	100+	$0.2686
	80	0.2882
	60	0.3252
	50	0.3481
	40	0.3732
	36	0.4230
	24	0.4833
	Joining Charge	6.70
7"	100+	$0.3133
	80	0.3346
	60	0.3792
	50	0.4054
	40	0.4349
	36	0.4936
	24	0.5633
	Joining Charge	7.79
8"	100+	$0.3575
	80	0.3823
	60	0.4327
	50	0.4626
	40	0.4962
	36	0.5633
	24	0.6433
	Joining Charge	8.91
9"	100+	$0.4011
	80	0.4292
	60	0.4865
	50	0.5201
	40	0.5574
	36	0.6324
	24	0.7235
	Joining Charge	10.03
12"	100+	0.5337
	80	0.5716
	60	0.6464
	50	0.6921
	40	0.7416
	36	0.8429
	24	0.9637
	Joining Charge	13.39
14"	100+	0.6215
	80	0.6657
	60	0.7551
	50	0.8066
	40	0.8650
	36	0.9824
	24	1.1237
	Joining Charge	15.57
19"	100+	$0.8430
	80	0.9027
	60	1.0219
	50	1.0935
	40	1.1726
	36	1.3318
	24	1.5227
	Joining Charge	21.14
25"	100+	$0.8762
	80	0.9380
	60	1.0622
	50	1.1367
	40	1.2185
	36	1.3836
	24	1.5830
	Joining Charge	23.30
30"	100+	$1.0467
	80	1.1219
	60	1.2706
	50	1.3603
	40	1.4580
	36	1.6566
	24	1.8952
	Joining Charge	27.93
36"	100+	$1.2527
	80	1.3424
	60	1.5202
	50	1.6279
	40	1.7458
	36	1.9833
	24	2.2699
	Joining Charge	33.52
38"	100+	$1.3207
	80	1.4155
	60	1.6042
	50	1.7173
	40	1.8411
	36	2.0929
	24	2.3947
	Joining Charge	35.39
42"	100+	$1.4581
	80	1.5631
	60	1.7707
	50	1.8962
	40	2.0330
	36	2.3100
	24	2.6445
	Joining Charge	39.09
50"	100+	$1.7317
	80	1.8565
	60	2.1039
	50	2.2531
	40	2.4160
	36	2.7466
	24	3.1442
	Joining Charge	46.58
51"	100+	$1.8006
	80	1.9299
	60	2.1872
	50	2.3422
	40	2.5120
	36	2.8545
	24	3.2690
	Joining Charge	48.38
52"	100+	$1.8692
	80	2.0034
	60	2.2705
	50	2.4320
	40	2.6078
	36	2.9642
	24	3.3937
	Joining Charge	50.28
53"	100+	$1.8692
	80	2.0034
	60	2.2705
	50	2.4320
	40	2.6078
	36	2.9642
	24	3.3937
	Joining Charge	50.28
54"	100+	$1.8692
	80	2.0034
	60	2.2705
	50	2.4320
	40	2.6078
	36	2.9642
	24	3.3937
	Joining Charge	50.28
60"	100+	$2.0745
	80	2.2239
	60	2.5206
	50	2.6993
	40	2.8956
	36	3.2912
	24	3.7680
	Joining Charge	55.84

MGAGES

Custom Size Paper Belts

Design your own paper belt for your application.

AVAILABLE MATERIALS

PS 20	A/O F wt Paper
PS 21***	A/Z F wt Paper
PS 22	A/O F wt Paper w/ ACT
PS 26*	A/O Open Coat, Anti-Static F wt Paper
PS 27 W	S/C D wt Open Coat Stearate for UV Finishes
PS 28	A/O Open Coat F wt ACT Paper for 52"-54" wide belts
PS 29	A/O Open Coat F wt Paper w/
PS 24**	S/C F wt Paper w/ ACT
PS 61****	CR F Wt Paper

* Add 5% to final price
** Add 10% to final price
*** Add 20% to final price
**** Add 40% to final price

Width	Grit	
4"	100+	$0.0675
	80	0.0740
	Joining Charge	4.69
6"	100+	$0.0994
	80	0.1087
	Joining Charge	6.99
8"	100+	$0.1314
	80	0.1439
	Joining Charge	9.29
12"	100+	0.1954
	80	0.2136
	Joining Charge	13.87
19"	100+	$0.3063
	80	0.3372
	Joining Charge	21.98
25"	100+	$0.3267
	80	0.3599
	Joining Charge	24.26
30"	100+	$0.3612
	80	0.4000
	Joining Charge	24.26
36"	100+	$0.4333
	80	0.4802
	Joining Charge	34.87
38"	100+	$0.4741
	80	0.5238
	Joining Charge	36.80
42"	100+	$0.5057
	80	0.5598
	Joining Charge	40.68
50"	100+	$0.6191
	80	0.6839
	Joining Charge	48.41
51"	100+	$0.6433
	80	0.7109
	Joining Charge	50.37
52"	100+	$0.6678
	80	0.7369
	Joining Charge	52.33
54"	100+	$0.6678
	80	0.7369
	Joining Charge	52.82
60"	100+	$0.7396
	80	0.8173
	Joining Charge	58.07
61"	100+	$0.7516
	80	0.8303
	Joining Charge	59.04
62"	100+	$0.7636
	80	0.8440
	Joining Charge	60.00
63"	100+	$0.7756
	80	0.8573
	Joining Charge	61.45
64"	100+	$0.7874
	80	0.8707
	Joining Charge	61.97

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) $.1087 x 274 =	29.783
(3)	+ $6.99
	$36.773
(5)	$36.77

Call if you need assistance with a custom belt.

Standard Size Paper Belts

Choose from popular sizes for stroke sanding, wide belt sanding, etc.

AVAILABLE MATERIALS

PS 20	A/O F wt Paper
PS 21***	A/Z F wt Paper
PS 22	A/O F wt Paper w/ ACT
PS 26*	A/O Open Coat, Anti-Static F wt Paper
PS 27 W	S/C D wt Open Coat Stearate for UV Finishes
PS 28	A/O Open Coat F wt Paper for 52"-54" wide belts
PS 29	A/O Open Coat F wt Paper w/ ACT
PS 24**	S/C F wt Paper w/ ACT
PS 61****	CR F Wt Paper

* Add 5% to price shown
** Add 10% to price shown
*** Add 20% to price shown
*** Add 40% to price shown

Belt Size	Grit	Price Per Belt
4" x 376"	100+	$30.11
	80	32.65
6" x 274"	100+	$34.19
	80	36.71
6" x 288"	100+	$35.60
	80	38.20
6" x 298"	100+	$36.57
	80	39.25
6" x 328"	100+	$39.55
	80	42.54
6" x 330"	100+	$39.78
	80	42.74
6" x 335"	100+	$40.23
	80	43.29
6" x 376"	100+	$44.31
	80	47.74
6" x 396"	100+	$46.31
	80	49.90
19" x 48"	100+	$36.67
	80	38.16
24" x 55"	100+	$41.11
	80	42.84
24" x 60"	100+	$42.69
	80	44.63
24" x 84"	100+	$50.41
	80	53.20
25" x 48"	100+	$39.94
	80	41.55
25" x 60"	100+	$43.85
	80	45.86
25" x 75"	100+	$48.76
	80	53.20
30" x 103"	100+	$66.27
	80	70.26
36" x 60"	100+	$60.90
	80	63.70
36" x 75"	100+	$67.38
	80	70.89
37" x 60"	100+	$65.31
	80	68.23
37" x 75"	100+	$72.39
	80	76.08
43" x 75"	100+	$83.66
	80	87.91
50" x 103"	100+	$112.18
	80	118.86
52" x 75"	100+	$102.35
	80	107.59
52" x 103"	100+	$121.07
	80	128.18
62" x 103"	100+	$138.70
	80	146.90
64" x 103"	100+	$143.06
	80	151.61



MGAGES

Custom Size Ceramic Belts

AVAILABLE MATERIALS

CS 631 XF	A/O Ceramic, Multibond, XF-wt Cloth (60, 80, 100, 120 Grit)
CS 931 JF	A/O Ceramic, Multibond, JF-wt Cloth (80, 120, 180, 240, 320 Grit)
CS 910*	A/O Ceramic, Multibond, YY wt Polyester (24, 36, 40, 50, 60 Grit)
CS 912	A/O Ceramic YY wt Polyester (36, 40 and 50-180 Grit)
GX 931 JF	A/O Ceramic JF wt Polyester/Cloth (80-150 Grit)

*= Add 20% to final price

Width	Grit	
1/2"	180-100	$0.0469
	80	0.0494
	60	0.0541
	50	0.0579
	36	0.0689
	24	0.0757
	Joining Charge	2.93
5/8"	180-100	$0.0570
	80	0.0600
	60	0.0653
	50	0.0687
	36	0.0841
	24	0.0924
	Joining Charge	2.93
3/4"	180-100	$0.0662
	80	0.0697
	60	0.0783
	50	0.0820
	36	0.0991
	24	0.1089
	Joining Charge	2.93
1"	180-100	$0.0840
	80	0.0883
	60	0.1017
	50	0.1073
	36	0.1306
	24	0.1435
	Joining Charge	3.97
1 1/4"	180-100	$0.1048
	80	0.1102
	60	0.1234
	50	0.1321
	36	0.1605
	24	0.1766
	Joining Charge	3.97
1 1/2"	180-100	$0.1241
	80	0.1307
	60	0.1471
	50	0.1578
	36	0.1912
	24	0.2102
	Joining Charge	3.97
1 3/4"	180-100	$0.1430
	80	0.1504
	60	0.1699
	50	0.1824
	36	0.2217
	24	0.2439
	Joining Charge	3.97
2"	180-100	$0.1638
	80	0.1726
	60	0.1940
	50	0.2068
	36	0.2506
	24	0.2757
	Joining Charge	3.97
2 1/4"	180-100	$0.1826
	80	0.1923
	60	0.2178
	50	0.2319
	36	0.2809
	24	0.3091
	Joining Charge	4.94
2 1/2"	180-100	$0.2025
	80	0.2132
	60	0.2412
	50	0.2578
	36	0.3115
	24	0.3427
	Joining Charge	4.94
3"	180-100	$0.2329
	80	0.2528
	60	0.2886
	50	0.3066
	40	0.3399
	36	0.3729
	24	0.4104
	Joining Charge	5.88
3 1/2"	180-100	$0.2810
	80	0.2958
	60	0.3335
	50	0.3578
	36	0.4345
	24	0.4779
	Joining Charge	6.82
4"	180-100	$0.3216
	80	0.3384
	60	0.3803
	50	0.4081
	36	0.4954
	24	0.5450
	Joining Charge	7.83
4 1/2"	180-100	$0.3610
	80	0.3799
	60	0.4285
	50	0.4576
	36	0.5569
	24	0.6125
	Joining Charge	8.81
5"	180-100	$0.3982
	80	0.4192
	60	0.4758
	50	0.5082
	36	0.6175
	24	0.6793
	Joining Charge	9.72
6"	180-100	$0.4777
	80	0.5029
	60	0.5676
	50	0.6077
	36	0.7377
	24	0.8117
	Joining Charge	11.67
7"	180-100	$0.5549
	80	0.5843
	60	0.6624
	50	0.7078
	36	0.8615
	24	0.9477
	Joining Charge	7.79
8"	180-100	$0.6339
	80	0.6672
	60	0.7551
	50	0.8081
	36	0.9835
	24	1.0820
	Joining Charge	15.55
9"	180-100	$0.7121
	80	0.7496
	60	0.8489
	50	0.4161
	36	1.1042
	24	1.2146
	Joining Charge	17.59
10"	180-100	0.7917
	80	0.8335
	60	9,420
	50	1.0084
	36	1.2265
	24	1.3490
	Joining Charge	19.47
10"	180-100	0.8690
	80	0.9147
	60	10,364
	50	1.1089
	36	1.3494
	24	1.4844
	Joining Charge	21.32
12"	180-100	0.9479
	80	0.9978
	60	1.1286
	50	1.2086
	36	1.4714
	24	1.6185
	Joining Charge	23.34

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 912 60 Grit 3" x 24" #4

(1,2) $0.2886 x 24" =	$6.9264
(3)	+$5.88
	$12.8064
(5)	$12.80

Call if you need assistance with a custom belt.

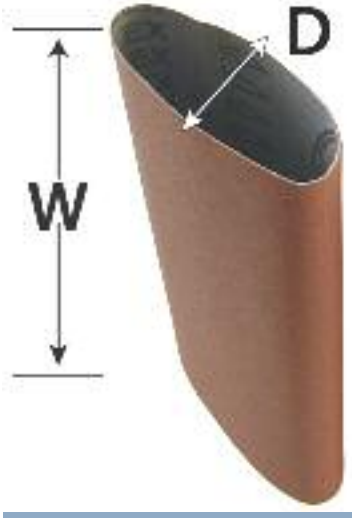


MGAGES

Pump Sleeves All pump sleeves receive a #1 lap joint.

ALUMINUM OXIDE FLEXIBLE-BACKED MATERIAL

Standard Size dia. x width*	Standard Belt Size width x length	Grit	Price Per Sleeve
2" x 9"	9" x $7^{15}/_{32}$"	100+	$2.81
		80	3.00
3" x 9"	9" x $10^{5}/_{8}$"	100+	$4.00
		80	4.22
4" x 9"	9" x $13^{3}/_{4}$"	100+	$5.21
		80	5.46
6" x 9"	9" x 20"	100+	$6.99
		80	7.39
8" x 9"	9" x $26^{5}/_{16}$"	100+	$9.95
		80	10.48
10" x 9"	9" x $32^{7}/_{8}$"	100+	$12.43
		80	13.08
2" x 8"	8" x $7^{15}/_{32}$"	100+	$2.60
		80	2.75
3" x 8"	8" x $10^{5}/_{8}$"	100+	$3.55
		80	3.79
4" x 8"	8" x $13^{3}/_{4}$"	100+	$4.55
		80	4.78
6" x 8"	8" x 20"	100+	$6.04
		80	6.37
8" x 8"	8" x $26^{5}/_{16}$"	100+	$8.15
		80	8.58
10" x 8"	8" x $32^{7}/_{8}$"	100+	$9.95
		80	10.49
2" x 7"	7" x $7^{15}/_{32}$"	100+	$2.60
		80	2.75
3" x 7"	7" x $10^{5}/_{8}$"	100+	$3.55
		80	3.79
4" x 7"	7" x $13^{3}/_{4}$"	100+	$4.55
		80	4.78
6" x 7"	7" x 20"	100+	$6.04
		80	6.37
8" x 7"	7" x $26^{5}/_{16}$"	100+	$8.15
		80	8.58
10" x 7"	7" x $32^{7}/_{8}$"	100+	$9.95
		80	10.49



* DON'T KNOW YOUR PUMP SLEEVE SIZE? CUT SLEEVE APART AND MEASURE IT WIDTH X LENGTH. THIS IS THE FLAT BELT SIZE AND IS WHAT'S NEEDED TO MAKE THE SLEEVE CORRECTLY!

d = diameter
w = width

PUMP DRUMS

Size	Item Number	NET PRICE
2" x 7" x 1"	PUMPDRUM2X7X25	....$140.94
2" x 9" x 3/4"	PUMPDRUM2X9X20	.....135.95
2" x 9" x 1"	PUMPDRUM2X9X25	.....135.95
3" x 9" x $1^{1}/_{4}$"	PUMPDRUM3X9X32	.....168.64
4" x 7" x $1^{1}/_{4}$"	PUMPDRUM4X7X32	.....168.64
4" x 9" x $1^{1}/_{4}$"	PUMPDRUM4X9X32	.....168.64
6" x 7" x $1^{1}/_{4}$"	PUMPDRUM6X7X32	.....203.88
6" x 9" x $1^{1}/_{4}$"	PUMPDRUM6X9X32	.....220.26
8" x 9" x $1^{1}/_{4}$"	PUMPDRUM8X9X32	.....309.75

NET PRICE PER EACH
Pump Drum Repair Kit - Kit includes screws, 1 tube of rubber adhesive, 1 roll of tape and 6 valves
#PUMPDRUMREPAIRKIT $58.89
Pump Drum Valve Stem
#PUMPDRUMVALVESTEM $6.58

PUMP DRUM BLADDERS

Size (dia x w)	Item Number	NET PRICE
2" X 9"	PUMPDRUMBLAD2X9	.....$24.95
3" X 9"	PUMPDRUMBLAD3X9	.....30.11
4" X 9"	PUMPDRUMBLAD4X9	.....30.11
6" X 7"	PUMPDRUMBLAD6X7	.....43.01
6" X 9"	PUMPDRUMBLAD6X9	.....49.90
8" X 9"	PUMPDRUMBLAD8X9	.....60.23

ARBOR ADAPTERS

Size	Item Number	NET PRICE PER PAIR
$1^{1}/_{4}$" - 1"	PUMPDRUMADAPT01	.....$24.72
$1^{1}/_{4}$" - 3/4"	PUMPDRUMADAPT02	.....24.72
1" - 3/4"	PUMPDRUMADAPT03	.....24.72
$1^{1}/_{4}$" - 5/8"	PUMPDRUMADAPT04	.....24.72



TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Board File Sheets

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

PLAIN SHEETS - 2¾" X 17½"

Material	Grit	Box Qty	Price Per Box
PS 73W	150+	100	$52.07
	120		■
	100		■
	80		■
	60		■
	40		■
	36		■
PS 33	150+	100	$45.40
	120	100	45.40
	100	100	45.40
	80	50	25.42
	60	50	31.08
	40	50	34.44
	36		■
PS 29	150+		■
	120		■
	100		■
	80	50	$40.70
	60	50	46.23
	40	50	55.43
	36		■
PS 20	150+		■
	120		■
	100		■
	80		■
	60		■
	40		■
	36	25	$30.67
PS 21	150+	50	$45.40
	120	50	45.40
	100	50	45.40
	80	50	48.44
	60		■
	40	50	65.53
	36	25	34.87
PS 36	150+	50	$31.56
	120	50	31.56
	100	50	31.56
	80	50	34.91
	60	50	43.26
	40	50	47.95
	36	25	25.50

PSA SHEETS - 2¾" X 16½"

Material	Grit	Box Qty	Price Per Box
PS 73W	150+	50	$40.35
	120		■
	100		■
	80		■
	60		■
	40		■
	36		■
PS 33	150+	50	$35.27
	120	50	35.27
	100	50	35.27
	80	50	38.65
	60	50	43.70
	40	50	47.91
	36		■
PS 29	150+		■
	120		■
	100		■
	80	50	$52.93
	60	50	57.98
	40	50	62.17
	36		■
PS 20	150+		■
	120		■
	100		■
	80		■
	60		■
	40		■
	36	25	$32.77
PS 21	150+		■
	120	50	$60.49
	100	50	60.49
	80	50	63.03
	60	50	69.75
	40	50	75.60
	36	25	37.82
PS 36	150+	50	$49.08
	120	50	49.08
	100	50	49.08
	80	50	53.79
	60	50	60.81
	40	50	66.66
	36	25	33.33

KLING-ON® SHEETS - 2¾" X 16½"

Material	Grit	Box Qty	Price Per Box
PS 73W	150+	50	$57.14
	120		■
	100		■
	80		■
	60		■
	40		■
	36		■
PS 33	150+	50	$49.58
	120	50	49.58
	100	50	49.58
	80	50	53.79
	60	50	54.59
	40	50	56.30
	36		■
PS 29	150+		■
	120		■
	100		■
	80	25	$36.14
	60	25	40.35
	40	25	40.74
	36		■
PS 20	150+		■
	120		■
	100		■
	80		■
	60		■
	40		■
	36	25	$44.84



MGAGES

Standard Size Sheets



PS 73W ALUMINUM OXIDE STEARATE • B WEIGHT PAPER

Size	Grit	Price Per Pack
9" x 11"	100+	$59.65
50/Pack	80	65.62
4½" x 11"	100+	$67.62
100/Pack	80	75.56
3⅔" x 9"	100+	$45.75
100/Pack	80	51.68
4½" x 5½"	100+	$33.79
100/Pack	80	35.81



PS 33 ALUMINUM OXIDE STEARATE • B/C WEIGHT PAPER

Size	Grit	Price Per Pack
9" x 11"	600B-150B	$51.89
50/Pack	120C-100C	51.89
	80	57.05
	60	64.83
	40	81.25
4½" x 11"	600B-150B	$58.79
100/Pack	120C-100C	58.79
	80	65.70
	60	74.35
	40	93.37
3⅔" x 9"	600B-150B	$39.80
100/Pack	120C-100C	39.80
	80	44.95
	60	50.13
	40	62.24
4½" x 5½"	600B-150B	$29.42
100/Pack	120C-100C	29.42
	80	31.14
	60	38.04
	40	46.70



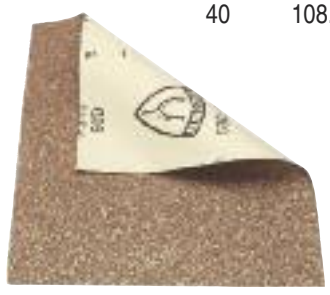
VP 73W ALUMINUM OXIDE STEARATE LATEX PAPER

Size	Grit	Price Per Pack
9" x 11"	100+	$59.65
50/Pack	80	65.62
4½" x 11"	100+	$67.62
100/Pack	80	75.56
3⅔" x 9"	100+	$45.75
100/Pack	80	51.68
4½" x 5½"	100+	$33.79
100/Pack	80	35.81



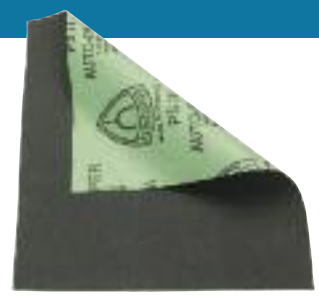
KL 371 EMERY CLOTH • HEAVY COTTON CLOTH

Size	Grit	Price Per Pack
9" x 11"	400-80	$82.99
50/Pack	60-50	94.24
	40	108.96



PS 10 GARNET • A/C/D WEIGHT PAPER

Size	Grit	Price Per Pack
9" x 11"	220A	$27.65
50/Pack	180A	27.65
	150A	27.65
	120A	27.65
	100A	27.65
	80A	32.85



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

Size	Grit	Price Per Pack
9" x 11"	2000A-220A	$51.89
50/Pack	180C	56.22
	150C	59.65
	120C	63.12
	100C	72.61
	80C	82.99
	60C	97.71
4½" x 11"	2000A-220A	$58.79
100/Pack	180C	64.00
	150C	67.44
	120C	72.61
	100C	82.99
	80C	95.13
	60C	112.40
3⅔" x 9"	2000A-220A	$39.80
100/Pack	180C	43.25
	150C	46.70
	120C	48.39
	100C	55.33
	80C	64.00
	60C	74.35
4½" x 5½"	2000A-220A	$27.65
100/Pack	180C	31.14
	150C	32.85
	120C	36.31
	100C	43.25
	80C	48.39
	60C	57.05

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Standard Size Sheets



KL 361 "PREMIUM" ALUMINUM OXIDE CLOTH FLEXIBLE COTTON CLOTH

Size	Grit	Price Per Pack
9" x 11"	100+	$104.61
50/Pack	80	111.53
	60	134.86
	40	156.47
4 1/2" x 11"	100+	$121.05
100/Pack	80	129.68
	60	155.66
	40	179.83
3 2/3" x 9"	100+	$79.51
100/Pack	80	84.73
	60	103.75
	40	119.31
4 1/2" x 5 1/2"	100+	$60.52
100/Pack	80	64.00
	60	77.81
	40	88.22



KL 385 ALUMINUM OXIDE CLOTH • HEAVY COTTON CLOTH

Size	Grit	Price Per Pack
9" x 11"	100+	$90.11
50/Pack	80	95.99
	60	123.73
	40	132.71
4 1/2" x 11"	100+	$104.27
100/Pack	80	111.72
	60	142.96
	40	154.91
3 2/3" x 9"	100+	$68.54
100/Pack	80	72.94
	60	95.75
	40	101.20
4 1/2" x 5 1/2"	100+	$52.12
100/Pack	80	55.05
	60	70.70
	40	74.80



PS 36 ALUMINA ZIRCONIA STEARATE • C/D WEIGHT PAPER

Size	Grit	Price Per Pack
9" x 11"	100C+	$62.62
50/Pack	80C	68.88
	60C	78.27
	40D	98.08
	36D	116.64
4 1/2" x 11"	100C+	$70.97
100/Pack	80C	79.33
	60C	89.76
	40D	112.73
	36D	134.05
3 2/3" x 9"	100C+	$48.03
100/Pack	80C	54.25
	60C	60.52
	40D	75.14
	36D	89.36
4 1/2" x 5 1/2"	100C+	$35.48
100/Pack	80C	37.57
	60C	45.91
	40D	56.34
	36D	66.98



PL 35 LIGHTWEIGHT SILICON CARBIDE STEARATE • B WEIGHT PAPER
PL 36 LIGHTWEIGHT ALUMINUM OXIDE STEARATE • B WEIGHT PAPER

Size	Grit	Price Per Pack
9" x 11"	100+	$35.50
50/Pack	80	39.84
4 1/2" x 11"	100+	$41.58
100/Pack	80	46.79
3 2/3" x 9"	100+	$26.00
100/Pack	80	29.45
4 1/2" x 5 1/2"	100+	$20.79
100/Pack	80	22.54



PS 31 OPEN COAT ALUMINUM OXIDE A/C/D WEIGHT PAPER

Size	Grit	Price Per Pack
9" x 11"	220A-180A	
50/Pack	150C-100C	$31.35
	80D	35.48
	60D	40.43
	50D	46.21
	40D	53.61
	36D	63.13
4 1/2" x 11"	220A-180A	
100/Pack	150C-100C	$36.30
	80D	41.27
	60D	47.83
	50D	52.78
	40D	61.05
	36D	70.63
3 2/3" x 9"	220A-180A	
100/Pack	150C-100C	$23.11
	80D	26.37
	60D	28.03
	50D	35.41
	40D	41.27
	36D	47.74
4 1/2" x 5 1/2"	220A-180A	
100/Pack	150C-100C	$18.16
	80D	19.81
	60D	23.11
	50D	26.37
	40D	29.71
	36D	34.35

PSA Sheets on a Roll



PSA SHEETS FOR POWER SHEET SANDERS - PS33

Size	Grit	Price Per Roll
4 1/2" x 4 1/2"	100+	$28.58
100/Roll	80	33.62
3 2/3" x 7"	100+	$36.98
100/Roll	80	42.01
2 3/4" x 8"	100+	$31.93
	80	36.98
3" x 4 3/8"	100+	$23.74
100/Roll	80	25.33

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Cloth Rolls 100 METERS - 109 YARDS

Width	Grit	Price Per Roll
1"	100+	$124.55
	80	129.75
	60	142.33
	50	150.18
	40	160.12
	36	172.65
	24	195.71
2"	100+	$239.15
	80	251.67
	60	272.08
	50	289.88
	40	310.30
	36	333.32
	24	381.45
3"	100+	$351.09
	80	371.52
	60	404.49
	50	417.98
	40	460.45
	36	496.05
	24	567.23
4"	100+	$465.18
	80	493.42
	60	533.72
	50	572.44
	40	610.15
	36	658.79
	24	752.95
5"	100+	$579.80
	80	612.73
	60	666.09
	50	684.53
	40	712.15
	36	762.89
	24	938.18
6"	100+	$694.37
	80	735.17
	60	795.88
	50	851.86
	40	913.09
	36	981.62
	24	1,121.35

25 meter (27 yards) rolls available at 75% off prices shown

50 meter (54 1/2 yards) rolls available at 50% off prices shown

AVAILABLE MATERIALS

CS 308	A/O YX wt Polyester
LS 309	A/O J/JF wt Cloth
CS 310	A/O X wt Cloth
CS 311	A/O Open Coat YX wt Polyester ACT
LS 312*	A/O Dry-Lube JF wt Cloth
LS 313**	A/O Dry-Lube for SS JF wt Cloth
CS 320*	S/C Waterproof YY wt Polyester
CS 321*	S/C Waterproof YX/X wt Cloth
CS 333	S/C X/J/JF wt Cloth
CS 341*	A/O Waterproof X wt Cloth
CS 412*	A/O YX wt Polyester
CS 411	A/Z X/YX/YY wt Polyester
CS 411 X	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
CS 411 Y	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
CS 710*	Heat-Treated XF Wt. Cloth ACT

* Add 5% to final price ** Add 10% to final price



Paper Rolls
100 METERS - 109 YARDS

AVAILABLE MATERIALS

PS 20	A/O F wt Paper
PS 21*	A/Z F wt Paper
	*Add 20% to price shown
PS 22	A/O F wt Paper w/ ACT
PS 29	A/O Open Coat F wt Paper w/ ACT
PS 24*	S/C F wt Paper w/ ACT
	*Add 10% to price shown

Width	Grit	Price Per Roll
2"	100+	$118.59
	80	130.23
	60	147.11
	50	166.86
	40	186.65
3"	100+	$172.67
	80	188.60
	60	214.56
	50	243.03
	40	273.85
4"	100+	$226.17
	80	248.85
	60	282.57
	50	319.22
	40	361.65
41/2"	100+	$252.93
	80	277.05
	60	316.59
	50	358.76
	40	404.09
5"	100+	$279.67
	80	305.24
	60	350.58
	50	398.27
	40	446.56
6"	100+	$333.77
	80	364.53
	60	418.04
	50	475.00
	40	534.34

25 meter (27 yards) rolls available at 75% off prices shown

50 meter (54 1/2 yards) rolls available at 50% off prices shown

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Kling-On® Rolls



PS 33

Size	Grit	Price Per Roll
2 3/4" x 10MT	40	$23.50
	80	21.74
	100+	18.66
3 2/3" x 10MT	40	$31.34
	80	29.22
	100+	28.98

PS 73W

Size	Grit	Price Per Roll
3 2/3" x 10MT	100+	$25.58
4 1/2" x 10MT	100+	32.17

VP 73W

Size	Grit	Price Per Roll
3 2/3" x 10MT	100+	$25.58
4 1/2" x 10MT	100+	32.17

PS 29 For Drum Sanding

Size	Grit	Price Per Roll
6" x 10MT	40	$88.46
	60	68.86
	80	59.66
	100+	54.08

PS 36

Size	Grit	Price Per Roll
2 3/4" x 10MT	40	$29.71
	80	27.49
3 2/3" x 10MT	100+	31.47
4 1/2" x 10MT	80	41.25
	100+	35.38

10MT = APPROX 33 FEET



PSA Rolls

PS 33

Size	Grit	Price Per Roll
2 3/4" x 10MT	40	$17.55
	80	12.19
	100+	11.96
4 1/2" x 10MT	40	$28.87
	80	23.11
	100+	21.40

PS 73W

Size	Grit	Price Per Roll
2 3/4" x 10MT	100+	$13.76
4 1/2" x 10MT	100+	22.57

PS 29

Size	Grit	Price Per Roll
2 3/4" x 10MT	40	$40.22
	60	30.73
	80	27.70
	100+	24.74
4 1/2" x 10MT	40	$59.35
	60	45.55
	80	39.64
	100+	36.33

PS 36

Size	Grit	Price Per Roll
2 3/4" x 10MT	40	$22.19
	60	17.88
	80	15.41
	100+	15.15
4 1/2" x 10MT	40	$36.52
	80	27.09
	100+	24.83

10MT = APPROX 33 FEET

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Premium Shop Rolls - 50 YARDS

Not for use on drum sanders.

KL 361 ALUMINUM OXIDE FLEXIBLE COTTON CLOTH

Width	Grit	Price Per Roll
1"	100+	$44.18
	80	46.29
	60	54.08
	40	62.19
1½"	100+	$62.39
	80	64.23
	60	76.96
	40	86.60
2"	100+	$79.01
	80	82.96
	60	99.30
	40	115.43
2½"	100+	$96.97
	80	102.07
	60	110.25
	40	127.60
3"	100+	$116.37
	80	122.49
	60	132.29
	40	153.08
3½"	100+	$135.76
	80	142.88
	60	154.31
	40	190.14
4"	100+	$155.13
	80	163.31
	60	176.41
	40	204.11
4½"	100+	$174.78
	80	184.02
	60	198.62
	40	229.89
6"	100+	$233.04
	80	245.28
	60	264.91
	40	306.62

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



Economy Rolls - 50 YARDS

Not for use on drum sanders.

KL 385 ALUMINUM OXIDE JF WEIGHT CLOTH

Width	Grit	Price Per Roll
1"	100+	$37.54
	80	39.36
	60	49.49
	40	52.84
1½"	100+	$53.09
	80	54.58
	60	69.38
	40	73.59
2"	100+	$67.17
	80	70.51
	60	94.36
	40	98.13
3"	100+	$98.92
	80	104.12
	60	120.78
	40	130.12
4"	100+	$131.87
	80	138.83
	60	161.00
	40	173.53
6"	100+	$198.08
	80	208.48
	60	241.84
	40	260.64

Widths up to 12" available. Call for pricing.



MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Quick Change Flap Discs

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

6˚ANGLE

Diameter	Grit	Price Per Each
4 1/2"	120	$5.97
10/Box	80	5.97
	60	5.97
	40	5.97



CMT 730 - MULTIBOND ALUMINA ZIRCONIA

6˚ANGLE

Diameter	Grit	Price Per Each
4 1/2"	120	$6.93
10/Box	80	6.93
	60	6.93
	40	6.93



CMT 728 - ALUMINA ZIRCONIA

FLAT

Diameter	Grit	Price Per Each
4 1/2"	120	$5.97
10/Box	80	5.97
	60	5.97
	40	5.97



CMT 800 - NON WOVEN

6˚ANGLE

Diameter	Grit	Price Per Each
4 1/2"	Coarse	$11.25
5/Box	Medium	11.25
	Very Fine	11.25

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.....$6.23



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.

MGAGES

SMT Flap Discs



SMT 850 FLAP DISC

12˚ANGLE

The SMT 850 is the perfect combination of non-woven web and coated abrasives for improved stock removal, finish, and convenience. With a lubricated aluminum oxide coated abrasive and a 3 different grades of non-woven materials, you'll get exceptional removal rates, yet you'll also see a high quality surface finish. This reduces machining times and further processing steps.

Diameter	Grit	Price Per Each
4½"	60 Grit/Coarse	$17.73
5/Box	80Grit/Medium	17.73
	120Grit/Very Fine	17.73

Recommended RPM 7,000 RPM



SMT 325

FLAT

This flap disc utilizes a tough plastic backing plate for more aggressive grinding possibilities. The flat shape makes this model most suitable for grinding flat surfaces. The SMT 325 is made with our exceptionally durable ALUMINA ZIRCONIA - perfect for most metal surfaces.

Diameter	Grit	Price Per Each
4½"	80	$6.58
10/Box	60	6.58
	40	6.58



SMT 325

12˚ANGLE

With the same tough plastic backing plate and the same durable ALUMINA ZIRCONIA material as the flat, the 12˚ convex form allows for grinding contoured metal surfaces.

Diameter	Grit	Price Per Each
4½"	80	$6.58
10/Box	60	6.58
	40	6.58

5/8"-11 hubs $2.20 each



SMT 624

12˚ANGLE

The SMT 624 alumina zirconia disc utilizes a 12° angled backing plate. This will enable the disc to be used on more severely curved surfaces like pipes and storage tanks.

Diameter	Grit	Price Per Each
4½"	120	$7.57
10/Box	80	7.57
	60	7.57
	50	7.57
	40	7.57
	36	7.57
6"	80	$11.90
10/Box	60	11.90
	40	11.90
7"	120	$14.05
10/Box	80	14.05
	60	14.05
	50	14.05
	40	14.05
	36	14.05



SMT 626

6˚ANGLE

This tough alumina zirconia disc has a slight 6° convex form in most aggressive on grinding weld seams and edge grinding.

Diameter	Grit	Price Per Each
4"	120	$7.19
10/Box	80	7.19
	60	7.19
	50	7.19
	40	7.19
4½"	120	$7.64
10/Box	80	7.64
	60	7.64
	50	7.64
	40	7.64
	36	7.64
7"	120	$14.17
10/Box	80	14.17
	60	14.17
	50	14.17
	40	14.17
	36	14.17



SMT 800 NON WOVEN FLAP DISC

12˚ANGLE

The flexibility of non-wovens in a flap disc. High quality non-woven web abrasive mop disc for finishing work. Depending on the degree of hardness, these are also suited for cleaning and light de-burring work and the processing of TIG-welded seams on stainless steel. The SMT 800 will also leave a pleasant finish on most metals and steels.

Diameter	Grit	Price Per Each
4½"	Coarse	$14.72
5/Box	Medium	14.72
	Very Fine	14.72

RECOMMENDED RPM 7,000 RPM

MAXIMUM RPM'S: 4": 15,300 4½": 13,300 5": 12,000 7": 8,500

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

SMT Flap Discs



12˚ANGLE

SMT 314

The SMT 314 makes use of aluminum oxide grains on the flaps. This makes a flap disc that has more uses in applications involving paint and non-ferrous metals. The 12° angle of the disc allows use on contoured parts and flat parts alike.

Diameter	Grit	Price Per Each
4 1/2"	120	$7.57
10/Box	80	7.57
	60	7.57
	40	7.57
	36	7.57
7"	120	$14.05
10/Box	80	14.05
	60	14.05
	50	14.05
	36	14.05



6˚ANGLE

SMT 636

Our popular SMT 636 alumina zirconia flap disc with a multibond lubricant now has a new backing plate structure. It is a consumable fibre-reinforced backing just like our other SMT flap discs and with a 6° convex angle. The 636 is best-suited for cooler edge grinding of stainless steel.

Diameter	Grit	Price Per Each
4 1/2"	120	$8.65
10/Box	80	8.65
	60	8.65
	40	8.65
	36	8.65
7"	80	$15.16
10/Box	60	15.16
	40	15.16
	36	15.16



FLAT

SMT 650 JUMBO FLAPDISC

Here's our longest lasting flap disc ever - the SMT 650 alumina zirconia disc. This is a double-thick disc that offers twice the grinding power and substantially less downtime from disc changing. We like to call the SMT 650 the "JUMBO".

Diameter	Grit	Price Per Each
4 1/2"	80	$8.65
10/Box	60	8.65
	40	8.65
	36	8.65

5/8"-11 hubs
$2.20 each



FLAT

SMT 628

The SMT 628 is a flat-shaped version which makes it versatile for grinding on flat surfaces. Also made with our durable alumina zirconia grains.

Diameter	Grit	Price Per Each
4 1/2"	120	$7.57
10/Box	80	7.57
	60	7.57
	40	7.57
	36	7.57
	24	7.57
7"	120	$14.05
10/Box	80	14.05
	60	14.05
	50	14.05
	40	14.05
	36	14.05
	24	14.05



FLAT

SMT 640

- with built-in 5/8"-11 hole and thread

The SMT 640 is a flat disc with our premium alumina zirconia material and is suitable for use on the same materials and in the same applications as our other flat SMT flap discs. The center hole of the disc is threaded with the proper 5/8"- 11 hole and threading dimensions.

Diameter	Grit	Price Per Each
4 1/2" 5/8"-11	80	$7.57
10/Box	60	7.57
	50	7.57
	40	7.57
	36	7.57
	24	7.57



6˚ANGLE

SMT 926

From the inventors of the flap disc comes the highest performing flap disc ever produced. This convex shaped disc utilizes an enhanced abrasive material made specifically for the applications where the SMT 926 will be most effective. When used on stainless steel or steels of all types, you'll realize a 50% longer service life, 50% higher stock removal, and 50% overall improved efficiency. Compare that with any other flap disc made by any other manufacturer. These alumina zirconia discs are available in the most commonly used grits for steel.

Diameter	Grit	Price Per Each
4 1/2"	80	$8.65
10/Box	60	8.65
	40	8.65

MGAGES

SMT Flap Discs



12˚ANGLE

SMT 924

Produced with a non-lubricated ceramic aluminum oxide grain, this high performance flap disc is suited for cool and aggressive grinding on carbon steels.

Diameter	Grit	Price Per Each
4 1/2"	80	$9.73
10/Box	60	9.73
	40	9.73



6˚ANGLE

SMT 996 SPECIAL

Made from a premium ceramic aluminum oxide grain with a special multi-bond lubricant. At an aggressive 6˚ angle this SMT is best suited for grind weld seams and edge grinding on harder metals such as stainless steel and other alloys.

Diameter	Grit	Price Per Each
4 1/2"	80	$9.73
10/Box	60	9.73
	40	9.73
7"	80	$16.23
10/Box	40	16.23



FLAT

NCD 200 POWER WHEEL FLAP DISC

Powerful cleaning with the design of a flap disc. Here's a disc that will clean rust, scale, paint, varnishes, or other surface imperfections. The NCD 200 is made of a coarse cleaning material imbedded with silicon carbide grains – the most effective for aggressive cleaning and removal applications. The high edge strength allows you to apply the necessary pressure without damaging the disc. 4-1/2".

Diameter	Grit	Price Per Each
4 1/2"		$16.81
5/Box		
MAXIMUM RPM:		**11,000**

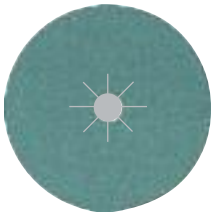


CS 575 TYPE 27 SILICON CARBIDE FIBRE DISCS

Silicon Carbide grain on a rigid backing designed for fast removal times and heavy stock removal rates in the fiberglass and plastic industries.
NOTE: Must be used with backup pad.

Diameter	Grit	Price Per Box
4 1/2" x 7/8"	60	$24.06
5/Box	36	24.96
	24	25.57
	16	27.07
5" x 7/8"	60	$27.26
5/Box	36	27.56
	24	28.28
	16	29.68
7" x 7/8"	60	$35.20
5/Box	36	35.50
	24	35.80
	16	36.40

Fibre Discs



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 Box
4 1/2" x 7/8"	120-80	$32.87
25/Box	60	35.01
13,000 RPM	50	36.31
	36	39.68
	24	41.67
5" x 7/8"	120-80	$41.67
25/Box	60	43.70
12,200 RPM	50	45.71
	36	49.71
	24	52.12
7" x 7/8"	120-80	$58.12
25/Box	60	61.31
8,600 RPM	50	62.93
	36	68.56
	24	70.96



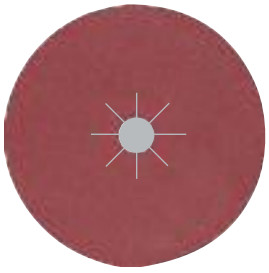
FS 966 LUBRICATED CERAMIC FIBRE DISCS

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 Box
4 1/2" x 7/8"	80	$45.67
25/Box	60	47.95
13,000 RPM	50	51.79
	40	53.96
	36	59.35
	24	68.49
5" x 7/8"	80	$61.72
25/Box	60	64.81
12,200 RPM	50	70.00
	40	71.80
	36	79.01
	24	90.97
7" x 7/8"	80	$98.85
25/Box	60	103.80
8,600 RPM	50	112.10
	40	118.41
	36	130.24
	24	149.62

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Fibre Discs



CS 561 ALUMINUM OXIDE FIBRE DISCS

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+	$23.23
25/Box	60	25.28
14,400 RPM	50	26.48
	40	27.64
	36	28.46
	24	29.25
	16	36.50
4 1/2" x 7/8"	80+	$25.63
25/Box	60	27.64
13,300 RPM	50	28.46
	40	29.71
	36	30.46
	24	31.67
	16	39.68
5" x 7/8"	80+	$28.46
25/Box	60	29.71
12,200 RPM	50	31.67
	40	32.87
	36	33.67
	24	34.87
	16	44.91
7" x 7/8"	80+	$44.91
25/Box	60	47.70
8,600 RPM	50	48.87
	40	51.70
	36	52.91
	24	54.91
	16	69.35
9" x 7/8"	80+	$58.94
25/Box	60	62.93
6,600 RPM	50	66.15
	40	68.16
	36	70.15
	24	72.16
	16	92.60



CS 565 ALUMINA ZIRCONIA FIBRE DISCS

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	$32.87
25/Box	60	35.01
13,000 RPM	50	36.31
	36	39.68
	24	41.67
5" x 7/8"	100/80	$41.67
25/Box	60	43.70
12,200 RPM	50	45.71
	36	49.71
	24	52.12
7" x 7/8"	100/80	$58.12
25/Box	60	61.31
8,600 RPM	50	62.93
	36	68.56
	24	70.96
9" x 7/8"	100/80	$104.23
25/Box	60	110.23
6,600 RPM	50	112.25
	36	124.25
	24	126.66



FS 964 CERAMIC FIBRE DISCS

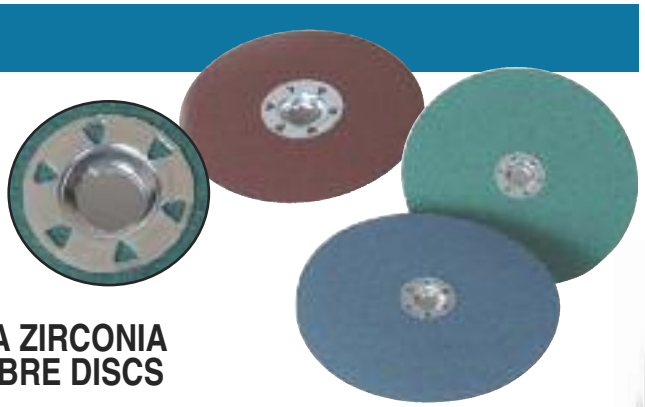
Comprised of tough ceramic grains, fully resin bonded to a heavy vulcanized fiber backing. Ideal for carbon steel and heavy stock removal.

Diameter	Grit	Price Per Box
4 1/2" x 7/8"	120	$39.71
25/Box	80	41.10
13,300 RPM	60	43.15
	50	46.55
	40	48.57
	36	53.41
	24	61.64
5" x 7/8"	120	$51.38
25/Box	80	55.56
12,200 RPM	60	58.33
	50	63.03
	40	64.63
	36	70.98
	24	81.87
7" x 7/8"	120	$84.52
25/Box	80	88.97
8,600 RPM	60	93.41
	50	100.92
	40	106.59
	36	117.21
	24	134.65

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Quick Lock Fibre Discs

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 QUICK LOCK FIBRE DISCS

Diameter	Grit	Price Per Box
4 1/2" x 7/8"	80+	$43.70
25/Box	60	45.71
13,300 RPM	50	46.46
	40	47.70
	36	48.51
	24	49.71
	16	57.72
5" x 7/8"	80+	$46.46
25/Box	60	47.70
12,200 RPM	50	49.71
	40	50.91
	36	51.70
	24	52.91
	16	62.93
7" x 7/8"	80+	$62.93
25/Box	60	65.74
8,600 RPM	50	66.95
	40	69.77
	36	70.96
	24	72.97
	16	87.40
9" x 7/8"	80+	$76.97
25/Box	60	80.96
6,600 RPM	50	84.18
	40	86.20
	36	88.22
	24	90.19
	16	110.66

CS 565 ALUMINA ZIRCONIA QUICK LOCK FIBRE DISCS

CS 570 LUBRICATED ALUMINA ZIRCONIA QUICK LOCK FIBRE DISCS

Diameter	Grit	Price Per Box
4 1/2" x 7/8"	80	$50.91
25/Box	60	52.91
13,000 RPM	50	54.52
	36	57.72
	24	59.73
5" x 7/8"	80	$59.73
25/Box	60	61.74
12,200 RPM	50	63.73
	36	67.74
	24	70.15
7" x 7/8"	80	$76.05
25/Box	60	79.40
8,600 RPM	50	80.96
	36	86.60
	24	89.00
9" x 7/8"	80	$122.25
25/Box	60	128.29
6,600 RPM	50	■
	36	142.30
	24	144.71

FS 966 LUBRICATED CERAMIC QUICK LOCK FIBRE DISCS *ACT*

Diameter	Grit	Price Per Box
4 1/2" x 7/8"	80	$63.92
25/Box	60	66.21
13,000 RPM	50	69.98
	40	71.12
	36	77.59
	24	86.74
5" x 7/8"	80	$83.06
25/Box	60	83.06
12,200 RPM	50	88.26
	40	90.07
	36	97.12
	24	109.22
7" x 7/8"	80	$117.10
25/Box	60	122.05
8,600 RPM	50	130.41
	40	136.66
	36	148.48
	24	167.87

* FS 964 ALSO AVAILABLE

BP SERIES RUBBER PLATES





PHENOLIC BACKING PLATES

Dia.	Item #	RPM	Price Per Pad
4 1/2"	FBP-4.5	6,000	$6.00
5"	FBP-5	6,000	$6.00
7"	FBP-7	6,000	$8.00

FIBRE DISC BACKING PAD

Diameter	Item #	RPM	Price Per Pad
4 1/2" (5/8 - 11)	BP001	13,000	$21.40
4 1/2" spiralcool	BPS012	13,500	$38.51
5" (5/8 - 11)	BP002	12,000	$25.27
5" spiralcool	BPS011	13,000	$46.47
7" (5/8 - 11)	BP003	8,500	$37.71
7" spiralcool	BPS010	8,600	$56.27
9" (5/8 - 11)	BP004	6,600	$48.86

QUICK LOCK BACKING PAD

Diameter		Item #	Price Per Pad
4 1/2"		BPQ001	$50.55
4 1/2"	Low Profile	BPQ002	$50.55
5"		BPQ003	$50.55
5"	Low Profile	BPQ004	$50.35
7"	Soft	BPQ005	$66.22
7"	Medium	BPQ006	$56.89
7"	Firm	BPQ007	$66.22
9"	Medium	BPQ008	$79.17

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SITIO WEB: www.mgages.mx

Ultra-Thin Cut-off Wheels



Ceramic
K 960 TX Special Special Stainless Steel, Stainless Steel Sheets, Container Construction *25 Per Box*

Size	Max RPM	Item#	Price Per Disc
4½" x .045" x ⅞"	13,300	K960TX1151.022F	$4.67
5" x .045" x ⅞"	12,200	K960TX1251.022F	5.25



Alumina Zirconia
Z 960 TX Special Special Stainless Steel, Stainless Steel Sheets and Container Construction *25 Per Box*

Size	Max RPM	Item#	Price Per Disc
4½" x .045" x ⅞" TYPE 27	13,300	Z960TX1151.022D	$4.07
5" x .045" x ⅞" TYPE 27	12,200	Z960TX1251.022D	4.56
4½" x .045" x ⅞"	13,300	Z960TX1151.022F	4.07
5" x .045" x ⅞"	12,200	Z960TX1251.022F	4.56



Aluminum Oxide
A 960 TZ Special Special Stainless Steel, Stainless Steel Sheets and Container Construction *25 Per Box*

Size	Max RPM	Item#	Price Per Disc
4½" x .045" x ⅞" TYPE 27	13,300	A960TZ1151.022D	$3.69
5" x .045" x ⅞" TYPE 27	12,200	A960TZ1251.022D	4.15
4½" x .045" x ⅞"	13,300	A960TZ1151.022F	3.69
5" x .045" x ⅞"	12,200	A960TZ1251.022F	4.15



Aluminum Oxide
A 980 TZ Special Special Stainless Steel, Stainless Steel Sheets, Container Construction *25 Per Box*

Size	Max RPM	Item#	Price Per Disc
4½" x 1/32" x ⅞" TYPE 27	13,300	A980TZ1150.822D	$4.09
5" x 1/32" x ⅞" TYPE 27	12,200	A980TZ1250.822D	4.51

Size	Max RPM	Item#	Price Per Disc
4" x 1/16" x 5/8"	13,300	A46TZ1001.616F	$3.58
4 1/2" x 1/16" x 7/8" TYPE 27	13,300	A46TZ1151.622D	3.69
4 1/2" x 1/16" x 7/8"	13,300	A46TZ1151.622F	3.69
5" x 1/16" x 7/8"	12,200	A46TZ1251.622F	4.37
6" x 1/16" x 7/8"	12,200	A46TZ1501.622F	4.52
6" x 1/16" x 7/8" TYPE 27	12,200	A46TZ1501.622D	4.52
7" x 1/16" x 7/8"	8,500	A46TZ1781.622F	5.64
7" x 1/16" x 7/8" TYPE 27	8,500	A46TZ1781.622D	5.64
9" x 5/64" x 7/8"	6,600	A46TZ2301.922F	7.28
9" x 5/64" x 7/8" TYPE 27	6,600	A46TZ2301.922D	7.28



A 46 TZ

Special Stainless Steel, Stainless Steel Sheets, Container Construction

25 Per Box



A 60 TZ

Special Stainless Steel, Stainless Steel Sheets and Container Construction

25 Per Box

Size	Max RPM	Item#	Price Per Disc
4" x .045" x 5/8"	15,300	A60TZ1001.016F	$3.57



A 60 N Supra

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

25 Per Box

Size	Max RPM	Item#	Price Per Disc
4 1/2" x .045" x 7/8"	13,300	A60N1151.022F	$4.09
5" x .045" x 7/8"	12,200	A60N1251.022F	4.51

A 660 R Small Cut-Off Wheels

new

Size	Max RPM	Item#	Price Per Disc
2" x 1 mm x 1/4"	38,200	A660R0501.006F	$2.29
2" x 1 mm x 3/8"	38,200	A660R0501.010F	2.77
3" x 1 mm x 1/4"	25,200	A660R0761.006F	2.29
3" x 1 mm x 3/8"	25,200	A660R0761.010F	2.29
3" x 1/16" x 1/4"	25,200	A660R0761.606F	2.29
3" x 1/16" x 3/8"	25,200	A660R0761.610F	2.29
4" x 1 mm x 1/4"	19,000	A660R1001.006F	2.70
4" x 1 mm x 3/8"	19,000	A660R1001.010F	2.77



25 Per Box

A 660 R MANDREL

1/4" & 3/8"	ARBOR1/4-3/8X1/4SL	$11.76/per mandrel

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Assorted Cut-Off Wheels for Hand-Held Machines



A 24 Extra

General purpose cutting of most metals

CUT OFF WHEELS - TYPE 1 FLAT

Size	Grit	Max RPM	Item#	Price Per Disc
7" x 1/8" x 7/8" 25 / Box	A24Extra	8500	A24E1783.022F	$3.63
9" x 1/8" x 7/8"	A24Extra	6600	A24E2303.022F	5.36
25/Box	C24Extra	6600	C24E2303.022F	5.49



C 24 Extra

General purpose cutting of most stone/masonry

CUT OFF WHEELS - TYPE 27 DEPRESSED CENTER

Size	Grit	Max RPM	Item#	Price Per Disc
4" x 3/32" x 5/8" 25/Box	A24Extra	15300	A24E1002.516D	$2.54
4 1/2" x 3/32" x7/8"	A24Extra	13300	A24E1152.522D	2.63
25/Box	C24Extra	13300	C24E1152.522D	2.77
4 1/2" x 3/32" x 5/8"-11 hub	A24Extra	13300	A24E1152.522A	4.49
10/Box	C24Extra	13300	C24E1152.522A	4.67
5" x 3/32" x 7/8" 25/Box	A24Extra	12200	A24E1252.522D	2.86
5" x 3/32" x 5/8"-11 hub 10/Box	A24Extra	12200	A24E1252.522A	4.73
7" x 1/8" x 7/8" 25/Box	A24Extra	8500	A24E1783.022D	3.62
7" x 1/8" x 5/8"-11 hub 10/Box	A24Extra	8500	A24E1783.022A	5.49
9" x 1/8" x 7/8"	A24Extra	6600	A24E2303.022D	5.35
25/Box	C24Extra	6600	C24E2303.022D	5.49
9" x 1/8" x 5/8"-11 hub	A24Extra	6600	A24E2303.022A	7.21
10/Box	C24Extra	6600	C24E2303.022A	7.34



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	$2.70
4 1/2" x 3/32" x 7/8"	25	13300	A24R1152.522D	2.86
4 1/2" x 3/32" x 5/8"-11 hub	10	13300	A24R1152.522A	4.73
5" x 3/32 x 7/8"	25	12200	A24R1252.522D	3.24
5" x 3/32" x 5/8"-11 hub	10	12200	A24R1252.522A	5.10
7" x 1/8" x 7/8"	25	8500	A24R1783.022D	4.01
7" x 1/8" x 5/8"-11 hub	10	8500	A24R1783.022A	5.87
9" x 1/8" x 7/8"	25	6600	A24R2303.022D	6.81
9" x 1/8" x 5/8"-11 hub	10	6600	A24R2303.022A	8.64

Size	Box Qty	Max RPM	Item#	Price Per Disc
4" x 3/32" x 5/8"	25	15300	A24R1002.516F	$2.70
4 1/2" x 3/32" x 7/8"	25	13300	A24R1152.522F	2.86
5" x 3/32" x 7/8"	25	12200	A24R1252.522F	3.24
6" x 3/32" x 7/8"	25	10200	A24R1502.522F	3.86
7" x 1/8" x 7/8"	25	8500	A24R1783.022F	4.01
9" x 1/8" x 7/8"	25	6600	A24R2303.022F	6.81

Assorted Cut-Off Wheels for Hand-Held Machines



A 24 N Supra

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



Size	Box Qty	Max RPM	Item#	Price Per Disc
$4\frac{1}{2}$" x $\frac{3}{32}$" x $\frac{7}{8}$"	25	13300	A24N1152.522D	$3.03
$4\frac{1}{2}$" x $\frac{3}{32}$" x $\frac{5}{8}$"-11 hub	10	13300	A24N1152.522A	4.86
5" x $\frac{3}{32}$" x $\frac{7}{8}$"	25	12200	A24N1252.522D	3.42
5" x $\frac{3}{32}$" x $\frac{5}{8}$"-11 hub	10	12200	A24N1252.522A	5.25
7" x $\frac{1}{8}$" x $\frac{7}{8}$"	25	8500	A24N1783.022D	4.39
7" x $\frac{1}{8}$" x $\frac{5}{8}$"-11 hub	10	8500	A24N1783.022A	6.26
9" x $\frac{1}{8}$" x $\frac{7}{8}$"	25	6600	A24N2303.022D	7.34
9" x $\frac{1}{8}$" x $\frac{5}{8}$"-11 hub	10	6600	A24N2303.022A	9.21



Size	Box Qty	Max RPM	Item#	Price Per Disc
7" x $\frac{1}{8}$" x $\frac{7}{8}$"	25	8500	A24N1783.022F	$4.39
9" x $\frac{1}{8}$" x $\frac{7}{8}$"	25	6600	A24N2303.022F	7.34

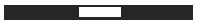


A 46 N Supra

Aluminum



Size	Box Qty	Max RPM	Item#	Price Per Disc
$4\frac{1}{2}$" x $\frac{3}{32}$" x $\frac{7}{8}$"	25	13300	A46N1152.522D	$3.03
$4\frac{1}{2}$" x $\frac{3}{32}$" x $\frac{5}{8}$"-11 hub	10	13300	A46N1152.522A	4.86
5" x $\frac{3}{32}$" x $\frac{7}{8}$"	25	12200	A46N1252.522D	3.42
5" x $\frac{3}{32}$" x $\frac{5}{8}$"-11 hub	10	12200	A46N1252.522A	5.25



Size	Box Qty	Max RPM	Item#	Price Per Disc
7" x $\frac{1}{8}$" x $\frac{7}{8}$"	25	8500	A46N1783.022F	$4.39
9" x $\frac{1}{8}$" x $\frac{7}{8}$"	25	6600	A46N2303.022F	7.13

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Cut-Off Wheels for Gas Powered Saws



A 24 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	A24R3003.520F	$10.21
12" x 9/64" x 1"	10	5100	A24R3003.525F	10.21
14" x 5/32" x 20 mm"	10	4400	A24R3504.020F	14.91
14" x 5/32" x 1"	10	4400	A24R3504.025F	14.91



T 24 AX Special

Railroad Tracks and Steel

**** Best performance on high powered saws***

Size	Box Qty	Max RPM	Item#	Price Per Disc
14" x 5/32" x 1"	10	5500	T24AX3504.025F	$18.21
16" x 5/32" x 1"	10	4800	T24AX4004.025F	24.50



C 24 R Supra

Stone, Concrete

**** Best performance on high powered saws***

Size	Box Qty	Max RPM	Item#	Price Per Disc
14" x 9/64" x 1"	10	5500	C24R3503.525F	15.31



C 24 RA Special

Asphalt

Size	Box Qty	Max RPM	Item#	Price Per Disc
12" x 9/64" x 20 mm"	10	5100	C24RA3003.520F	10.66
14" x 5/32" x 20 mm"	10	4400	C24RA3504.020F	15.92

MGAGES

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 N Supra

Stainless Steel, Non-Alloy and High Alloy Stainless Steel

> 3KW or 4HP Machines

Size	Box Qty	Max RPM	Item#	Price Per Disc
14" x 9/64" x 1"	10	5500	A24N3503.525F	15.45



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	$10.35
14" x 9/64" x 1"	10	5500	A24R3503.525F	14.54
16" x 3/16" x 1"	10	4800	A24R4004.025F	17.85

MGAGES

Cut-Off Wheels for Low Powered Chopsaws

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 30 N Special

All Metals

< 3KW or 4HP

Size	Box Qty	Max RPM	Item#	Price Per Disc
12" x 3/32" x 1"	10	5100	A30N3002.525F FC	$10.42
14" x 1/8" x 1"	10	4400	A30N3503.025F FC	11.87
16" x 9/64" x 1"	10	3800	A30N4003.525F FC	15.67

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Grinding/Notching/Cutting Dual Use Wheels

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	$3.10
4 1/2" x 1/8" x 5/8" - 11	10	13,300	TS30AP1153.522A	4.25
5" x 1/8" x 7/8"	10	12,200	TS30AP1253.522D	3.38
5" x 1/8" x 5/8" - 11	10	12,200	TS30AP1253.522A	4.50
6" x 1/8" x 7/8"	10	10,200	TS30AP1503.522D	3.64
6" x 1/8" x 5/8" - 11	10	10,200	TS30AP1503.522A	4.77
7" x 1/8" x 7/8"	10	8,600	TS30AP1783.722D	4.47
7" x 1/8" x 5/8" - 11	10	8,600	TS30AP1783.722A	5.83

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	$4.88
5" x 5/64" x 7/8" DUPLEX	25	12,200	A46VZ1252.022D	5.40

Grinding Discs

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.



A 24 Extra

Steel, Structural Steel, Tool Steel, Sheet Steel



TYPE 27 DEPRESSED CENTER

Size	Grit	Box Qty	Max RPM	Item#	Price Per Disc
4" x 1/4" x 5/8"	A24Extra	10	15300	A24E1006.016D	$2.79
4 1/2" x 1/4" x 7/8"	A24Extra	10	13300	A24E1156.022D	2.98
4 1/2" x 1/4" x 5/8"-11 hub	A24Extra	10	13300	A24E1156.022A	4.89
5" x 1/4" x 7/8"	A24Extra	10	12200	A24E1256.022D	3.44
5" x 1/4" x 5/8"-11 hub	A24Extra	10	12200	A24E1256.022A	5.38
7" x 1/4" x 7/8"	A24Extra	10	8500	A24E1786.022D	5.29
7" x 1/4" x 5/8"-11 hub	A24Extra	10	8500	A24E1786.022A	7.21
7" x 1/4" x 7/8"	A24ExtraT	10	8500	A24ET1786.022D	5.29
7" x 1/4" x 5/8"-11 hub	A24ExtraT	10	8500	A24ET1786.022A	7.21
9" x 1/4" x 7/8"	A24Extra	10	6600	A24E2306.022D	7.71
9" x 1/4" x 5/8"-11 hub	A24Extra	10	6600	A24E2306.022A	9.62

Maximum operating speed - 16,000 surface feet per minute (SFPM). For use with portable tools.

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	$2.98
4" x 1/4" x 5/8"	10	15300	A24R1006.016D	3.54
4 1/2" x 5/32" x 7/8"	10	13300	A24R1154.022D	3.12
4 1/2" x 5/32" x 5/8"-11 hub	10	13300	A24R1154.022A	4.89
4 1/2" x 1/4" x 7/8"	10	13300	A24R1156.022D	3.79
4 1/2" x 1/4" x 5/8"-11 hub	10	13300	A24R1156.022A	5.71
5" x 1/4" x 7/8"	10	12200	A24R1256.022D	3.91
5" x 1/4" x 5/8"-11 hub	10	12200	A24R1256.022A	5.84
6" x 1/4" x 7/8"	10	10200	A24R1506.022D	4.99
6" x 1/4" x 5/8"-11 hub	10	10200	A24R1506.022A	6.93
7" x 1/4" x 7/8"	10	8500	A24R1786.022D	6.59
7" x 1/4" x 5/8"-11 hub	10	8500	A24R1786.022A	8.50
7" x 5/16" x 7/8"	10	8500	A24R1788.022D	8.12
9" x 1/4" x 7/8"	10	6600	A24R2306.022D	11.17
9" x 1/4" x 5/8"-11 hub	10	6600	A24R2306.022A	13.07

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 Discs



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	$4.20
4 1/2" x 1/4" x 5/8"-11 hub	10	13300	A24N1156.022A	6.10
5" x 1/4" x 7/8"	10	12200	A24N1256.022D	4.56
5" x 1/4" x 5/8"-11 hub	10	12200	A24N1256.022A	6.49
7" x 1/4" x 7/8"	10	8500	A24N1786.022D	7.21
7" x 1/4" x 5/8"-11 hub	10	8500	A24N1786.022A	9.15
9" x 1/4" x 7/8"	10	6600	A24N2306.022D	12.19
9" x 1/4" x 5/8"-11 hub	10	6600	A24N2306.022A	14.11



A 24 S Supra

Cast Iron, Cast Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
7" x 1/4" x 7/8"	10	8500	A24S1786.022D	$8.50
7" x 1/4" x 5/8"-11 hub	10	8500	A24S1786.022A	10.40



C 24 R Supra

Concrete, Granite Stone

Size	Box Qty	Max RPM	Item#	Price Per Disc
4 1/2" x 1/4" x 7/8"	10	13300	C24R1156.022D	$4.56
4 1/2" x 1/4" x 5/8"-11 hub	10	13300	C24R1156.022A	6.49
5" x 1/4" x 7/8"	10	12200	C24R1256.022D	5.77
5" x 1/4" x 5/8"-11 hub	10	12200	C24R1256.022A	7.71
7" x 1/4" x 7/8"	10	8500	C24R1786.022D	7.92
7" x 1/4" x 5/8"-11 hub	10	8500	C24R1786.022A	9.87



A 24 TX Special

Cast Iron, Cast Steel

Size	Box Qty	Max RPM	Item#	Price Per Disc
4 1/2" x 1/4" x 7/8"	10	13300	A24TX1156.022D	$5.90
4 1/2" x 1/4" x 5/8"-11 hub	10	13300	A24TX1156.022A	7.75
5" x 1/4" x 7/8"	10	12200	A24TX1256.022D	6.41
5" x 1/4" x 5/8"-11 hub	10	12200	A24TX1256.022A	8.24
7" x 1/4" x 7/8"	10	8500	A24TX1786.022D	10.48
7" x 1/4" x 5/8"-11 hub	10	8500	A24TX1786.022A	12.34
9" x 1/4" x 7/8"	10	6600	A24TX2306.022D	15.16
9" x 1/4" x 5/8"-11 hub	10	6600	A24TX2306.022A	17.08



A30M 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	$5.90
4 1/2" x 1/4" x 5/8"-11 hub	10	13300	A30M1156.022A	7.75
5" x 1/4" x 7/8"	10	12200	A30M1256.022D	6.41
5" x 1/4" x 5/8"-11 hub	10	12200	A30M1256.022A	8.24
6" x 1/4" x 7/8"	10	10200	A30M1506.022D	8.61
6" x 1/4" x 5/8"-11 hub	10	10200	A30M1506.022A	10.46
7" x 1/4" x 7/8"	10	8500	A30M1786.022D	10.48
7" x 1/4" x 5/8"-11 hub	10	8500	A30M1786.022A	12.34



A 46 N Supra

Aluminum

Size	Box Qty	Max RPM	Item#	Price Per Disc
4 1/2" x 1/4" x 7/8"	10	13300	A46N1156.022D	$4.20
4 1/2" x 1/4" x 5/8"-11 hub	10	13300	A46N1156.022A	6.10
5" x 1/4" x 7/8"	10	12200	A46N1256.022D	4.56
5" x 1/4" x 5/8"-11 hub	10	12200	A46N1256.022A	6.49
7" x 1/4" x 7/8"	10	8500	A46N1786.022D	7.21
7" x 1/4" x 5/8"-11 hub	10	8500	A46N1786.022A	9.15

Top discs in the industry for aluminum

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Heavy Duty Scrim Back Non-Woven Belts

STANDARD HEAVY DUTY SCRIM BACK (NWA) VS HYPERFLEX HEAVY DUTY SCRIM BACK (NWH)

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

- Loose/open weave of non woven fibers
- Thinner and less aggressive resin coating
- Less likely to load on softer materials
- More conformity
- Softer scratch pattern
- Less heat build up

Material	Extra Coarse	Coarse	Medium	Very Fine	Super Fine
Color	Brown/Blue	Brown	Maroon	Blue	Grey
Grain	AO	AO	AO	AO	SiC
Grit	46	80	180	320	600

FILE BELTS

Diameter	Price Per Belt
1/2" x 18"	$5.49
1/2" x 20 1/2"	5.82
1/2" x 24"	6.16
3/4" x 18"	7.65
3/4" x 20 1/2"	8.22
1" x 18"	8.19
1" x 24"	9.51
1 1/8" x 21"	9.08
1 1/4" x 20 1/2"	9.08
1 1/2" x 18 15/16"	9.66

NOTE: PLEASE ADD 25% FOR EXTRA COARSE AND SUPERFINE PRICING

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

WIDE BELTS

Diameter	Price Per Belt
19" x 48"	$163.98
36" x 60"	413.75
36" x 75"	498.75
37" x 60"	433.77
37" x 75"	522.98

BACKSTAND SANDER SIZES

Diameter	Price Per Belt
2" x 118"	$44.09
2" x 132"	48.51
3" x 118"	61.62
3" x 132"	67.63
4" x 118"	83.06
4" x 132"	91.10
4" x 168"	111.79

PLATEN SANDER SIZES

Diameter	Price Per Belt
1" x 30"	$10.81
1" x 42"	13.42
1 1/2" x 60"	19.56
2" x 30"	16.29
2" x 42"	20.07
2" x 48"	21.96
2" x 60"	25.76
2" x 72"	29.55
2 1/2" x 60"	34.69
3" x 24"	21.30
3 1/2" x 15 1/2"	23.52
4" x 24"	29.01
4" x 36"	35.90
6" x 48"	60.03

Non-Woven Rolls



CLEAN & POLISH - LIGHTWEIGHT

Diameter	Grit	Price Per Roll
4" x 30 Feet	Very Fine S/C	$57.13
	Medium A/O	70.14
	Coarse A/O	100.35
6" x 30 Feet	Very Fine S/C	$85.20
	Medium A/O	104.53
	Coarse A/O	139.85



6" x 4-1/2"
HAND PAD HOLDER
uses 1/2 of standard size hand pad

List Price $4.53

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

Non-Woven Hand Pads

6" x 9" Non-Woven Hand Pads - 10 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
4396	General Purpose/Very Fine	
	Green	$10.55
4660	Fine	
	Maroon	13.72
4630	Ultra fine	
	Gray	13.72
4223	No Abrasive	
	White	13.72
4790	Coarse (Extra Cut)	
	Brown	26.77

Non-Woven Discs

BROWN = COARSE • MAROON = MEDIUM • BLUE-GRAY = VERY FINE • BROWN/BLUE = EXTRA COARSE • GREY = SUPER FINE Use Non-Woven Discs to perform a variety of functions including deburring, blending, and cleaning on all metal types.

HEAVY DUTY SCRIM BACK

Must be used with long hook back up pads

Diameter	Grit	Price Per Pack
4" x NH 10/Pack	Super Fine	$28.83
	Very Fine	23.06
	Medium	23.06
	Coarse	23.06
	Extra Coarse	28.83
4" x 5/8" 10/Pack	Super Fine	28.83
	Very Fine	23.06
	Medium	23.06
	Coarse	23.06
	Extra Coarse	28.83
4 1/2" x NH 10/Pack	Super Fine	35.59
	Very Fine	28.47
	Medium	28.47
	Coarse	28.47
	Extra Coarse	35.59
4 1/2" x 7/8" 10/Pack	Super Fine	35.59
	Very Fine	28.47
	Medium	28.47
	Coarse	28.47
	Extra Coarse	35.59
5" x NH 10/Pack	Super Fine	42.04
	Very Fine	33.63
	Medium	33.63
	Coarse	33.63
	Extra Coarse	42.04
5" x 7/8" 10/Pack	Super Fine	42.04
	Very Fine	33.63
	Medium	33.63
	Coarse	33.63
	Extra Coarse	42.04
6" x NH 10/Pack	Super Fine	58.29
	Very Fine	46.63
	Medium	46.63
	Coarse	46.63
	Extra Coarse	58.29
7" x NH 10/Pack	Super Fine	72.41
	Very Fine	57.93
	Medium	57.93
	Coarse	57.93
	Extra Coarse	72.41
7" x 7/8" 10/Pack	Super Fine	72.41
	Very Fine	57.93
	Medium	57.93
	Coarse	57.93
	Extra Coarse	72.41
8" x NH 10/Pack	Super Fine	99.73
	Very Fine	79.78
	Medium	79.78
	Coarse	79.78
	Extra Coarse	99.73

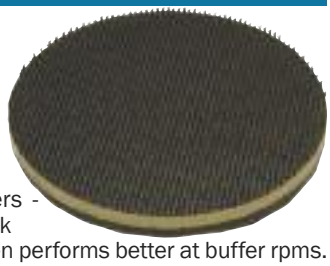
Heavy Duty Scrim Backed Discs are available in Very Fine, Medium, Coarse, and Extra Coarse. Lightweight (HyperFlex) Scrim Backed Discs are available in Super Fine, Very Fine, Medium, and Coarse. Please see corresponding pricing adjacent.

CLEAN & POLISH - LIGHTWEIGHT

Must be used with long hook back up pads

Diameter	Grit	Price Per Pack
5" x NH 10/Pack	Very Fine	$19.96
	Medium	19.96
	Coarse	19.96
6" x NH 10/Pack	Very Fine	28.42
	Medium	28.42
	Coarse	28.42
6" x 1/2" 10/Pack	Very Fine	28.42
	Medium	28.42
	Coarse	28.42
8" x NH 10/Pack	Very Fine	49.39
	Medium	49.39
	Coarse	49.39
8" x 1/2" 10/Pack	Very Fine	49.39
	Medium	49.39
	Coarse	49.39

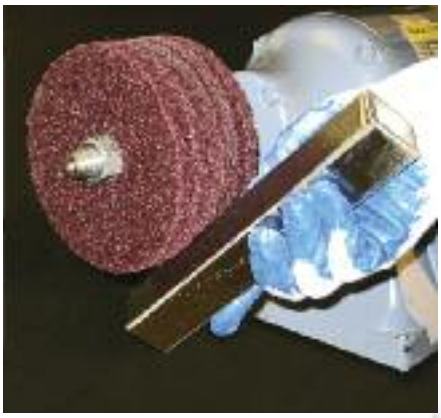
Backing Pads Non-Woven



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	$25.44
4 1/2" (5/8 - 11)	FJ45G	26.07
5" (5/8 - 11)	FJ50G	26.36
6" (5/8 - 11)	FJ60G	27.27
7" (5/8 - 11)	FJ70G	29.48
8" (5/8- 11)	FJ80G	29.48

PLEASE NOTE BEFORE ORDERING: Long Hook Pads are for use with HD Scrim Back non-woven materials on a right angle grinder only!



HIGH STRENGTH - FOR EDGEWORK

Diameter	Price Per Pack
8" x 1/2" 10/Pack	$89.55

Other sizes available. Call for Availability.

Buff & Blend Discs

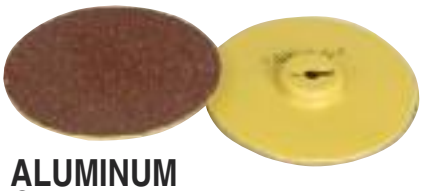
Buff & Blend discs are ideal for light deburring and finishing applications, very fine high luster and decorative finishes, final finishing on non-ferrous die cast molded parts, finishing on brass, steel, bronze, pewter, Stainless Steel, and plated plastics, and polishing pipe threads and edges of molded glass containers. Available in Very Fine, Fine, and Medium

Diameter	Grit	Price Per Pack
5" x NH 10/Pack	Very Fine	$28.58
	Fine	28.58
	Medium	28.58
6" x NH 10/Pack	Very Fine	39.64
	Fine	39.64
	Medium	39.64

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SITIO WEB: www.mgages.mx

QDC Discs - QUICK DISC CONNECT



ALUMINUM OXIDE

Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
3/4"	100+	$53.67
100/Box	80	53.67
30,000 RPM	60	55.52
	50	56.97
	40	59.20
	36	60.80
	24	63.62
1"	100+	$53.67
100/Box	80	53.67
30,000 RPM	60	55.52
	50	56.97
	40	59.20
	36	60.80
	24	63.62
1-1/2"	100+	$66.64
100/Box	80	66.64
30,000 RPM	60	67.53
	50	69.75
	40	69.75
	36	70.41
	24	74.82
2"	100+	$95.62
100/Box	80	97.69
20,000 RPM	60	98.84
	50	102.79
	40	105.61
	36	110.96
	24	118.91
3"	100+	$61.03
50/Box	80	62.39
20,000 RPM	60	63.78
	50	65.59
	40	67.64
	36	69.70
	24	74.43
4"	100+	$51.09
25/Box	80	52.25
20,000 RPM	60	53.37
	50	54.91
	40	56.67
	36	58.38
	24	62.34



ALUMINA ZIRCONIA

Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
3/4"	120	$64.41
100/Box	80	64.41
30,000 RPM	60	66.65
	50	68.38
	40	71.03
	36	73.15
	24	76.79
1"	120	$64.41
100/Box	80	64.41
30,000 RPM	60	66.65
	50	68.38
	40	71.03
	36	73.15
	24	76.79
1-1/2"	100+	$79.93
100/Box	80	79.93
30,000 RPM	60	81.03
	50	83.71
	40	83.71
	36	85.48
	24	89.86
2"	100+	$114.31
100/Box	80	117.10
20,000 RPM	60	118.60
	50	123.37
	40	126.72
	36	133.15
	24	142.95
3"	100+	$73.23
50/Box	80	74.84
20,000 RPM	60	76.52
	50	78.62
	40	81.19
	36	83.63
	24	89.07
4"	100+	$61.51
25/Box	80	62.86
20,000 RPM	60	64.28
	50	66.09
	40	68.17
	36	70.27
	24	74.81



ALUMINA ZIRCONIA - LUBRICATED

Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
3/4"	120	$77.27
100/Box	80	77.27
30,000 RPM	60	79.96
	50	82.04
	40	85.26
	36	87.76
1"	120	$77.27
100/Box	80	77.27
30,000 RPM	60	79.96
	50	82.04
	40	85.26
	36	87.76
1-1/2"	120	$95.95
100/Box	80	95.95
30,000 RPM	60	97.29
	50	100.44
	40	100.44
	36	102.59
2"	100+	$137.73
100/Box	80	140.54
20,000 RPM	60	142.34
	50	148.04
	40	152.10
	36	159.79
3"	100+	$87.85
50/Box	80	89.79
20,000 RPM	60	91.84
	50	94.38
	40	97.42
	36	100.37
4"	100+	$73.83
25/Box	80	75.41
20,000 RPM	60	77.16
	50	79.31
	40	81.85
	36	84.31



STEEL MANDRELS FOR QDC DISCS - 1/4" SHANK

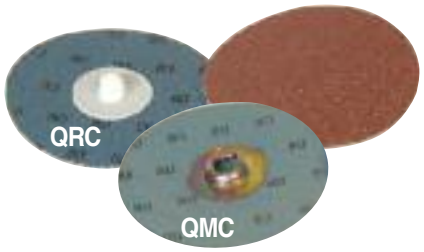
For 3/4", 1",1 1/2" QDC Discs
ITEM# SL100MANDREL $6.31 each

For 2", 3", 4" QDC Discs
ITEM# SL101MANDREL $7.91 each

MGAGES

QRC Discs
(QUICK ROLL CONNECT)

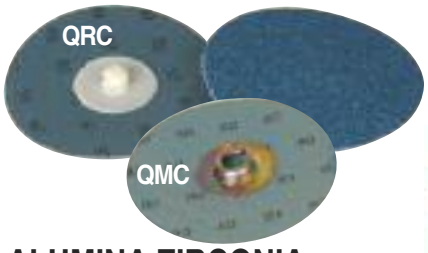
QMC Discs
(QUICK METAL CONNECT)



ALUMINUM OXIDE

Must be used with KLINGSPOR's Holder Pads.

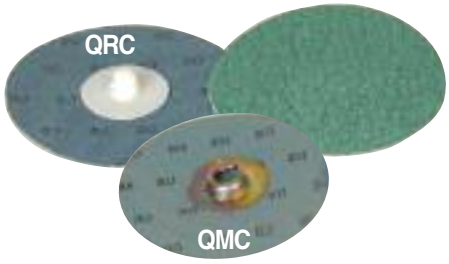
Diameter	Grit	Price Per Box
1-1/2"	120	$66.64
100/Box	80	66.64
	60	67.53
	50	69.75
	40	69.75
	36	70.41
	24	74.82
2"	100+	$95.62
100/Box	80	97.59
	60	98.84
	50	102.79
	40	105.61
	36	110.96
	24	118.91
3"	100+	$61.03
50/Box	80	62.39
	60	63.78
	50	65.59
	40	67.64
	36	69.70
	24	74.43



ALUMINA ZIRCONIA

Must be used with KLINGSPOR's Holder Pads.

Diameter	Grit	Price Per Box
1-1/2"	120	$79.93
100/Box	80	79.93
	60	81.03
	50	83.71
	40	83.71
	36	85.46
	24	89.86
2"	100+	$114.74
100/Box	80	117.10
	60	118.60
	50	123.37
	40	126.72
	36	133.15
	24	142.97
3"	100+	$73.22
50/Box	80	74.84
	60	76.52
	50	78.62
	40	81.19
	36	83.63
	24	89.07

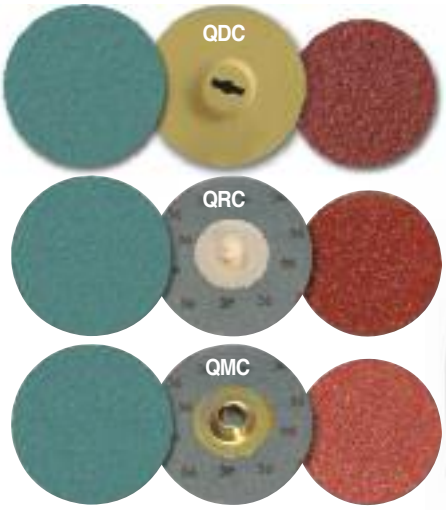


ALUMINA ZIRCONIA - LUBRICATED

Must be used with KLINGSPOR's Holder Pads.

Diameter	Grit	Price Per Box
2"	100	$134.44
100/Box	80	141.52
	60	148.64
	50	153.23
	40	157.42
	36	165.39
3"	100+	$87.85
50/Box	80	89.79
	60	91.84
	50	94.38
	40	97.42
	36	100.37

Ceramic Quick Change Discs



CERAMIC - AVAILABLE IN QDC, QRC AND QMC

QDC Must be used with KLINGSPOR's Steel Mandrels and Holder Pads

Diameter	Grit	Price Per Box
2"	180-100	$129.89
100/Box	80	136.73
	60	143.62
	50	148.04
	40	152.10
	36	159.79
3"	180-100	$82.86
50/Box	80	87.21
	60	91.54
	50	94.38
	40	97.21
	36	100.37

CERAMIC LUBRICATED - AVAILABLE IN QDC, QRC AND QMC

QDC Must be used with KLINGSPOR's Steel Mandrels. and Holder Pads

Diameter	Grit	Price Per Box
2"	80	$136.73
100/Box	60	143.62
	50	148.04
	40	153.92
	36	159.79
	24	175.78
3"	80	$87.21
50/Box	60	91.54
	50	94.38
	40	97.37
	36	100.37
	24	110.40

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.

MGAGES

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SITIO WEB: www.mgages.mx

Non-Woven Scrim Backed Quick Change Discs



QDC - SCRIM BACKED

Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
2"	Very Fine	$42.73
25/Box	Medium	42.73
	Coarse	42.73
3"	Very Fine	$80.98
25/Box	Medium	80.98
	Coarse	80.98



QRC - SCRIM BACKED

Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
2"	Very Fine	$42.73
25/Box	Medium	42.73
	Coarse	42.73
3"	Very Fine	$80.98
25/Box	Medium	80.98
	Coarse	80.98



QMC - SCRIM BACKED

Must be used with KLINGSPOR's Steel Mandrels.

Diameter	Grit	Price Per Box
2"	Very Fine	$42.73
25/Box	Medium	42.73
	Coarse	42.73
3"	Very Fine	$80.98
25/Box	Medium	80.98
	Coarse	80.98

Non-Woven Buff and Blend



QRC - BUFF AND BLEND

Diameter	Grit	Price Per Box
2"	Very Fine	$42.73
25/Box	Fine	42.73
	Medium	42.73
3"	Very Fine	$80.98
25/Box	Fine	80.98
	Medium	80.98

QMC - BUFF AND BLEND

Diameter	Grit	Price Per Box
2"	Very Fine	$42.73
25/Box	Fine	42.73
	Medium	42.73
3"	Very Fine	$80.98
25/Box	Fine	80.98
	Medium	80.98

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
QDPD200 .....$4.12/ea

3" QDC Power Disc on 2" QD backer
QDPD300 .....$5.40/ea

2" QRC Power Disc
QRCPD200 .....$4.12/ea

3" QRC Power Disc
QRCPD300 .....$5.40/ea



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	$15.74
1-1/2"	Firm	30,000	**(QM) (QR)** HOLDER1.5FIRM	15.74
2"	Medium	25,000	**(QM) (QR)** HOLDER2.0MED	16.35
2"	Firm	30,000	**(QM) (QR)** HOLDER2.0FIRM	16.35
3"	Medium	20,000	**(QM) (QR)** HOLDER3.0MED	19.09
3"	Firm	20,000	**(QM) (QR)** HOLDER3.0FIRM	19.09

Mini Flap Discs

KLINGSPOR is pleased to introduce the 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	$2.45
10/Box	80	MINISMT2ZR80	30,000	2.45
	60	MINISMT2ZR60	30,000	2.45
	40	MINISMT2ZR40	30,000	2.45
	36	MINISMT2ZR36	30,000	2.45
3"	120	MINISMT3ZR120	20,000	$3.00
10/Box	80	MINISMT3ZR80	20,000	3.00
	60	MINISMT3ZR60	20,000	3.00
	40	MINISMT3ZR40	20,000	3.00
	36	MINISMT3ZR36	20,000	3.00

CERAMIC

Diameter	Grit	Item Number	Max RPM	Price Per Each
2"	80	MINISMT2CR80	30,000	$3.25
10/Box	60	MINISMT2CR60	30,000	3.25
	40	MINISMT2CR40	30,000	3.25
	36	MINISMT2CR36	30,000	3.25
3"	80	MINISMT3CR80	20,000	3.95
10/Box	60	MINISMT3CR60	20,000	3.95
	40	MINISMT3CR40	20,000	3.95
	36	MINISMT3CR36	20,000	3.95





BENEFITS INCLUDE:

- Grind and blend welds
- Available sizes 2" & 3"
- Available in Zirconia and Ceramic Oxide
- Fits all QRC Backing Pads



TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Heavy Duty Graphite Rolls



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

Size	Price Per Roll
3" x 10 yards	$63.81
4" x 10 yards	99.23
6" x 10 yards	127.62
9" x 10 yards	191.41
12" x 10 yards	255.24

Graphite Sticks

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



Graphite Sticks	$14.20 each

Cleaning Sticks



Cleaning Sticks
8" x 2" x 2"
$21.91 each

Premium Grade Masking Tape

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.



55 YARD ROLLS

Unit	Grit	Price Per	
3/4"	MTAPE4309-075	Roll	$4.71
		Sleeve	$70.93 ($4.42 per roll @16 rolls)
		Case	$399.67 ($4.18 per roll @96 rolls)
1"	MTAPE4309-100	Roll	$6.20
		Sleeve	$70.26 ($5.86 per roll @12 rolls)
		Case	$398.49 ($5.53 per roll @72 rolls)
1½"	MTAPE4309-150	Roll	$9.06
		Sleeve	$70.53 ($8.81 per roll @8 rolls)
		Case	$391.06 ($8.16 per roll @48 rolls)
2"	MTAPE4309-200	Roll	$12.16
		Sleeve	$68.57 ($11.41 per roll @6 rolls)
		Case	$381.39 ($10.58 per roll @36 rolls)

PG27 Tape

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.



60 YARD ROLLS

Unit	Grit	Price Per	
3/4"	MTAPE-PG27-075	Roll	$5.31
		Sleeve	$57.27 / 12 rolls ($4.79 per roll)
		Case	$209.62 / 48 rolls ($4.39 per roll)
1½"	MTAPE-PG27-150	Roll	$9.68
		Sleeve	$52.28/ 6 rolls ($8.73 per roll)
		Case	$191.46 / 24 rolls ($7.97 per roll)
2"	MTAPE-PG27-200	Roll	$13.57
		Sleeve	$73.22 / 6 rolls ($12.21 per roll)
		Case	$269.20 / 24 rolls ($11.25 per roll)

Gold Standard Masking Tape

KLINGSPOR's 777 Gold Standard Performance Tape is a masking tape that has been designed for high temperatures, automotive and industrial applications. KLINGSPOR's 777 is solvent and thinner resistant, provides instant adhesion, possesses excellent adhesion properties and sticks to a wide variety of irregularly shaped surfaces. KLINGSPOR's 777 possesses good mechanical strength and is compatible with solvent and water paints and leaves no adhesive transfer when removed. Exceptional performance in automobile repair, professional body shops and various industrial applications.



FEATURES:

- 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.

60 YARD ROLLS

Unit	Grit	Price Per	
3/4"	MTAPE-777-075	Sleeve	$50.54 (12 rolls per sleeve)
		Case	$181.95 (48 rolls per case)
1½"	MTAPE-777-150	Sleeve	$50.54 (6 rolls per sleeve)
		Case	$181.95 (24 rolls per case)
2"	MTAPE-777-200	Sleeve	$67.31 (6 rolls per sleeve)
		Case	$242.31 (24 rolls per sleeve)



Sponge Box Square Pads

Sponge Box Square Pads are available in 2 material types: PS 73W aluminum oxide stearate and PL 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 ½ X 5 ½ square pads. This item was specifically developed to leave a soft scratch when profile sanding by hand. Sponge box square pads are ideal for every finishing department but it is not limited to just that.

This product in can be used in almost every hand sanding application.

Size	Grit	Item #	Price Per Box
4.5"X5.5	073 0180W	SPONGEBOX180	$65.00
130/RL	073 0220W	SPONGEBOX220	65.00
	073 0240W	SPONGEBOX240	65.00
	073 0320W	SPONGEBOX320	65.00
	073 0400W	SPONGEBOX400	65.00
	073 0600W	SPONGEBOX600	65.00
4.5"X5.5	035 0220W	SPONGEBOXPL35220	$56.60
130/RL	035 0320W	SPONGEBOXPL35320	56.60
	035 0400W	SPONGEBOXPL35400	56.60

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TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Flexible Sanding Pads







ULTRAFLEX SANDING PADS*

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	Grit	Price Per Pack
10 Pack	320	$16.22
	220	16.22
	180	16.22
	120	16.22
	100*	16.22
Case (250)	320	$365.23
	220	365.23
	180	365.23
	120	365.23
	100*	365.23

* Pads are available in ALUMINUM OXIDE in 100, 120, 180, 220, and 320 grit.
Pads are available in SILICON CARBIDE in 120, 180, 220, and 320 grit. Please specify when ordering.

SANDING SPONGES*

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.**

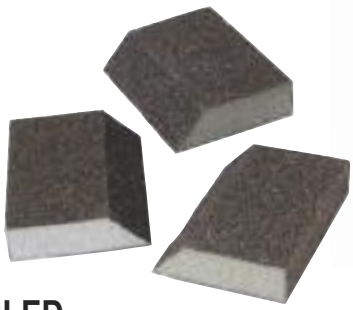
Unit	Grit	Price Per Pack
10 Pack	220	$16.22
	180	16.22
	120	16.22
	100	16.22
	80	16.22
	60	16.22
Case (250)	220	$365.23
	180	365.23
	120	365.23
	100	365.23
	80	365.23
	60	365.23

* Sponges are available in Aluminum Oxide only.

FOAM SANDING PADS

The Foam Sanding Pad can be used on severely profiled parts, because it is more flexible and much thinner. The foam pad measures 5" long, 4" wide 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.**

Unit	Grit	Price Per Pack
10 Pack	220	$16.22
	180	16.22
	120	16.22
	100	16.22
	80	16.22
	60	16.22
Case (250)	220	$365.23
	180	365.23
	120	365.23
	100	365.23
	80	365.23
	60	365.23



ANGLED SANDING SPONGES*

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	Grit	Price Per Pack
10 Pack	220	$20.55
	180	20.55
	120	20.55
	60	20.55
Case (100)	220	$175.59
	180	175.59
	120	175.59
	60	175.59

* Sponges are available in Aluminum Oxide only.

Fusion Foam



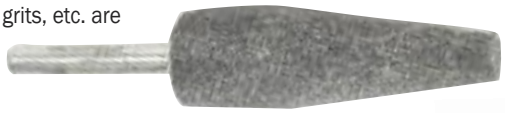
Diameter	Grit	Price Per Disc
3"	3500-2800	$3.36
5/Box	2500-1800	3.36
	1500-1200	3.36
	1200-800	3.36
5"	3500-2800	$5.25
5/Box	2500-1800	5.25
	1500-1200	5.25
	1200-800	5.25
6"	3500-2800	$6.68
5/Box	2500-1800	6.68
	1500-1200	6.68
	1200-800	6.68

new **New Fusion Foam Coming 1st Quarter 2017!**

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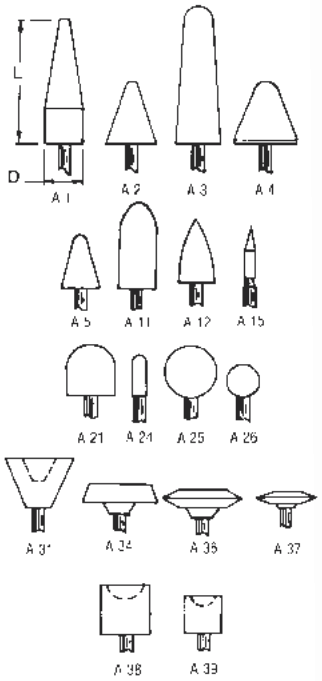
Mounted Points

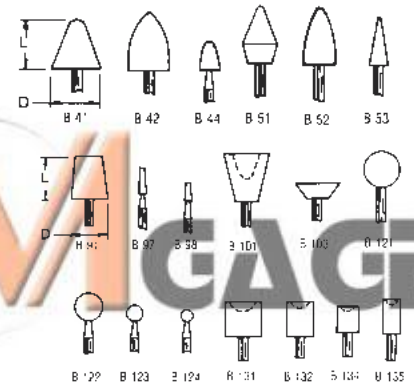
Klingspor's Mounted Points have been developed for safe, high performance use. Quality is consistently excellent, as you would expect from products with the Klingspor name. Over 100 different shapes and a variety of sizes, bonds, grits, etc. are available to suit virtually any metal grinding need.



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 1/2"	19,800	60	60	$63.80
A2	1" x 1 1/4"	38,200	60	60	39.01
A3	1" x 2 3/4"	16,100	60	60	69.18
A3	1" x 2 3/4"	16,100	36	36	69.18
A4	1 1/4" x 1 1/4"	30,560	60	60	36.87
A5	3/4" x 1 1/8"	45,000	60	60	36.87
A11	7/8" x 2"	19,860	60	60	46.98
A11	7/8" x 2"	19,860	36	36	46.98
A12	11/16" x 1 1/4"	48,000	60	60	43.72
A14	11/16" x 7/8"	55,560	60	60	26.51
A15	1/4" x 1 1/16"	72,750	60	60	35.59
A21	1" x 1"	34,500	60	60	30.17
A24	1/4" x 3/4"	76,500	60	60	25.46
A25	1" x 1"	35,620	60	60	30.17
A26	5/8" x 5/8"	61,120	60	60	26.96
A31	1 3/8" x 1"	27,780	60	60	36.87
A32	1" x 5/8"	38,000	60	60	26.51
A34	1 1/2" x 3/8"	25,470	60	60	32.30
A36	1 5/8" x 3/8"	23,520	60	60	36.87
A37	1 1/4" x 1/4"	30,560	60	60	27.57
A38	1" x 1"	34,500	60	60	25.46
A39	3/4" x 3/4"	47,250	60	60	20.89







Group "B" Special Shapes - 1/8" Shanks

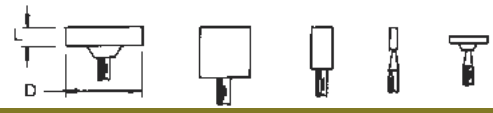
Shape	Dia x Length	Max RPM	Red	Blue	Price Per Pack of 10
B41	5/8" x 5/8"	33,750	60	60	$26.96
B42	1/2" x 3/4"	33,750	60	60	25.46
B44	7/32" x 3/8"	68,400	60	60	23.51
B44	7/32" x 3/8"	68,400	90	90	23.51
B45	3/16" x 5/16"	104,250	90	90	21.53
B51	7/16" x 3/4"	45,370	60	60	25.46
B52	3/8" x 3/4"	45,370	60	60	25.46
B53	1/4" x 5/8"	60,000	60	60	25.46
B91	1/2" x 5/8"	34,500	60	60	20.89
B96	1/8" x 1/4"	105,000	90	90	20.09
B97	1/8" x 3/8"	105,000	90	90	23.51
B97	1/8" x 3/8"	105,000	120	120	23.51
B98	3/32" x 1/4"	105,000	90	90	26.96
B101	5/8" x 11/16"	33,750	60	60	25.46
B103	5/8" x 3/16"	61,120	60	60	23.51
B121	1/2" x 1/2"	45,370	60	60	23.51
B122	3/8" x 3/8"	61,650	60	60	20.89
B123	3/16" x 3/16"	104,250	90	90	20.89
B124	1/8" x 1/8"	105,000	90	90	18.77
B131	1/2" x 1/2"	34,500	60	60	18.77
B132	3/8" x 1/2"	45,370	60	60	18.77
B134	5/16" x 3/8"	61,650	60	60	18.77
B135	1/4" x 1/2"	60,000	60	60	18.77

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Mounted Points

Group "W" Plain Shapes



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	$16.79
W142	3/32" x 1/4"	1/8"	105,000	120	120	16.79
W144	1/8" x 1/4"	1/8"	105,000	60	60	16.79
W145	1/8" x 3/8"	1/8"	105,000	60	60	18.77
W146	1/8" x 1/2"	1/8"	105,000	60	60	18.77
W152	3/16" x 1/4"	1/8"	105,000	60	60	16.79
W153	3/16" x 3/8"	1/8"	80,850	60	60	18.77
W154	3/16" x 1/2"	1/8"	70,500	60	60	18.77
W160	1/4" x 1/4"	1/8"	81,370	60	60	16.79
W162	1/4" x 3/8"	1/8"	68,400	60	60	18.77
W163	1/4" x 1/2"	1/8"	60,000	60	60	18.77
W164	1/4" x 3/4"	1/8"	45,900	60	60	19.42
W175	3/8" x 3/8"	1/8"	54,000	60	60	18.77
W176	3/8" x 1/2"	1/8"	45,370	60	60	18.77
W178	3/8" x 1"	1/8"	26,250	60	60	20.89
W179	3/8" x 1 1/4"	1/4"	45,750+	60	60	26.96
W185	1/2" x 1/2"	1/8"	34,500	60	60	18.77
W186	1/2" x 3/4"	1/8"	26,250	60	60	19.42
W187	1/2" x 1"	1/8"	20,620	60	60	20.89
W188	1/2" x 1 1/2"	1/4"	30,370+	60	60	32.30
W189	1/2" x 2"	1/4"	24,000+	60	60	40.28
W200	3/4" x 1/8"	1/8"	50,930	60	60	18.77
W204	3/4" x 3/4"	1/4"	18,900+	60	60	20.89
W205	3/4" x 1"	1/4"	34,900+	60	60	23.51
W206	3/4" x 1 1/4"	1/4"	28,720	60	60	26.51
W208	3/4" x 2"	1/4"	18,750+	60	60	42.25
W210	7/8" x 1/16"	1/8"	43,650	120	120	18.13
W215	1" x 1/8"	1/8"	38,200	60	60	19.42
W218	1" x 1/2"	1/4"	38,200+	60	60	20.89
W219	1" x 3/4"	1/4"	35,100+	60	60	23.51
W220	1" x 1"	1/4"	25,500+	60	60	25.46
W221	1" x 1 1/2"	1/4"	19,120+	60	60	35.59
W222	1" x 2"	1/4"	15,900+	60	60	43.72
W225	1 1/4" x 1/4"	1/4"	30,560+	60	60	23.51
W235	1 1/2" x 1/4"	1/4"	25,470+	60	60	25.46
W236	1 1/2" x 1/2"	1/4"	25,470+	60	60	26.96
W242	2" x 1"	1/4"	19,100+	60	60	40.28

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.



SPIRAL BANDS FOR OSCILLATING SPINDLE SANDERS

Dia x Width	Grit	Price Per Box
1/2" x 4 1/2"	150	$19.03
10/Box	100	19.03
	60	19.21
3/4" x 4 1/2"	150	$20.09
10/Box	100	20.09
	60	20.45
1" x 4 1/2"	150	$20.95
10/Box	100	20.95
	60	22.16
1 1/2" x 4 1/2"	150	$22.49
10/Box	100	22.49
	60	23.04
2" x 4 1/2"	150	$30.64
10/Box	100	30.64
	60	32.00
3" x 4 1/2"	150	$34.78
10/Box	100	34.78
	60	36.52
1/2" x 9"	150	$40.35
10/Box	100	40.35
	60	40.70
3/4" x 9"	150	$42.92
10/Box	100	42.92
	60	43.80
1" x 9"	150	$45.01
10/Box	100	45.01
	60	46.90
1 1/2" x 9"	150	$48.12
10/Box	100	48.12
	60	49.82
2" x 9"	150	$52.96
10/Box	100	52.96
	60	55.72
3" x 9"	150	$60.94
10/Box	100	60.94
	60	64.39

Cloth Spiral 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	$15.34
25/Box	100	15.34
	60	15.34
1/2" x 1"	150	$15.77
25/Box	100	15.77
	60	15.77
1/2" x 1 1/2"	150	■
25/Box	100	17.08
	60	17.08
1/2" x 2"	150	$22.34
25/Box	100	22.34
	60	22.34
3/4" x 1"	150	$15.77
25/Box	100	15.77
	60	15.77
3/4" x 1 1/2"	150	■
25/Box	100	■
	60	18.42
3/4" x 3"	150	■
25/Box	100	35.57
	60	■
1" x 1"	150	$16.65
25/Box	100	16.65
	60	17.08
1" x 1 1/2"	150	$18.85
25/Box	100	18.85
	60	19.27
1" x 2"	150	$25.85
25/Box	100	25.85
	60	27.16
1" x 3"	150	$38.11
25/Box	100	38.11
	60	39.44
1 1/2" x 1"	150	$17.08
25/Box	100	17.08
	60	17.97
1 1/2" x 1 1/2"	150	$19.73
25/Box	100	19.73
	60	20.16
1 1/2" x 2"	150	$27.60
25/Box	100	27.60
	60	28.17
1 1/2" x 2 1/2"	150	■
25/Box	100	■
	60	34.62

Dia x Width	Grit	Price Per Box
1 1/2" x 3"	150	$40.75
25/Box	100	40.75
	60	42.06
2" x 1"	150	$18.85
25/Box	100	18.85
	60	19.27
2" x 1 1/2"	150	$22.34
25/Box	100	22.34
	60	24.09
2" x 2"	150	$30.20
25/Box	100	30.20
	60	31.55
2" x 3"	150	$45.13
25/Box	100	45.13
	60	47.32

Also available in Alumina Zirconia - call for pricing

Rubber Drums

For use with cloth spiral bands.

Size	Max RPM	Price Per Drum
1/2" x 1/2" x 1/4"	30,000	$7.24
1/2" x 1" x 1/4"	15,000	7.24
3/4" x 1" x 1/4"	13,000	7.24
3/4" x 1 1/2" x 1/4"	10,000	9.24
3/4" x 2" x 1/4"	9,000	10.51
1" x 1" x 1/4"	18,000	7.48
1" x 1 1/2" x 1/4"	10,000	9.24
1" x 2" x 1/4"	8,000	10.51
1" x 3" x 1/4"	6,000	13.63
1 1/2" x 1" x 1/4"	14,000	9.51
1 1/2" x 1 1/2" x 1/4"	10,000	10.51
1 1/2" x 2" x 1/4"	7,000	15.65
2" x 1" x 1/4"	11,000	10.51
2" x 1 1/2" x 1/4"	8,000	15.68
2" x 2" x 1/4"	6,000	20.89
2" x 3" x 1/4"	4,000	23.29

Common sizes listed - call for others.



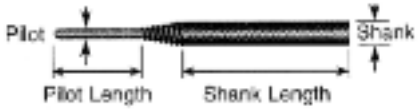
Cartridge Rolls

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	$60.25
CR0801038AST	3/8" x 1 1/2" x 1/8"	25,000	80	2	Straight A/O	62.10
CR1201038AST	3/8" x 1 1/2" x 1/8"	25,000	120	2	Straight A/O	62.10
CR1801038AST	3/8" x 1 1/2" x 1/8"	25,000	180	2	Straight A/O	65.93
CR0601225AST	1/2" x 1" x 1/8"	25,000	60	1	Straight A/O	54.59
CR0801225AST	1/2" x 1" x 1/8"	25,000	80	1	Straight A/O	56.51
CR1201225AST	1/2" x 1" x 1/8"	25,000	120	1	Straight A/O	58.36
CR2401225AST	1/2" x 1" x 1/8"	25,000	240	1	Straight A/O	60.25
CR0401238AST	1/2" x 1 1/2" x 1/8"	25,000	40	2	Straight A/O	77.22
CR0601238AST	1/2" x 1 1/2" x 1/8"	25,000	60	2	Straight A/O	75.29
CR0801238AST	1/2" x 1 1/2" x 1/8"	25,000	80	2	Straight A/O	77.22
CR1201238AST	1/2" x 1 1/2" x 1/8"	25,000	120	2	Straight A/O	77.22
CR1801238AST	1/2" x 1 1/2" x 1/8"	25,000	180	2	Straight A/O	82.86
CR2401238AST	1/2" x 1 1/2" x 1/8"	25,000	240	2	Straight A/O	84.73
CR0601250AST	1/2" x 2" x 1/8"	25,000	60	3	Straight A/O	92.25
CR0801250AST	1/2" x 2" x 1/8"	25,000	80	3	Straight A/O	94.14
CR1201250AST	1/2" x 2" x 1/8"	25,000	120	3	Straight A/O	96.05
CR0602038AST	3/4" x 1 1/2" x 1/8"	25,000	60	2	Straight A/O	128.05
CR0802038AST	3/4" x 1 1/2" x 1/8"	25,000	80	2	Straight A/O	128.05
CR0602038BST	3/4" x 1 1/2" x 1/4"	25,000	60	4	Straight A/O	128.05
CR0802038BST	3/4" x 1 1/2" x 1/4"	25,000	80	4	Straight A/O	129.92
CR1202038BST	3/4" x 1 1/2" x 1/4"	25,000	120	4	Straight A/O	133.69
CR1002050AST	3/4" x 2" x 1/8"	25,000	100	3	Straight A/O	177.02
CR1202050AST	3/4" x 2" x 1/8"	25,000	120	3	Straight A/O	177.02
CR0601025AFT	3/8" x 1" x 1/8"	25,000	60	1	Full Taper A/O	94.14
CR0801025AFT	3/8" x 1" x 1/8"	25,000	80	1	Full Taper A/O	97.89
CR1201025AFT	3/8" x 1" x 1/8"	25,000	120	1	Full Taper A/O	99.81
CR1801025AFT	3/8" x 1" x 1/8"	25,000	180	1	Full Taper A/O	99.81
CR0501038AFT	3/8" x 1 1/2" x 1/8"	25,000	50	2	Full Taper A/O	103.57
CR0801038AFT	3/8" x 1 1/2" x 1/8"	25,000	80	2	Full Taper A/O	103.57
CR1201038AFT	3/8" x 1 1/2" x 1/8"	25,000	120	2	Full Taper A/O	103.57
CR0601225AFT	1/2" x 1" x 1/8"	25,000	60	1	Full Taper A/O	99.81
CR0801225AFT	1/2" x 1" x 1/8"	25,000	80	1	Full Taper A/O	103.57
CR0361238AFT	1/2" x 1 1/2" x1/8"	25,000	36	2	Full Taper A/O	114.88
CR0601238AFT	1/2" x 1 1/2" x 1/8"	25,000	60	2	Full Taper A/O	109.22
CR0801238AFT	1/2" x 1 1/2" x 1/8"	25,000	80	2	Full Taper A/O	111.09
CR1201238AFT	1/2" x 1 1/2" x 1/8"	25,000	120	2	Full Taper A/O	111.09
CR1801238AFT	1/2" x 1 1/2" x 1/8"	25,000	180	2	Full Taper A/O	114.88
CR0601250AFT	1/2" x 2" x 1/8"	25,000	60	3	Full Taper A/O	116.76
CR0801250AFT	1/2" x 2" x 1/8"	25,000	80	3	Full Taper A/O	120.54
CR1201250AFT	1/2" x 2" x 1/8"	25,000	120	3	Full Taper A/O	122.40



Also available in Alumina Zirconia - call for pricing





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

MANDRELS - *CALL FOR OTHER SIZES*

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"	$3.79
2	CRMANDREL710190	1/8"	1"	1/4"	1 1/4"	2 3/4"	3.79
3	CRMANDREL708875	1/8"	1 1/2"	1/4"	1 1/4"	3 1/4"	3.79
4	CRMANDREL712584	1/4"	1"	1/4"	1 1/4"	3"	3.79

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.



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	$12.04
6" dia. with 1/2" arbor	2,500 - 3,000	5,000	20.66

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"	$11.31	Reusable arbor - 1/4"	$12.05

Wire Brushes and Wheels



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	$19.71
KWW-165746	2"	Crimp Wheel CS	.006	1/4" shank	25,000	$16.96
KWW-164736	2"	Crimp Wheel CS	.012	1/4" shank	25,000	$17.38
KWW-167131	2-1/2"	Crimp Wheel CS	.012	1/4" shank	25,000	$17.68
KWW-164916	3"	Crimp Wheel CS	.012	1/4" shank	25,000	$18.64
KWW-165696	3"	Crimp Wheel SS	.014	1/4" shank	25,000	$26.47

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	$33.44
KWW-039831	4"	Knot Wheel CS	.014	1/4 Shank	20,000	$57.76



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	$12.09
KWW-110581	3"	Crimp Wheel CS	.008	1/2"	20,000	$13.59
KWW-111791	3"	Crimp Wheel CS	.012	1/2"-3/8"	20,000	$17.12
KWW-162651	3"	Crimp Wheel SS	.006	1/2"	20,000	$29.80
KWW-110971	3"	Crimp Wheel SS	.014	1/2"-3/8"	20,000	$20.32



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	$55.25
KWW-210332	8"	Crimp Wheel CS	1"	.014	2" - 5/8"	4,500	$39.38
KWW-220911	8"	Crimp Wheel CS	1-1/2"	.014	1-1/4"*	4,500	$80.95

* ADAPTORS FOR ARBOR REDUCTION
KWW-ADAPTOR1/2, KWW-ADAPTOR3/4, KWW-ADATOR5/8

IMAGES

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SITIO WEB: www.mgages.mx

Wire Brushes and Wheels



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	$28.62
KWW-322341	3"	Crimp Cup CS	.014	5/8-11	14,000	$28.62
KWW-099921	4"	Crimp Cup CS	.014	5/8-11	9,000	$51.92
KWW-099641	6"	Crimp Cup CS	.014	5/8-11	6,600	$58.57



TWISTED KNOT CUP BRUSH

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR HOLE	MAX RPM	PRICE EACH
KWW-333401	2-3/4"	Knot Cup CS	.014	5/8-11	14,000	$31.70
KWW-334731	2-3/4"	Knot Cup CS	.020	5/8-11	14,000	$32.56
KWW-334791	2-3/4"	Knot Cup SS	.020	5/8-11	14,000	$46.52
KWW-037261	4"	Knot Cup CS	.025	5/8-11	6,000	$58.75
KWW-330211	6"	Knot Cup CS	.035	5/8-11	6,600	$93.47



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	$23.32
KWW-263351	4"	Knot Wheel CS	.020	5/8-11	20,000	$23.26
KWW-265931	4"	Knot Wheel SS	.014	5/8-11	20,000	$34.98
KWW-264011	4"	Knot Wheel SS	.020	3/8-24	20,000	$42.64
KWW-039881	6"	Knot Wheel CS	.025	5/8	9,000	$39.62
KWW-264871	4"	Cable Knot Wheel CS	.020	5/8-11	20,000	$26.64
KWW-263411	4"	Cable Knot Wheel SS	.020	5/8-11	20,000	$51.55



STRINGER BEAD

ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	ARBOR	MAX RPM	PRICE EACH
KWW-266111	4"	Stringer Bead Wheel CS	.020	5/8-11	20,000	$28.36
KWW-266161	4"	Stringer Bead Wheel SS	.020	5/8-11	20,000	$40.13
KWW-031611	6"	Stringer Bead Wheel CS	.020	5/8-11	12,000	$38.11
KWW-031621	6"	Stringer Bead Wheel SS	.020	5/8-11	12,000	$43.22



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	$25.40

MGAGES

Wire Brushes and Wheels

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	$11.44
KWW-029511	1"	Crimp End CS	.014	1/4" shank	20,000	$6.36
KWW-026511	1"	Crimp End CS	.020	1/4" shank	22,000	$5.52
KWW-301721	1"	Crimp End SS	.014	1/4" shank	22,000	$24.08
KWW-301581	3/4"	Crimp End CS	.006	1/4" shank	22,000	$8.06
KWW-301601	3/4"	Crimp End CS	.014	1/4" shank	22,000	$5.42
KWW-301611	3/4"	Crimp End CS	.020	1/4" shank	22,000	$8.52
KWW-301661	3/4"	Crimp End SS	.006	1/4" shank	22,000	$8.26
KWW-301681	3/4"	Crimp End SS	.014	1/4" shank	22,000	$8.52
KWW-301911	1/2"	Crimp End CS	.006	1/4" shank	25,000	$6.36
KWW-301941	1/2"	Crimp End CS	.014	1/4" shank	25,000	$6.36
KWW-301951	1/2"	Crimp End CS	.020	1/4" shank	25,000	$3.18
KWW-301741	1/2"	Crimp End SS	.006	1/4" shank	25,000	$8.48
KWW-301971	1/2"	Crimp End SS	.014	1/4" shank	25,000	$8.06

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	$21.62
KWW-027251	3/4"	Crimp End SS	.014	1/4" shank SCUF	22,000	$22.23

KNOT END BRUSH



ITEM NUMBER	DIA	DESCRIPTION	WIRE SIZE	SHANK	MAX RPM	PRICE EACH
KWW-026541	1"	Knot End CS	.014	1/4" shank	22,000	$12.44
KWW-026521	1"	Knot End CS	.020	1/4" shank	22,000	$12.93
KWW-027501	1"	Knot End SS	.014	1/4" shank	22,000	$6.36
KWW-027441	1"	Knot End SS	.020	1/4" shank	22,000	$18.57
KWW-301521	3/4"	Knot End CS	.014	1/4" shank	22,000	$11.66
KWW-027351	3/4"	Knot End CS	.020	1/4" shank	22,000	$9.96
KWW-027601	3/4"	Knot End SS	.014	1/4" shank	22,000	$5.08

SCRATCH BRUSHES



ITEM NUMBER	DESCRIPTION	AREA LENGTH	AREA WIDTH	OVERALL LENGTH	FILL DIA	FILL MATERIAL	WIRE ROWS	TRIM LENGTH	PRICE EACH
KWW-540221	Angle Back Wood	1-3/8"	1/4"	7-3/4"	.014	Stainless Steel	3 x 7	1/2	$3.82
KWW-830011	Long Handle Wood	5-1/2"	3/4"	13-3/4"	.014	Steel	3 x 19	1-1/8	$5.30
KWW-830031	Shoe Handle Wood	4-1/2"	7/8"	9-1/2"	.014	Steel	4 x 16	1-1/8	$5.08
KWW-830071	Long Handle Wood	5-1/2"	3/4"	13-3/4"	.014	Stainless Steel	3 x 19	1-1/8	$5.94
KWW-830081	Shoe Handle Wood	4-1/2"	7/8"	9-1/2"	.012	Stainless Steel	4 x 16	1-1/8	$5.08
KWW-831111	Angle Back Plastic	1-1/2"	1/4"	7-1/4"	.006	Stainless Steel	3 x 7	7/16	$4.16
KWW-831121	Angle Back Plastic	1-1/2"	1/4"	7-1/4"	.006	Brass	3 x 7	7/16	$3.82

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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 workpiece, 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.

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.

Size	Item#	Max. RPM	Grit	Density/Designation	List Price
6" x 1/2" x 1"	CFV60001	6,000	Fine SILICON CARBIDE	Hard Deburring 9SF	$66.97
	CFV60004	6,000	Fine SILICON CARBIDE	Medium Deburring 8SF	66.97
6" x 1" x 1"	CFV60002	6,000	Fine SILICON CARBIDE	Medium Deburring 8SF	93.75
	CFV60003	6,000	Fine SILICON CARBIDE	Hard Deburring 9SF	93.75
	CFV60005	6,000	Medium SILICON CARBIDE	Medium Deburring 8SM	93.75
8" x 1/2" x 3"	CFV80003	4,500	Fine SILICON CARBIDE	Medium Deburring 8SF	79.70
8" x 1" x 3"	CFV80001	4,500	Fine SILICON CARBIDE	Medium Deburring 8SF	117.25
	CFV80002	4,500	Fine SILICON CARBIDE	Hard Deburring 9SF	117.25
	CFV80006	4,500	Medium SILICON CARBIDE	Medium Deburring 8SM	117.25
8" x 2" x 3"	CFV80007	4,500	Medium SILICON CARBIDE	Medium Deburring 8SM	204.45
12" x 1" x 5"	CFV12001	3,000	Fine SILICON CARBIDE	Hard Deburring 9SF	168.61
	CFV12003	3,000	Fine SILICON CARBIDE	Medium Deburring 8SF	168.61
12" x 2" x 5"	CFV12002	3,000	Fine SILICON CARBIDE	Hard Deburring 9SF	299.70

Convolute Competitive Comparisons

KLINGSPOR	3M	Norton
Deburring Hard S/C Fine	EXL Deburring 9SF	Series 1000 - 1 - 9SF
Deburring Medium S/C Fine	EXL Deburring 8SF	Series 1000 - 1 - 8SF
Deburring Medium S/C Medium	EXL Deburring 8SM	Series 1000 - 1 - 8SM

Mounting Bushings

Description	Item#	Price
6" Wheel Bushing 1" to 3/8"	611BUSH1X3/8	$2.13
6" Wheel Bushing 1" to 1/2"	611BUSH1X1/2	2.13
6" Wheel Bushing 1" to 3/4"	611BUSH1X3/4	2.13

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

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SITIO WEB: www.mgages.mx

Unitized Wheels



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

Unitized Wheels

1/4" THICK

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

1/2" THICK

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

1" THICK

2AM – Low Density, Medium Grit AO
4SF – Medium Density, Fine Grit SiC
8AM – High Density, Medium Grit AO



*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

ARBOR 1/2X1/4FH

Size	Item #	Price
2" X 1/4" X 1/2" Max RPM 18,000	UW2AM2X.25X.5	$8.25
	UW2SF2X.25X.5	$8.25
	UW3SF2X.25X.5	$8.25
	UW4AF2X.25X.5	$8.25
	UW4SF2X.25X.5	$8.25
	UW6AF2X.25X.5	$8.25
	UW6SF2X.25X.5	$8.25
	UW8AM2X.25X.5	$8.25
	UW9AC2X.25X.5	$8.25

Size	Item #	Price
3" X 1/4" X 1/2" Max RPM 12,000	UW2AM3X.25X.5	$10.25
	UW2SF3X.25X.5	$10.25
	UW3SF3X.25X.5	$10.25
	UW4AF3X.25X.5	$10.25
	UW4SF3X.25X.5	$10.25
	UW6AF3X.25X.5	$10.25
	UW6SF3X.25X.5	$10.25
	UW8AM3X.25X.5	$10.25
	UW9AC3X.25X.5	$10.25

Size	Item #	Price
4" X 1/4" X 1/2" Max RPM 12,000	UW2AM4X.25X.5	$23.50
	UW2SF4X.25X.5	$23.50
	UW3SF4X.25X.5	$23.50
	UW4AF4X.25X.5	$23.50
	UW4SF4X.25X.5	$23.50
	UW6AF4X.25X.5	$23.50
	UW6SF4X.25X.5	$23.50
	UW8AM4X.25X.5	$23.50
	UW9AC4X.25X.5	$23.50



ARBOR 1/4-3/81/4SL

Size	Item #	Price
2" X 1/4" X 1/4" Max RPM 18,000	UW2AM2X.25X.25	$8.25
	UW2SF2X.25X.25	$8.25
	UW3SF2X.25X.25	$8.25
	UW4AF2X.25X.25	$8.25
	UW4SF2X.25X.25	$8.25
	UW6AF2X.25X.25	$8.25
	UW6SF2X.25X.25	$8.25
	UW8AM2X.25X.25	$8.25
	UW9AC2X.25X.25	$8.25

Size	Item #	Price
3" X 1/4" X 1/4" Max RPM 12,000	UW2AM3X.25X.25	$10.25
	UW2SF3X.25X.25	$10.25
	UW3SF3X.25X.25	$10.25
	UW4AF3X.25X.25	$10.25
	UW4SF3X.25X.25	$10.25
	UW6AF3X.25X.25	$10.25
	UW6SF3X.25X.25	$10.25
	UW8AM3X.25X.25	$10.25
	UW9AC3X.25X.25	$10.25

Size	Item #	Price
4" X 1/4" X 1/4" Max RPM 12,000	UW2AM4X.25X.25	$23.50
	UW2SF4X.25X.25	$23.50
	UW3SF4X.25X.25	$23.50
	UW4AF4X.25X.25	$23.50
	UW4SF4X.25X.25	$23.50
	UW6AF4X.25X.25	$23.50
	UW6SF4X.25X.25	$23.50
	UW8AM4X.25X.25	$23.50
	UW9AC4X.25X.25	$23.50

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Unitized Wheels



Die Grinder Wheel Options: 1/2" Thick Arbor1/4x1/4NL

Size	Item #	Price
2" X 1/2" X 1/4"	UW2AM2X.5X.25	$12.25
Max RPM 18,000	UW2SF2X.5X.25	$12.25
	UW3SF2X.5X.25	$12.25
	UW4AF2X.5X.25	$12.25
	UW4SF2X.5X.25	$12.25
	UW6AF2X.5X.25	$12.25
	UW6SF2X.5X.25	$12.25
	UW8AC2X.5X.25	$12.25
	UW8AM2X.5X.25	$12.25

Size	Item #	Price
2" X 1/2" X 1/4"	UW2AM3X.5X.25	$16.50
Max RPM 18,000	UW2SF3X.5X.25	$16.50
	UW3SF3X.5X.25	$16.50
	UW4AF3X.5X.25	$16.50
	UW4SF3X.5X.25	$16.50
	UW6AF3X.5X.25	$16.50
	UW6SF3X.5X.25	$16.50
	UW8AC3X.5X.25	$16.50
	UW8AM3X.5X.25	$16.50

Size	Item #	Price
2" X 1/2" X 1/4"	UW2AM4X.5X.25	$27.50
Max RPM 18,000	UW2SF4X.5X.25	$27.50
	UW3SF4X.5X.25	$27.50
	UW4AF4X.5X.25	$27.50
	UW4SF4X.5X.25	$27.50
	UW6AF4X.5X.25	$27.50
	UW6SF4X.5X.25	$27.50
	UW8AC4X.5X.25	$27.50
	UW8AM4X.5X.25	$27.50

Quick Change Wheels – QRC's and QDC's



Size	Item #	Price
1" X 1/4"	QDCUD2AM100	$7.25
Max RPM 18,000	QDCUD2SF100	$7.25
	QDCUD3SF100	$7.25
	QDCUD4AF100	$7.25
	QDCUD4SF100	$7.25
	QDCUD6AF100	$7.25
	QDCUD6SF100	$7.25
	QDCUD8AM100	$7.25
	QDCUD9AC100	$7.25

Size	Item #	Price
1-1/2" X 1/4"	(QR)(QD)CUD2AM150	$7.75
Max RPM 18,000	(QR)(QD)CUD2SF150	$7.75
	(QR)(QD)CUD3SF150	$7.75
	(QR)(QD)CUD4AF150	$7.75
	(QR)(QD)CUD4SF150	$7.75
	(QR)(QD)CUD6AF150	$7.75
	(QR)(QD)CUD6SF150	$7.75
	(QR)(QD)CUD8AM150	$7.75
	(QR)(QD)CUD9AC150	$7.75

Size	Item #	Price
2" X 1/4"	(QR)(QD)CUD2AM200	$8.50
Max RPM 18,000	(QR)(QD)CUD2SF200	$8.50
	(QR)(QD)CUD3SF200	$8.50
	(QR)(QD)CUD4AF200	$8.50
	(QR)(QD)CUD4SF200	$8.50
	(QR)(QD)CUD6AF200	$8.50
	(QR)(QD)CUD6SF200	$8.50
	(QR)(QD)CUD8AM200	$8.50
	(QR)(QD)CUD9AC200	$8.50



Size	Item #	Price
3" X 1/4"	(QR)(QD)CUD2AM300	$10.50
Max RPM 18,000	(QR)(QD)CUD2SF300	$10.50
	(QR)(QD)CUD3SF300	$10.50
	(QR)(QD)CUD4AF300	$10.50
	(QR)(QD)CUD4SF300	$10.50
	(QR)(QD)CUD6AF300	$10.50
	(QR)(QD)CUD6SF300	$10.50
	(QR)(QD)CUD8AM300	$10.50
	(QR)(QD)CUD9AC300	$10.50

Size	Item #	Price
4" X 1/4"	(QR)(QD)CUD2AM400	$24.00
Max RPM 12,000	(QR)(QD)CUD2SF400	$24.00
	(QR)(QD)CUD3SF400	$24.00
	(QR)(QD)CUD4AF400	$24.00
	(QR)(QD)CUD4SF400	$24.00
	(QR)(QD)CUD6AF400	$24.00
	(QR)(QD)CUD6SF400	$24.00
	(QR)(QD)CUD8AM400	$24.00
	(QR)(QD)CUD9AC400	$24.00



Type 27 Angle Grinder Disc Options

Size	Item #	Price
4-1/2" X 7/8"	UW2AM4.5X.875	$29.00
Max RPM 12,200	UW2SF4.5X.875	$29.00
	UW3SF4.5X.875	$29.00
	UW4AF4.5X.875	$29.00
	UW4SF4.5X.875	$29.00
	UW6AF4.5X.875	$29.00
	UW6SF4.5X.875	$29.00
	UW8AC4.5X.875	$29.00
	UW8AM4.5X.875	$29.00

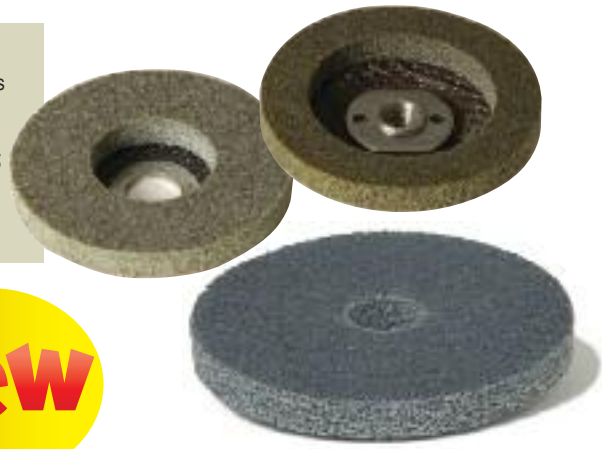
Size	Item #	Price
4-1/2" X 5/8"-11	UW2AM4.5x.875A	$30.50
Max RPM 12,200	UW2SF4.5X.875A	$30.50
	UW3SF4.5X.875A	$30.50
	UW4AF4.5X.875A	$30.50
	UW4SF4.5X.875A	$30.50
	UW6AF4.5X.875A	$30.50
	UW6SF4.5X.875A	$30.50
	UW8AC4.5X.875A	$30.50
	UW8AM4.5X.875A	$30.50

Unitized Wheels

Type 27 Depressed Center Unitized Wheels

Size	Series 632	Series 811	Series 821
4½" x 7/8"	$26.48	$32.26	$29.88

TYPE	DENSITY	GRADE	GRAIN	APPLICATION
Series 632	Medium	Fine	S/C	Use light pressure for fine finishing and polishing; is highly conformable; provides clean bright stainless finishes; blends tool marks and removes slight surface imperfections.
Series 811	Hard	Coarse	A/O	Highest stock removal and edge-breaking capability; most aggressive for deburring.
Series 821	Hard	Medium	A/O	Provides high stock removal while maintaining disc life and productivity; very durable on an edge.



Unitized discs great for polishing brass. Excellent for food grade stainless steel

Unitized discs excellent for aluminum sign mfrs, blending weld marks.

new

Bench / Pedestal Wheel Options – 1" thick

Size	Item #	Price
6" X 1" X 1"	UW2AM6X1X1	$75.50
Max RPM 6,000	UW4SF6X1X1	$75.50
	UW8AM6X1X1	$75.50

Size	Item #	Price
6" X 1" X 5/8"	UW2AM6X1X.625	$75.50
Max RPM 6,000	UW4SF6X1X.625	$75.50
	UW8AM6X1X.625	$75.50

Size	Item #	Price
6" X 1" X 3/4"	UW2AM6X1X.75	$75.50
Max RPM 6,000	UW4SF6X1X.75	$75.50
	UW8AM6X1X.75	$75.50

Bench / Pedestal Wheel Options – 1/2" thick

Size	Item #	Price
6" X 1/2" X 1"	UW2AM6X.5X1	$54.50
Max RPM 6,000	UW2SF6X.5X1	$54.50
	UW3SF6X.5X1	$54.50
	UW4AF6X.5X1	$54.50
	UW4SF6X.5X1	$54.50
	UW6AF6X.5X1	$54.50
	UW6SF6X.5X1	$54.50
	UW8AC6X.5X1	$54.50
	UW8AM6X.5X1	$54.50

Size	Item #	Price
6" X 1/2" X 5/8"	UW2AM6X.5X.625	$54.50
Max RPM 6,000	UW2SF6X.5X.625	$54.50
	UW3SF6X.5X.625	$54.50
	UW4AF6X.5X.625	$54.50
	UW4SF6X.5X.625	$54.50
	UW6AF6X.5X.625	$54.50
	UW6SF6X.5X.625	$54.50
	UW8AC6X.5X.625	$54.50
	UW8AM6X.5X.625	$54.50

Size	Item #	Price
6" X 1/2" X 3/4"	UW2AM6X.5X.75	$54.50
Max RPM 6,000	UW2SF6X.5X.75	$54.50
	UW3SF6X.5X.75	$54.50
	UW4AF6X.5X.75	$54.50
	UW4SF6X.5X.75	$54.50
	UW6AF6X.5X.75	$54.50
	UW6SF6X.5X.75	$54.50
	UW8AC6X.5X.75	$54.50
	UW8AM6X.5X.75	$54.50

Bench / Pedestal Wheel Options – 1/4" thick

Size	Item #	Price
6" X 1/4" X 1/2"	UW2AM6X.25X.5	$32.50
Max RPM 6,00	UW2SF6X.25X.5	$32.50
	UW3SF6X.25X.5	$32.50
	UW4AF6X.25X.5	$32.50
	UW4SF6X.25X.5	$32.50
	UW6AF6X.25X.5	$32.50
	UW6SF6X.25X.5	$32.50
	UW8AM6X.25X.5	$32.50
	UW9AC6X.25X.5	$32.50

Size	Item #	Price
6" X 1/4" X 5/8"	UW2AM6X.25X.625	$32.50
Max RPM 6,000	UW2SF6X.25X.625	$32.50
	UW3SF6X.25X.625	$32.50
	UW4AF6X.25X.625	$32.50
	UW4SF6X.25X.625	$32.50
	UW6AF6X.25X.625	$32.50
	UW6SF6X.25X.625	$32.50
	UW8AM6X.25X.625	$32.50
	UW9AC6X.25X.625	$32.50

Size	Item #	Price
6" X 1/4" X 7/8"	UW2AM6X.25X.875	$32.50
Max RPM 6,000	UW2SF6X.25X.875	$32.50
	UW3SF6X.25X.875	$32.50
	UW4AF6X.25X.875	$32.50
	UW4SF6X.25X.875	$32.50
	UW6AF6X.25X.875	$32.50
	UW6SF6X.25X.875	$32.50
	UW8AM6X.25X.875	$32.50
	UW9AC6X.25X.875	$32.50

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Sanding Stars



4" DIAMETER X 1/4" SHANK

Max RPM	Grit	Price
3200	80 Grit	$14.21
3200	100 Grit	14.21
3200	120 Grit	14.21
3200	150 Grit	14.21
3200	180 Grit	14.21
3200	220 Grit	14.21

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

Max RPM	Grit	Price
3200	80 Grit	$5.33
3200	100 Grit	5.33
3200	120 Grit	5.33
3200	150 Grit	5.33
3200	180 Grit	5.33
3200	220 Grit	5.33

Vonnegut Loadings



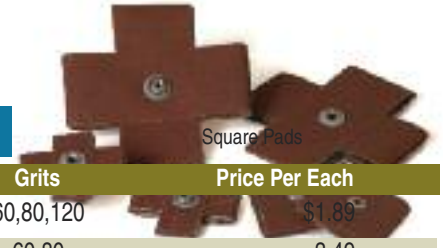
These loadings will completely fill an 8 head 32 brush unit, or will supply 2 loadings for the 4 head 16 brush unit.

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+	$191.72
6" x 19" (8 assemblies)	80+	222.05

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

Cross Pads



Square Pads

Square Pads

Size	Grits	Price Per Each
1" x 1" x 8 ply 8-32 eyelet	60,80,120	$1.89
1-1/2" x 1-1/2" x 1/2" 1/4-20 eyelet	60,80	3.49
2" x 2" x 1/2" 1/4-20 eyelet	60,80	4.70
2" x 2" x 3/4" 1/4-20 eyelet	50,80	4.70
3" x 3" x 1/4" 1/4-20 eyelet	80	5.15
3" x 3" x 1/2" 1/4-20 eyelet	50,60,80	5.15

Cross Pads

Size	Grits	Price Per Each
1-1/2" x 1-1/2" x 1/2" 8 ply 8-32 eyelet	60,80,100,120	$1.81
2" x 2" x 1/2" 8 ply 8-32 eyelet	60,80,120	1.86
2" x 2" x 3/4" 8 ply 8-32 eyelet	60,80,120	1.86
2" x 2" x 1" 8 ply 8-32 eyelet	120	1.86
2-1/4" x 2-1/4" x 1/2" 8 ply 8-32 eyelet	80	2.09
2-1/2" x 2-1/2" x 3/4" 8 ply 8-32 eyelet	80,120	2.20
3" x 3" x 1" 8 ply 1/4-20 eyelet	60,80,120	2.57
4" x 4" x 1" 8 ply 1/4-20 eyelet	60,80,120	3.30
4" x 4" x 1-1/2" 8 ply 1/4-20 eyelet	80,120	3.30

Flutter Sheets

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



Size	Grit	Price Per Sheet
2" x 4" x 1/2"	320-100	$0.38
8 End Slits	80	0.39
2" x 6" x 1/2"	320-100	$0.52
4 & 8 End Slits	80	0.56
3" x 9" x 1/2"	320-100	$1.16
6 End Slits	80	1.17
4" x 12" x 1"	320-100	$2.11
12 End Slits	80	2.19
4" x 12" x 1 1/4"	320-100	$2.11
12 End Slits	80	2.19
4" x 12" x 2"	320-100	$2.11
12 End Slits	80	2.19

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

FLUTTER ARBOR

	List Price
1/2" flutter arbor with 1/4" shank	$3.29 ea.
Flutter sheet spacers (1/2" ID x 3/4" OD) 10 pack	$6.38 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.

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SITIO WEB: www.mgages.mx

SM 611 Abrasive Flapwheels

Sand and finish wood or metal contoured parts with these large diameter flapwheels. More sizes available. * Do not require SMD 612 mounting plates. Bores from 1/2" to 1 1/4" available. Please specify bore size. All other SM 611 flapwheels must be used with SMD 612 Mounting Plates.

Dia x Width x Arbor	Grit	Price Per Flapwheel
4" x 2"	320	$39.37
9,500 RPM	240	39.37
	220	34.63
	180	34.63
	120	33.09
	100	33.09
	80	■
	60	29.05
	50	29.05
	40	29.05
5 1/2" x 1"	320	$34.63
6,800 RPM	240	34.63
	220	29.05
	180	29.05
	120	26.10
	100	26.10
	80	26.10
	60	23.47
	50	23.47
	40	■
5 1/2" x 2"	320	$48.75
6,800 RPM	240	48.75
	220	43.98
	180	43.98
	120	40.58
	100	40.58
	80	40.58
	60	34.63
	50	34.63
	40	34.63
* 6 1/2"x1"x1"	320	$42.41
5,800 RPM	240	42.41
	220	38.53
	180	38.53
	120	32.80
	100	32.80
	80	32.80
	60	29.88
	50	29.88
	40	29.88
* 6 1/2"x2"x1"	320	$69.26
5,800 RPM	240	69.26
	220	61.55
	180	61.55
	120	54.05
	100	54.05
	80	54.05
	60	45.27
	50	45.27
	40	45.27

Dia x Width x Arbor	Grit	Price Per Flapwheel
6 1/2" x 3"	320	$99.14
5,800 RPM	240	99.14
	220	■
	180	■
	120	73.31
	100	73.31
	80	73.31
	60	65.55
	50	■
	40	■
* 8" x 1" x 1"	320	$71.24
4,800 RPM	240	71.24
	220	■
	180	63.66
	120	56.29
	100	56.29
	80	56.29
	60	48.75
	50	48.75
	40	48.75
* 8"x1 3/16"x1"	320	■
4,800 RPM	240	■
	220	■
	180	71.24
	120	61.64
	100	61.24
	80	61.24
	60	56.29
	50	■
	40	■
* 8" x 2" x 1"	320	$123.57
4,800 RPM	240	■
	220	108.65
	180	108.65
	120	87.96
	100	87.96
	80	87.96
	60	73.19
	50	73.19
	40	■
10" x 1"	320	$102.71
3,800 RPM	240	102.71
	220	89.56
	180	89.56
	120	77.54
	100	77.54
	80	77.54
	60	61.16
	50	61.16
	40	61.16

Dia x Width x Arbor	Grit	Price Per Flapwheel
10" x 2"	320	$165.02
3,800 RPM	240	165.02
	220	145.81
	180	145.81
	120	126.00
	100	126.00
	80	126.00
	60	108.11
	50	■
	40	108.11
10" x 3"	320	$213.42
3,800 RPM	240	213.42
	220	183.18
	180	183.18
	120	162.50
	100	162.50
	80	162.50
	60	139.37
	50	■
	40	139.37
12" x 1 3/16"	320	$151.62
3,200 RPM	240	151.62
	220	139.37
	180	139.37
	120	■
	100	129.04
	80	129.04
	60	112.12
	50	112.12
	40	■
12" x 2"	320	$222.99
3,200 RPM	240	222.99
	220	193.99
	180	193.99
	120	162.50
	100	162.50
	80	162.50
	60	139.37
	50	139.37
	40	139.37
12" x 3"	320	■
3,200 RPM	240	$308.92
	220	265.64
	180	265.64
	120	217.77
	100	■
	80	217.77
	60	188.43
	50	188.43
	40	■

Dia x Width x Arbor	Grit	Price Per Flapwheel
14" x 2"	320	■
2,500 RPM	240	■
	220	$261.20
	180	■
	120	207.05
	100	207.05
	80	207.05
	60	181.58
	50	181.58
	40	181.58
14" x 3"	320	$456.21
2,500 RPM	240	456.21
	220	428.30
	180	428.30
	120	■
	100	297.02
	80	297.02
	60	■
	50	■
	40	■
16" x 2"	320	$398.79
2,300 RPM	240	■
	220	■
	180	356.13
	120	298.66
	100	298.66
	80	298.66
	60	246.19
	50	246.19
	40	246.19
16" x 3"	320	$552.99
2,300 RPM	240	552.99
	220	491.54
	180	491.54
	120	405.83
	100	■
	80	405.83
	60	334.71
	50	334.71
	40	334.71



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SMD 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"	$2\frac{3}{16}$"	$\frac{3}{8}$"	$\frac{3}{4}$"	$8.86
$5\frac{1}{2}$"	$2\frac{3}{16}$"	$\frac{3}{8}$"	$\frac{3}{4}$"	8.86
† * $6\frac{1}{2}$"	$3\frac{1}{8}$"	$\frac{1}{2}$"	$1\frac{11}{16}$"	8.86
†† 10"	$4\frac{3}{4}$"	$\frac{9}{16}$"	2"	20.95
12"	6"	$\frac{3}{4}$"	2"	31.99
14"	8"	1"	$3\frac{1}{8}$"	106.67
16"	9"	1"	$3\frac{1}{8}$"	119.29

⋆ Mac Mop mounting plate size. † Mounting Plate for 6 1/2" NCW 600 †† Mounting Plate for 8" NCW 600



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	$40.00
4,200 MAX RPM	180	40.00
	120	40.00
	80	40.00
7" x 2" x 1/4"	240	$45.72
4,200 MAX RPM	180	45.72
	120	45.72
	80	45.72

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
$4\frac{1}{2}$" x 3/4" x 5/8" - 11"	13,300	8,600	$22.90	22.90	21.61	21.61

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

KM 613 Spindle Mounted Flapwheels

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 $\frac{1}{2}$" x $\frac{1}{4}$"	30,000	$5.80
1" x 1" x $\frac{1}{4}$"	30,000	6.20
$1\frac{1}{2}$" x $\frac{1}{2}$" x $\frac{1}{4}$"	25,000	6.59
$1\frac{1}{2}$" x 1" x $\frac{1}{4}$"	25,000	7.38
2" x $\frac{1}{2}$" x $\frac{1}{4}$"	25,000	7.69
2" x $\frac{3}{4}$" x $\frac{1}{4}$"	25,000	8.08
2" x 1" x $\frac{1}{4}$"	25,000	8.69
$2\frac{1}{2}$" x $\frac{1}{2}$" x $\frac{1}{4}$"	20,000	8.23
$2\frac{1}{2}$" x 1" x $\frac{1}{4}$"	20,000	9.35
$2\frac{1}{2}$" x 2" x $\frac{1}{4}$"	20,000	13.52
3" x $\frac{1}{2}$" x $\frac{1}{4}$"	12,000	8.80
3" x $\frac{3}{4}$" x $\frac{1}{4}$"	12,000	10.15
3" x 1" x $\frac{1}{4}$"	12,000	10.89
3" x 2" x $\frac{1}{4}$"	12,000	15.29



Mac Mop

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

Dia x Width	Grit	Price Per Mop
10" x 2"	180	$159.86
3,400 MAX RPM	150	159.86
	120	138.19
	100	138.19
	80	138.19
10" x 4"	180	$284.52
3,400 MAX RPM	150	284.52
	120	235.39
	100	235.39
	80	235.39

Recommended RPM 1700 - 2500

KLINGSPOR Flap Brushes have proven themselves to be some of the best in the industry. With full production capabilities, a large variety of sizes and mounting methods are available in both full non-woven and interleaf options. The most popular are our 4-1/4" x 4" wheels with 3/4" keyway mounting or a 5/8-11" spin-on version. Also in the line-up are larger bench-mounted options in common sizes like 8" and 12" diameters. Finally, 1/4" spindle-mounted models are available as well.

NSF 600 Small Finishing Flapwheels

Non-woven abrasive wheels specifically for matte, satin and final finishing on metals.



Dia x Width x Spindle	Grit	Price Per Flapwheel
2 3/8" x 2" x 1/4"	Very Fine	$13.76
3,700 RPM	Medium	13.76
3 1/8" x 2" x 1/4"	Very Fine	17.13
3,700 RPM	Medium	16.41



NCW 600 Finishing Flapwheels

A very fine sanding form of flapwheel that conforms to contoured parts and puts a beautiful finish on most woods. Constructed of non-woven abrasive and flexible sandpaper. NCW 600 Finishing Flapwheels must be used with SMD 612 Mounting Plates.



Dia x Width x Spindle	Grit	Price Per Flapwheel
6 1/2" X 2"	180	$60.07
3,400 RPM	150	60.07
	100	60.07
	80	60.07
8" x 2"	180	$95.01
3,400 RPM	150	95.01
	100	95.01
	80	95.01

NCS 600 Small Finishing Flapwheels

Superb for final finish-sanding of small flat or contoured parts, in and around radii or into holes. These flapwheels produce a beautiful "burnished finish" on most woods.



SPINDLE MOUNTED

Dia x Width x Spindle	Grit	Price Per Flapwheel
2" x 1" x 1/4"	240 S/C	$14.03
12,000 RPM	150 A/O	14.31
	100 A/O	14.31
	60 A/O	14.31
3" x 1 3/4" x 1/4"	240 S/C	$30.96
8,000 RPM	150 A/O	31.58
	100 A/O	31.58
	60 A/O	31.48
4" x 1 3/4" x 1/4"	240 S/C	$36.19
6,000 RPM	150 A/O	■
	100 A/O	36.91
	60 A/O	36.91

S/C = Silicon Carbide • A/O = Aluminum Oxide

KLINGSPOR Flap Brush Part Order Number Reference Key (see pages 63 & 64)

1ST AND 2ND LETTERS:
Flap Brush Type
NF – Full Non-Woven
NI – Interleafed Non-Woven

3RD LETTER:
Arbor attachment
A – Spindle Mounted
B – 5/8"-11 Female Thread
C – 3/4" Keyway
E – 1" Arbor Hole
G – 3" Arbor Hole
H – 5" Arbor Hole

4TH AND 5TH LETTER:
Non-Woven Grade
XC – Extra Coarse
CR – Coarse
MD – Medium
VF – Very Fine

6TH LETTER:
Non-Woven Type
T – Light Weight
C & P –(Standard)
Z – Zirconia

7TH LETTER / NUMBER:
Brush Density
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

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SITIO WEB: www.mgages.mx



Spindle Mounted Brushes

Max RPM - 12,000

1" x 1/2"	$6.75
NFAXCTM-025015	
NFACRTM-025015	
NIACRTM060-025015	
NFAMDTM-025015	
NIAMDTM120-025015	
NFAMDZM-025015	
NFAVFTM-025015	
NIAVFTM180-025015	

1" x 1"	$6.75
NFAXCTM-025025	
NFACRTM-025025	
NIACRTM060-025025	
NFAMDTM-025025	
NIAMDTM120-025025	
NFAMDZM-025025	
NFAVFTM-025025	
NIAVFTM180-025025	

2" x 1"	$12.00
NFAXCTM-050025	
NFACRTM-050025	
NIACRTM060-050025	
NFAMDTM-050025	
NIAMDTM120-050025	
NFAMDZM-050025	
NFAVFTM-050025	
NIAVFTM180-050025	

2" x 2"	$24.00
NFAXCTM-050050	
NFACRTM-050050	
NIACRTM060-050050	
NFAMDTM-050050	
NIAMDTM120-050050	
NFAMDZM-050050	
NFAVFTM-050050	
NIAVFTM180-050050	

*Additional sizes are available upon request with minimum order requirements.

Max RPM - 8,000

3" x 1"	$16.50
NFAXCTM-075025	
NFACRTM-075025	
NIACRTM060-075025	
NFAMDTM-075025	
NIAMDTM120-075025	
NFAMDZM-075025	
NFAVFTM-075025	
NIAVFTM180-075025	

3" x 2"	$33.00
NFAXCTM-075050	
NFACRTM-075050	
NIACRTM060-075050	
NFAMDTM-075050	
NIAMDTM120-075050	
NFAMDZM-075050	
NFAVFTM-075050	
NIAVFTM180-075	

Buffing Brushes

(Brushes for Hand Held Buffers)



Brushes with 5/8"-11 Female Thread Max RPM - 4,500

4" x 2"	Price
NFBXCTM-100050	$43.00
NFBCRTM-100050	$43.00
NIBCRTM060-100050	$45.00
NFBMDTM-100050	$43.00
NIBMDTM120-100050	$45.00
NFBMDZM-100050	$43.00
NFBVFTM-100050	$43.00
NIBVFTM180-100050	$45.00

4" x 4"	Price
NFBXCTM-100100	$85.00
NFBCRTM-100100	$85.00
NIBCRTM060-100100	$90.00
NFBMDTM-100100	$85.00
NIBMDTM120-100100	$90.00
NFBMDZM-100100	$85.00
NFBVFTM-100100	$85.00
NIBVFTM180-100100	$90.00

4-1/4" x 4"	Price
NFBXCTM-110100	$85.00
NFBCRTM-110100	$85.00
NIBCRTM060-110100	$90.00
NFBMDTM-110100	$85.00
NIBMDTM120-110100	$90.00
NFBMDZM-110100	$85.00
NFBVFTM-110100	$85.00
NIBVFTM180-110100	$90.00



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

4" x 2"	Price
NFCXCTM-100050	$43.00
NFCCRTM-100050	$43.00
NICCRTM060-100050	$45.00
NFCMDTM-100050	$43.00
NICMDTM120-100050	$45.00
NFCMDZM-100050	$43.00
NFCVFTM-100050	$43.00
NICVFTM180-100050	$45.00

4" x 4"	Price
NFCXCTM-100100	$85.00
NFCCRTM-100100	$85.00
NICCRTM060-100100	$90.00
NFCMDTM-100100	$85.00
NICMDTM120-100100	$90.00
NFCMDZM-100100	$85.00
NFCVFTM-100100	$85.00
NICVFTM180-100100	$90.00

4-1/4" x 4"	Price
NFCXCTM-110100	$85.00
NFCCRTM-110100	$85.00
NICCRTM060-110100	$90.00
NFCMDTM-110100	$85.00
NICMDTM120-110100	$90.00
NFCMDZM-110100	$85.00
NFCVFTM-110100	$85.00
NICVFTM180-110100	$90.00

MGAGES

Bench & Pedestal Grinder Brushes

1" Arbor Hole Brushes
Max RPM - 3,500*

6" x 1" x 1"	Price
NFEXCTM-150025	$70.00
NFECRTM-150025	$70.00
NIECRTM060-150025	$72.50
NFEMDTM-150025	$70.00
NIEMDTM120-150025	$72.50
NFEMDZM-150025	$70.00
NFEVFTM-150025	$70.00
NIEVFTM180-150025	$72.50

6" x 2" x 1"	Price
NFEXCTM-150050	$100.00
NFECRTM-150050	$100.00
NIECRTM060-150050	$106.00
NFEMDTM-150050	$100.00
NIEMDTM120-150050	$106.00
NFEMDZM-150050	$100.00
NFEVFTM-150050	$100.00
NIEVFTM180-150050	$106.00

6" x 4" x 1"	Price
NFEXCTM-150100	$160.00
NFECRTM-150100	$160.00
NIECRTM060-150050	$170.00
NFEMDTM-150050	$160.00
NIEMDTM120-150050	$170.00
NFEMDZM-150050	$160.00
NFEVFTM-150050	$160.00
NIEVFTM180-150050	$170.00

*Can be bushed down using 611BUSH1X3/8 (1" to 3/8"), 611BUSH1X1/2 1" to 1/2"), or 611BUSH1X3/4 (1" to 3/4")

3" Arbor Hole Brushes
Max RPM - 3,500*

8" x 1" x 3"	Price
NFGXCTM-200025	$70.00
NFGCRTM-200025	$70.00
NIGCRTM060-200025	$72.50
NFGMDTM-200025	$70.00
NIGMDTM120-20002	$72.50
NFGMDZM-200025	$70.00
NFGVFTM-200025	$70.00
NIGVFTM180-200025	$72.50

8" x 2" x 3"	Price
NFGXCTM-200050	$100.00
NFGCRTM-200050	$100.00
NIGCRTM060-200050	$106.00
NFGMDTM-200050	$100.00
NIGMDTM120-200050	$106.00
NFGMDZM-200050	$100.00
NFGVFTM-200050	$100.00
NIGVFTM180-200050	$106.00

8" x 4" x 3"	Price
NFGXCTM-200100	$160.00
NFGCRTM-200100	$160.00
NIGCRTM060-200100	$170.00
NFGMDTM-200100	$160.00
NIGMDTM120-200100	$170.00
NFGMDZM-200100	$160.00
NFGVFTM-200100	$160.00
NIGVFTM180-200100	$170.00

* Can be bushed down using CFVB004 (3" to 1"), or CFVB005 (3" to 1-1/4").

5" Arbor Hole Brushes
Max RPM - 3,000*

12" x 2" x 5"	Price
NFHXCTM-300050	$126.00
NFHCRTM-300050	$126.00
NIHCRTM060-300050	$133.00
NFHMDTM-300050	$126.00
NIHMDTM120-300050	$133.00
NFHMDZM-300050	$126.00
NFHVFTM-300050	$126.00
NIHVFTM180-300050	$133.00

12" x 3" x 5"	Price
NFHXCTM-300075	$168.00
NFHCRTM-300075	$168.00
NIHCRTM060-300075	$178.50
NFHMDTM-300075	$168.00
NIHMDTM120-300075	$178.50
NFHMDZM-300075	$168.00
NFHVFTM-300050	$168.00
NIHVFTM180-300050	$178.50

12" x 5" x 5"	Price
NFHXCTM-300125	$262.50
NFHCRTM-300125	$262.50
NIHCRTM060-300125	$262.50
NFHMDTM-300125	$262.50
NIHMDTM120-300125	$262.50
NFHMDZM-300125	$262.50
NFHVFTM-300125	$262.50
NIHVFTM180-300125	$262.50

* Can be bushed down using CFVB006 (5" to 1"), or CFVB007 (5" to 1-1/4").





MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Respiratory Protection

FULL FACE RESPIRATOR



SP8990

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
SP8990.....$196.86
Tear Away Protective Lens
SP8711.....$66.30

REUSABLE HALF MASK RESPIRATOR

SP9200
SP9300



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	.....$18.36
Large	SP9300	.....$18.36

RESPIRATOR CARTRIDGES

These items work in conjunction with each other

SPG03



P95 Organic Vapor/Acid Gas Cartridges
SPGO3 .....$14.59



N95 Particulate
Pre-Filter - sold 10 per pack
SPG95P $19.22



Filter Retainer
for use with
N95 Particulate
Pre-Filter
SP172.....$4.30



G78 MULTI GAS
/ P100
SPG78MGVP $54.66

DISPOSABLE DUAL CARTRIDGE HALF MASK RESPIRATOR



SP8211
SP8311

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.

Disposable Half Mask Respirator

Medium	SP8211	.....$30.73
Large	SP8311	.....$30.73

Dust Particulates Only

SPXP100



Pancake P100 OV
SPXP100.....$8.16



P100 Particulate Cartridges
SPG70.....$14.80
P100 Particulate Cartridges
SPGX70P $17.08

MGAGES

Respirators

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.

N95 Particulate Respirator		
20 Per Pack	SP1730	$21.20/Pack
w/Valve - 10 per Pack	SP1740	$23.00/Pack
R95 Particulate Respirator		
w/Valve - 10 per Pack	SP1940	$31.50/Pack
Nuisance Dust Mask		
50 per Pack	SP1501	$12.00/Pack



SP1501 (Not NIOSH Approved)



SP1730

MADE IN



SP1740 SP1940

MADE IN

Protective Eyewear



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	$2.75
Amber Lens	SP5332	$2.75
Light Blue Lens	SP5333	$2.75
Indoor/Outdoor Mirror	SP5334	$3.00

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	$2.25
Yellow Lens	SP5341	$2.25
Grey Lens	SP5343	$2.25
Indoor/Outdoor Lens	SP5345	$2.50

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	$6.25
Grey Lens	SP0101	$6.25
Smoke Lens	SP0103	$6.25



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	$2.50

Head and Face

HARD HATS



These hard hats meet the ANSI Z89.1 requirement for impact resistance. Available in either white or yellow, KLINGSPOR hard hats offer a comfortable 4-point web suspension and ratchet adjustment for the perfect fit. Each also has an optional chin strap included should the wearer require one.

Yellow Hard Hat SPGHR4Y $14.28

HEAD GEAR W/RATCHET ADJUSTMENT



HEADGEAR WITH FACESHIELD
SPHG400 .....$14.79

Replacement faceshield clear Meets ANSI Z87.1
SPV40815 .....$7.14

Polycarbonate face shield
SPV40815C $9.44

HEADGEAR W/WIRE MESH FACE/SHLD
SPHG400WM .....$29.61 EA

Replacement Wire Mesh Faceshield/SPHG400
SPWMV40815 .....$17.81 EA

HEAVY DUTY DOUBLE MATRIX HEADGEAR W/RATCHET



HEAVY DUTY HEADGEAR WITH RATCHET
SPHGHD .....$52.00 EA

Replacement Shield
SPHGHDR .....$34.78 EA

Hearing Protection



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 .....$48.00

Resistor Bullet Earplug with Cord NRR 32
100/Box SP6101 .....$53.00



FOUR FLANGE EARPLUGS

Four flanges for a safe, accurate and comfortable seal. Reusable synthetic rubber provides superior comfort and protection. A soft material is hypoallergenic without PVC (Polyvinyl chloride; a thermoplastic polymer) materials. Nylon dielectric cord conveniently hangs around neck (corded only) NRR 27 Corded NRR

Resistor 4-Flange Earplug Uncorded NRR 27
200/Box SPFP40 .....$137.29

Resistor 4-Flange Earplug with Cord NRR 27
100/Box SPFP41 .....$92.29

ELIMINATOR EARMUFF WITH ADJUSTABLE CUPS NRR26



Adjustable earcups flip outward for an easy, comfortable fit when hanging around neck. The headband is designed to equalize pressure which provides an even seal for better protection. The low profile earcup design provides lightweight all day comfort, flexible inner headband allows earmuffs to automatically adjust to shape of head. Fully dielectric design provides greater safety NRR 26

ELIMINATOR EARMUFF
SPEL26 .....$22.19



RDEF GUARD LIGHTWEIGHT

These earmuffs offer adjustable headband slides for maximum comfort and fit; the foamed filled earcups fit securely. They are light weight and offer a contemporary design with red earcups!!! NRR23

RDEF-GUARD EARMUFF
SPDF0310 .....$9.95

TERMINATOR EARMUFF WITH COOLMAX DESIGN NRR29



Soft, lightweight, extra long padding on headband offers added comfort. Folds for compact storage Very lightweight design offers maximum comfort for long time wear. The adjustable headband allows for optimum fit. Foam filled cushion gives comfortable fit when wearing safety glasses!!!! NRR 29

TERMINATOR EARMUFF
SPTR0160.....$29.58

Latex and Nitrile Gloves

DISPOSABLE PROTECTIVE GLOVES

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.



BLUE NITRILE GLOVE - 5 MIL POWDER FREE - 100 PER CANISTER

Size	Item#	Price Per Canister
LARGE	NITRILE18002	$17.50
EXTRA LARGE	NITRILE18003	$17.50

POWDER FREE LATEX GLOVE - 100 PER CANISTER

Size	Item#	Price Per Canister
LARGE	LATEX17002	$14.50
EXTRA LARGE	LATEX17003	$14.50



THICKSTER (SAS) 14 MIL LATEX POWDER FREE EXAMINATION GLOVE - 50 PER BOX

Size	Item#	Price Per Box
MEDIUM	LATEX6602	$26.50
LARGE	LATEX6603	$26.50
EXTRA LARGE	LATEX6604	$26.50
XXLARGE	LATEX6605	$26.50



BLACK NITRILE GLOVE 6 MIL POWDER FREE - 100 PER BOX

Size	Item#	Price Per Box
SMALL	NITRILE66516	$23.25
MEDIUM	NITRILE66517	$23.25
LARGE	NITRILE66518	$23.25
XLARGE	NITRILE66519	$23.25
XXLARGE	NITRILE66520	$23.25



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.

Size	Item#	Price Per Box
MEDIUM	NITRILE66572GRIP	$26.00
LARGE	NITRILE66573GRIP	$26.00
X-LARGE	NITRILE66574GRIP	$26.00
XX-LARGE	NITRILE66575GRIP	$26.00



KEVLAR SLEEVE WITH LEATHER PAD

Applications: Assembly Line Production, Automotive Assembly, Mechanics, Carpentry, Construction, Glass handling, Janitorial, HVAC, and more.

SP9374TL ..... $7.97 EACH / 2 PER PACK



NITRILE COATED

13 gauge nylon with gray flat nitrile palm and fingers.

NITRILE COATED		
Medium	SP9679M	$4.00
Large	SP9679L	$4.00
Extra Large	SP9679XL	$4.00



LATEX COATED GRIPPING

10 Gauge Cotton/Polyester Shell, Latex Palm & Fingertips, Knit Wrist

LATEX COATED GRIPPING		
Medium	SP9688M	$4.25
Large	SP9688L	$4.25



ULTRA TECH CUT PRO

10 GaugeKevlar®/Fiberglass/Stainless Steel Shell, Black PU Coated Palm. Level 4 cut resistant. Polyurethane palm and fingers for additional grip and abrasion resistance

Small	SP93891PUS	$16.00
Medium	SP93891PUM	$16.00
Large	SP93891PUL	$16.00
X-Large	SP93891PUXL	$16.00

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Leather & Cut Resistant Gloves / Hi Vis Gear



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.

TIG WELDING GLOVE		
Medium	SP4840M	$23.00
Large	SP4840L	$23.00



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.

DRIVER'S GLOVE		
Medium	SP3204M	$16.00
Large	SP3204L	$16.00
X-Large	SP3204XL	$17.00



HI VISIBILITY VESTS

These Economy Class 2 Safety Vests offer compliant protection at an economical price. They are an excellent choice for extreme work environments that greatly reduce the useful life of a vest, or protection for short-term labor. Each vest has a Hook & Loop closure, 2" silver reflective tape material, 100% polyester knit & mesh for breathability, two pockets 1 upper and 1 inside lower), meets ANSI/SEA 107-2010 class 2/type R.

HI VISIBILITY VEST GREEN TYPE R/2		
Medium	SPSV2GM	$11.50
Large	SPSV2GL	$11.50
X-Large	SPSV2GXL	$11.50

HI VISIBILITY VEST ORANGE TYPE R/2		
Medium	SPSVOMM	$11.50
Large	SPSVOML	$11.50
X-Large	SPSVOMXL	$11.50



ECON LEATHER PALM

This glove features "C" grade shoulder split cowhide leather, full feature, assorted color fabric striped back, 2.5" rubberized safety cuff.

ECON LEATHER WORK GLOVES		
SP12010		$5.25



BLUE LEATHER WELDING GLOVES

Blue regular split shoulder leather with a full sock jersey lining, cotton drill cuff lining and reinforced palm.

BLUE LEATHER WELDING GLOVE		
SP4501		$20.00



HI VIS PIGSKIN DRIVER W/THERMOSOCK LINER

The 19261 features a grain pigskin, Thermosock lined, orange/lime back and glass bead retro-reflective material across the knuckles.

HI VIS REFLECT THERMO GLOVE		
Large	SP19261L	$15.08
X-Large	SP19261XL	$15.48



HI VIS PIGSKIN DRIVER

The 3407 features a high-visibility lime fabric back with silver reflective material on the knuckle strap and finger tips. It also features a beige industry grade grain pigskin palm with a cotton hem.

HI VIS PIGSKIN DRIVER		
Large	SP3407L	$14.15
X-Large	SP3407XL	$14.73



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.

COVERALL		
Large	PROTECTIVESUITL	$10.41
X-Large	PROTECTIVESUITXL	$10.41
XX-Large	PROTECTIVESUITXXL	$11.46
XXX-Large	PROTECTIVESUITXXXL	$11.46

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.!

KLINGSPOR PRODUCTS:
- Kling-On® (Hook & Loop) Paper Discs
- PSA Paper Discs
- PSA Cloth Discs
- 710 XF Kling-On® Cloth Discs

NON-VACUUM
* Non - Vacuum to Vacuum Conversion Kits available.

Pad Diameter	Orbit Model	Item #
5"	3/8	59005
	3/16	59020(H)
	3/32	59035(H)
6"	3/8	59010(H)
	3/16	59025(H)
	3/32	59040(H)

SELF-GENERATED VACUUM
* Ready for connection to optional portable self-contained dust collection system.

Pad Diameter	Orbit Model	Item #
5"	3/8	59008
	3/16	59023(H)
	3/32	59038
6"	3/8	59013
	3/16	59028
	3/32	59043

CENTRAL VACUUM
* Has 1" (25 mm) diameter port for easy connection to central vacuum system.

Pad Diameter	Orbit Model	Item #
5"	3/8	59009
	3/16	59024(H)
	3/32	59039
6"	3/8	59014
	3/16	59029
	3/32	59044

(H) - Available in both Hook & Loop and PSA

Dynorbital Silver Supreme



FEATURES:
- Steel cylinder and end plates increase motor efficiency.
- Stay-tight threaded muffler.
- Single-piece lock ring.
- Low Sound Levels. Muffler system reduces exhaust sound levels.
- Patented bearing protection.
- Smaller ergonomic housing for maximum comfort.
- Muffler elements are easily changed for convenient maintenance.

KLINGSPOR PRODUCTS:
- Kling-On® (Hook & Loop) Paper Discs
- PSA Paper Discs
- PSA Cloth Discs
- 710 XF Kling-On® Cloth Discs

NON-VACUUM
* Non - Vacuum to Vacuum Conversion Kits available.

Pad Diameter	Orbit Model	Item #
5"	3/8	69005(H)
	3/16	69020(H)
	3/32	69035(H)
6"	3/8	69010
	3/16	69025(H)
	3/32	69040

SELF-GENERATED VACUUM
* Ready for connection to optional portable self-contained dust collection system.

Pad Diameter	Orbit Model	Item #
5"	3/8	69008(H)
	3/16	69023(H)
	3/32	69038(H)
6"	3/8	69013
	3/16	69028(H)
	3/32	69043

CENTRAL VACUUM
* Has 1" (25 mm) diameter port for easy connection to central vacuum system.

Pad Diameter	Orbit Model	Item #
5"	3/8	69009(H)
	3/16	69024(H)
	3/32	69039(H)
6"	3/8	69014
	3/16	69029(H)
	3/32	69044

(H) - Available in both Hook & Loop and PSA

Dynorbital Supreme



FEATURES:
- Comfort handle
- 18 SCFM @ 90psi
- Non-Vacuum to Vacuum Conversion Kits available

KLINGSPOR PRODUCTS:
- Kling-On® (Hook & Loop) Paper Discs
- PSA Paper Discs
- PSA Cloth Discs
- 710 XF Kling-On® Cloth Discs

NON-VACUUM
* Non - Vacuum to Vacuum Conversion Kits available.

Pad Diameter	Orbit Model	Item #
5"	3/8	56880
	3/16	56815
	3/32	56850
6"	3/8	56890
	3/16	56826
	3/32	56859

SELF-GENERATED VACUUM
* Ready for connection to optional portable self-contained dust collection system.

Pad Diameter	Orbit Model	Item #
5"	3/8	56883
	3/16	56818
	3/32	56853
6"	3/8	56893
	3/16	56829
	3/32	56862

CENTRAL VACUUM
* Has 1" (25 mm) diameter port for easy connection to central vacuum system.

Pad Diameter	Orbit Model	Item #
5"	3/8	56884
	3/16	56819
	3/32	56854
6"	3/8	56894
	3/16	56830
	3/32	56863

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

DYNABRADE BACKING PADS

NON-VACUUM PADS

5" Hook-Face Velcro Discs

Part#	Thickness	Nap	Density
DYNA54325	3/8"	Short	Medium
DYNA56157	3/8"	Short	Soft
DYNA56180	5/8"	Short	Medium
DYNA56195	5/8"	Short	Soft

5" Vinyl-Face PSA Discs

Part#	Thickness	Density
DYNA56102	3/8"	Soft
DYNA56106	3/8"	Medium
DYNA56175	5/8"	Medium
DYNA56185	5/8"	Soft

VACUUM PADS

5" Hook-Face Velcro Discs - 5 Hole

Part#	Thickness	Nap	Density
DYNA54326	3/8"	Short	Medium
DYNA56155	3/8"	Short	Soft
DYNA56181	5/8"	Short	Medium
DYNA56196	5/8"	Short	Soft

5" Vinyl-Face PSA Discs - 5 Hole

Part#	Thickness	Density
DYNA56100	3/8"	Soft
DYNA56104	3/8"	Medium
DYNA56176	5/8"	Medium
DYNA56186	5/8"	Soft

DYNAFINE BACKING PADS

Hook-Face Pads	
DYNA57953	Tear-drop
DYNA57951	Triangle
PSA Pads	
DYNA57952	Tear-drop
DYNA57950	Triangle
Raised Panel	
DYNA57956	Pad
DYNA98292	Adapter

RANDOM ORBITAL REFERENCE

Most Aggressive	General Sanding	Ultra Fine Sanding
3/8"	3/16"	3/32"

Dynafine 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

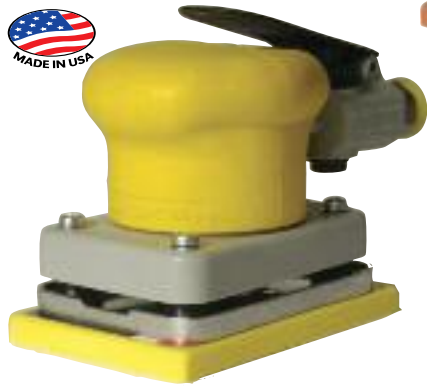


FEATURES:
- Excellent for use in tight corners
- Eliminates finger sanding
- 13,000 RPM motor with 1/32 orbital action
- 20 SCFM @ 90 PSI
- Handle has 7 degree offset for greater comfort
- Lightweight only 1.6 LBS

KLINGSPOR PRODUCTS:
- Triangular PSA & KLING ON Discs
- Triangular Non-Woven Discs
- Tear-Drop PSA and KLING ON Discs
- Tear-Drop Non-Woven Discs

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

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.



Dynaline Finishing Sander - DYNA57400

Air Powered "In-Line" type Finishing Sander for Wood, Composites & Solid Surface.



FEATURES:
- 2,400 strokes per minute utilizing 18 SCFM at 90 PSI.
- Uses PSA coated sheets/rolls, or Hook and Loop sheets/rolls with switch to Dyna57456 backing pad.
- Tool also accepts non-woven sheets and rolls to produce in-line satin and brush finishes.
- Weight-mated backing pads provide for low vibration, smooth operation & superior finishes.

KLINGSPOR PRODUCTS:
- PSA sheets & rolls
- Hook & Loop sheet & rolls

ALSO AVAILABLE:

SELF-GENERATED VACUUM
- Dyna57401
- Ready for connection to optional, portable, self-contained dust collection systems.
- Includes Dyna57455 vinyl-faced backing pad or switch to Dyna57457 for Hook & Loop.

CENTRAL VACUUM
- Dyna57404
- Has 1" outside diameter vacuum port for easy central vacuum hose connection.

MGAGES

11" Diameter Non-Vacuum Random Orbital Sander

NON-VACUUM - DYNA58480

- Includes 56231 Hook-Face sanding pad.

CENTRAL VACUUM - DYNA58485

- Vacuum shroud has 1¼" outside diameter port for easy connection to external central vacuum
- For use with optional "O" style abrasive discs
- 11" x 5 Hole



FEATURES:

- Extra Large 11" 279 (mm) work area
- 27 SCFM @ 90 PSI
- Low Vibration Levels
- Tool includes 18553 bicycle grip side handle which adds to operator comfort
- Standard with hook & loop backing pad
- PSA backing pad also available (#56230)

KLINGSPOR PRODUCTS:

- 11" KLING-ON (Hook & Loop) Discs
- 11" Paper Discs
- 11" PSA Discs

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

Die Grinders

DYNA48325



FEATURES:

- .4 hp, Straight-Line, 25,000 RPM, Rear Exhaust
- Collet Insert Size: 1/4 in.
- Gearless Motor reduces downtime and lessens repair expense

KLINGSPOR PRODUCTS:

- KM 613 1/4" shank
- Cartridge rolls 1/4" shank
- No lap bands 1/4" shank
- Carbide burrs 1/4" shank



DYNA48317

FEATURES:

- 4 hp, Right Angle, 20,000 RPM, Rear Exhaust
- Collet Insert Size: 1/4 in.
- Centerline height is 2-1/16 in.
- Ideal for hard to reach areas

KLINGSPOR PRODUCTS:

- 1" and 1 1/2 " QDC
  2"; 3" and 4" QDC
  1"; 1-1/2"; 2" and 3" QRC & QMC

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
- Tool includes 15026 Contact Arm for 1/2" wide x 12" long abrasive belts and 15118 Drive Wheel.
- For added versatility, tool can be easily converted to die grinder with optional 01644 (1/4") Threaded Collet Insert

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

PLATEN PADS CAN BE REPLACED. FOR DYNA15026 CONTACT ARM ORDER PLATEN PAD DYNA11026. (1/2") WIDE PACKAGED FIVE PER PACK.

Model Number	Motor HP (W)	Motor RPM	Sound Level	Abrasive Belt Size Inch (mm)	Maximum Air Flow CFM/SCFM (LPM)	Max. SFPM (SMPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
15003	.4 (298)	25,000	80 dB(A)	1/8-1/2 (3-13) W x 12 (305) L	3/20 (566)	4,890 (1,486)	1.8 (.8)	11-3/4 (298)	3-1/2 (89)

Additional Specifications: Air Inlet Thread 1/4" NPT • Hose I.D. Size 1/4" (6 mm) • Air Pressure 90 PSIG (6.2 Bar)
Recommended Air Line Accessory: For Best Performance use 95676 Coupler/Plug Assembly

MGAGES

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

Dynafile® II

Air Powered Abrasive Belt Tool
Reach normally inaccessible areas.



DYNA40320

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

KLINGSPOR PRODUCTS:

- Includes 11206 Contact Arm for 3/4" wide x 18" long abrasive belts



FOR 18" LONG BELTS

DYNA40320

- Includes 11206 Contact Arm for 3/4" wide x 18" long abrasive belts.

FOR 20-1/2" LONG BELTS

DYNA40326

- Includes 11287 Contact Arm for 5/8" or 3/4" wide abrasive belts. 11287 is only arm compatible with 20-1/2" long belts.

PLATEN PADS CAN BE REPLACED. FOR DYNA11206 CONTACT ARM ORDER PLATEN PAD DYNA11109. (3/4") WIDE PACKAGED FIVE PER PACK.

Versatility Kit

DYNA40321



- Includes Model 40320 Dynafile® II with 11203 and 11206 Contact Arms; eight abrasive belts and durable carrying case.

DYNA40321

- Also includes: 11204 Contact Arm and 50010 (1/4") Collet for die grinder use.

DYNA40324

Metric

- Also includes: 11320 Contact Arm and 50015 (6 mm) Collet for die grinder use.

ABRASIVE CAPACITY:

- 1/8", 1/4" to 3/4" wide x 18", 20-1/2" and 24" lengths.

ACCESSORIES:

- For broad range of applications see optional contact arms.

TUNE-UP KIT:

- Model 40381: Tune-Up Kit 96174; all other models this page: Tune-Up Kit 96044.

TECH TIP:

- Air motor easily converts to 1/4" die grinder (50010 Collet), 6 mm die grinder (50015 Collet) or 1/4" drill (53032 Chuck). Order collet and chuck separately..



MGAGES

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

Dynastraight®



DYNA13204



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.

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

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
- 8" Sanding Stars
- Flutter Sheets
- 4" and 6" diameter Power Wheels

Versatility Kit



* Includes 13204 Dynastraight; 94472 Dynacushion Pneumatic Wheel; 94465 Wheel Inflation Tool (1/4" NPT) ; 94300 Dynaswivel (1/4" NPT) ; 13016 Arbor; and an assortment of abrasives.

DYNA13220

Dynabrade Authorized Accessories



COMPOSITE DYNASWIVEL® - DYNA94300
- Swivels 360˚ at two pivot points
- 1/4" NPT thread size
- Improves tool maneuverability
- Non-marring composite construction
- Extends hose life



FLOW CONTROL DYNASWIVEL® ALUMINUM HOUSING - DYNA95734 COMPOSITE DYNASWIVEL® - DYNA94407
- Finger tip air-flow control dial
- Heavy-duty construction
- 1/4" NPT
- Swivels 360˚ at two pivot points



REGULATOR-LUBRICATOR - DYNA10681
- 1/2" NPT Filter/Regulator/Lubricator
- Cost-Effective Solutions for Air Systems
- Unit has modular connections with mounting brackets for easy installation.



SAFETY TYPE MODEL DYNAJET IN-LINE BLOW GUN - DYNA94467
- Reduces line pressure down to 30 psi
- 1/4" NPT female threads at both ends
- Keep work pieces and workstations clean
- Weighs only 2 oz.
- Durable, aluminum construction
- Purge lines of water and contaminants
- Mounts permanently between coupler & air hose



WHEEL INFLATION TOOL - DYNA94465
- Controlled inflation/deflation of
- A must with the Dynacushion® pneumatic wheels
- Fits 1/4" air hose



DYNACUSHION DYNA94472
- Pneumatic wheel
- Composite hub, 5/8" - 11 thread
- 5" Diameter x 3 1/2" in width
- 31/2" x 151/2" Belt Size

DYNA94508
- 3/4" Diameter 3" width
- 3" x 1011/16" Belt Size



DYNABRADE GREASE AND GREASE GUN
10 OZ GREASE TUBE: DYNA95542
GREASE GUN: DYNA95541
- Multi-purpose grease for all types of bearing, cams, gears
- High film strength; excellent resistance to water, steam, etc.
- Workable range 0˚ to 300˚



GEAR OIL - DYNA95848
- 2-1/2 ounce



DYNABRADE AIR LUBE
4 OUNCES - DYNA95821
1PINT - DYNA95842
1 GALLON - DYNA95843
- Highly recommended in use of all Dynabrade tools
- Absorbs up to 10% of its weight in water
- Prevents rust and formation of gum and sludge
- Keeps pneumatic tools operating longer with greater power and less downtime



DYNABRADE MUFFLER INSERT
PER EACH - DYNA56027
30 PACK - DYNA56054
- Highly recommended to keep contaminants out of tool motor
- For use in many Dynabrade pneumatic tools



DYNABRADE MUFFLER CAP - DYNA56028
THREADED MUFFLER CAP - DYNA69359
- Standard rear muffler cap for all Dynabrade orbital sanders and many other Dynabrade pneumatic tools



DYNABRADE 26MM WRENCH DYNA50679
- Standard 26mm flat wrench to change pads on all palm style orbital sanders



QUICK CHANGE COUPLER NPT FEMALE END - DYNA95674
- Durable nickel-plated steel and brass construction
- Single action quick connect by just inserting plug into coupler. Pull back on sleeve of coupler for quick disconnect



1/4" "PORTED" MALE TO MALE PLUG NPT MALE END - DYNA95675
- Ported design to prevent starving of the air tool
- Provides up to twice the airflow compared to standard plug design
- Durable zinc-plated steel construction

MGAGES

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SITIO WEB: www.mgages.mx

Kling-On® Hole Pattern Availability

4½" X 8 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
PS 36

5" X 9 HOLES



Festool 5/8" Center Hole



Festool 1/4" Center Hole

Available Materials
PS 11
PS 29
PS 33
PS 31
PS 73W
VP 73W
PS 36

6" X 9 HOLES



Festool 5/8" Center Hole

Available Materials
PS 11
PS 29
PS 33
PS 31
PS 73W
VP 73W
PS 36

8" X 8 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
PS 36

5" X NO HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36
CS 311 YX
CS 710 XF

6" X NO HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36
CS 311 YX
CS 710 XF

6" X 16 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
PS 36

8" X 16 HOLES



Available Materials
PS 11
PS 29
PS 33
PS 73W
VP 73W
PS 36

5" X 5 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36
CS 710 XF

6" X 17 HOLES



Festool 3/8" Center Hole

Available Materials
PS 11
PS 29
PS 33
PS 31
PS 73W
VP 73W
PS 36

11" X NO HOLES



Available Materials
PS 11
PS 33
PS 73W
VP 73W
FP 73W

5" X 8 HOLES



Available Materials
PS 11
PS 29
PS 33
PS 31
PS 73W
VP 73W
FP 73W
PS 36
CS 710 XF

6" X 8 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36
CS 710 XF

8" X NO HOLES



Available Materials
PS 11
PS 29
PS 33
PS 73W
VP 73W
PS 36

11" X 5" CENTER HOLE



Available Materials
PS 11
PS 33
PS 73W
VP 73W
FP 73W

PSA Hole Pattern Availability

5" X NO HOLES



Available Materials
PS 11
PS 20
PS 21
PS 22
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36
LS 309 J
CS 310 X
CS 311 YX
CS 333
CS 411 X

5" X 5 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36

5" X 8 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36

6" X NO HOLES



Available Materials
PS 11
PS 20
PS 21
PS 22
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36
LS 309 J
CS 310 X
CS 311 YX
CS 333
CS 411 X

6" X 6 HOLES



Available Materials
PS 11
PS 29
PS 31
PS 33
PS 73W
VP 73W
FP 73W
PS 36

8" X NO HOLES



Available Materials
PS 11
PS 20
PS 21
PS 22
PS 29
PS 33
PS 73W
PS 36
LS 309 J
CS 310 X
CS 311 YX
CS 333
CS 411 X

8" X 8 HOLES



Available Materials
PS 11
PS 29
PS 33
PS 73W
PS 36

8" X 16 HOLES



Available Materials
PS 11
PS 29
PS 33
PS 73W
PS 36

MGAGES

Abrasive Backings

CLOTH

GX/JF - KLINGSPOR's newest backing. J-Flex weight polyester/cloth blend. Offers exceptional strength along with extreme flexibility and waterproof properties.

JF - A light weight very flexible Egyptian cotton cloth

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

Most Flexible — Least Flexible

JF GX/JF J XF X YX Y YY Z

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

Lightest — Heaviest

A B C D E F

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.

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.

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 Materials

- SEE GRIT CHART FOR DETAILED INFORMATION

ALUMINUM OXIDE

CLOTH		
CS 308	KL 371	PS 29
LS 309	CS 412	PS 31
CS 310	CS 561	PS 33
CS 311	CS 710	PS 73W
LS 312	GX 712JF	PL 36
LS 313	**PAPER**	VP 73W
LS 318	PS 10 - *Garnet*	FP 73W
CS 326	PS 20	
CS 341	PS 22	
KL 361	PS 26	
	PS 28	

ALUMINA ZIRCONIA

CLOTH		PAPER
CS 409	CS 565	PS 21
CS 411	CS 570	PS 36
CS 416	CS 811	

CERAMIC ALUMINUM OXIDE

CLOTH		PAPER
CS 910	CS 631 XF	PS 61F
CS 912	CS 931 JF	FS 964
FS 966	GX 931 JF	

SILICON CARBIDE

CLOTH	PAPER
CS 320	PS 11
CS 321	PS 24
CS 538	PS 27W
CS 539	PL 35
CS 333	GX 533JF

BACKINGS *AVAILABLE IN MORE THAN ONE BACKING

A-WEIGHT
PS 10
PS 11 *
PS 31 *

B-WEIGHT
PS 33 *
PS 73W *
PL 35
PL 36

C-WEIGHT
PS 11 *
PS 31 *
PS 33 *
PS 36 *
PS 73W *
VP 73W

D-WEIGHT
PS 27
PS 31 *
PS 36 *

F-WEIGHT
PS 20
PS 21
PS 22
PS 24
PS 26
PS 28
PS 29
PS 61

J-FLEX
LS 309 *
LS 312
LS 313
KL 361
KL 385
CS 631

J-WEIGHT
LS 309 *

X-WEIGHT
CS 310 *
CS 321
CS 341
CS 411 *
CS 333

X-FLEX
CS 310 *
CS 710
CS 631

Y-WEIGHT
CS 308
CS 311
CS 320
CS 326
CS 336
CS 409
CS 411 *
CS 412
CS 416
CS 910
CS 912
CS 811

Z-WEIGHT
CS 538
CS 539

FIBRE
CS 561
CS 565
CS 570
FS 964
FS 966

FILM
FP 73W

GX/JF
GX 533JF
GX 712JF
GX 931JF

TELEFONOS:53593257 | 53593771 | 53593257 | 53581196 | 55765690
SITIO WEB: www.mgages.mx

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 910, CS 811YY	24-40
			Hard Metals:	CS 308, CS 310, CS 412, CS 411, CS 912, 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 910	40-60
			Hard Metals:	PS 61, CS 308, CS 310, CS 412, CS 411, CS 912	
	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 910	80-120
			Hard Metals:	PS 61, CS 308, CS 310, CS 412, CS 411, CS 912	
	WOOD	Finish	Softwoods:	CS 311, PS 26, PS 27, PS 28, PS 29	150 & Finer
			Hardwoods:	CS 308, CS 310, PS 22	
	METAL		Soft Metals:	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	80-180
			Finished Woods:	PL 35, PS 11	220 up
Backstand:	**METAL**	Grinding	CS 308, CS 310, CS 412, CS 311, CS 411, CS 910, CS 912, CS 811YY, CS 409		24-60
		Finishing	LS 309JF, LS 312, CS 631, GX 533, GX 712		80-400

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Solid Surface

Keep this Solid Surface Finishing Sequence Chart handy to get the best results with KLINGSPOR Abrasives every time.

PS 11 (SC)

• WET OR DRY USE SILICON CARBIDE

FP 73W (AO) • PS 73W (AO)

• DOUBLE LUBRICATED ALUMINUM OXIDE TO REDUCE LOADING FILM

MATTE FINISH

OPTIONAL PRE-STEP TO REMOVE SCRATCHES-P150 (PS 33, PS 73W OR FP 73W)		
STEP 1	P240	(PS 33, PS 73W OR FP 73W)
STEP 2	VERY FINE HAND PAD (WATER IMPROVES FINISH)	

SEMI-GLOSS FINISH

OPTIONAL PRE-STEP TO REMOVE SCRATCHES-P150 (PS 33, PS 73W OR FP 73W)		
STEP 1	P240	(PS 33, PS 73W OR FP 73W)
STEP 2	P400	(PS 33, PS 73W OR FP 73W)
STEP 3	P1000	(PS 73W OR FP 73W)
STEP 4	ULTRA FINE HAND PAD (OPTIONAL)	

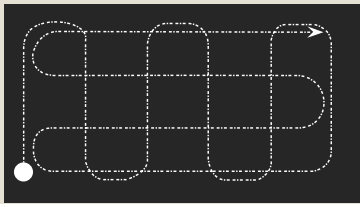
HIGH GLOSS FINISH

OPTIONAL PRE-STEP TO REMOVE SCRATCHES-P150 (PS 33, PS 73W OR FP 73W)		
STEP 1	P240	(PS 33, PS 73W OR FP 73W)
STEP 2	P400	(PS 33, PS 73W OR FP 73W)
STEP 3	P1000	(PS 73W OR FP 73W)
STEP 4	P1500	(PS 73W OR FP 73W)
STEP 5	P2000	(PS 11 OR FUSION FOAM 1800-2500)
STEP 6	WHITE / NO ABRASIVE HAND PAD	

SUGGESTIONS FOR BEST RESULTS

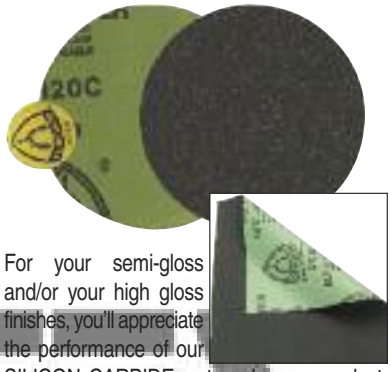
1. **Use a 10,000-12,000 rpm random orbital sander.**
2. **Start the sander while resting flat on the surface and remove the sander before stopping to eliminate swirl marks.**
3. **Each grit needs to pass over the surface following a "North, South, East, West" pattern (see illustration) to insure that 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





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



For your semi-gloss and/or your high gloss finishes, you'll appreciate the performance of our SILICON CARBIDE wet or dry use product. KLINGSPOR's PS 11 material, in the finest of grits, will help to accomplish the final steps in these gloss finishes. It has a proven track record in the solid surface industry of exceptional performance at a cost well below that of competitors in the business.



Our aluminum oxide extra-lube stearate materials (PS 73W & FP 73W) are the premier products for the solid surface installer. They will accomplish tasks from removal of scratches to preparation for high gloss finishes. This "Extra Lube" material will prove its 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.

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Abrasive Grains

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.

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.

Grit Grading Systems

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	•	•	.00018	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	*

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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 applications. 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.





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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



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

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"

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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.

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

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.

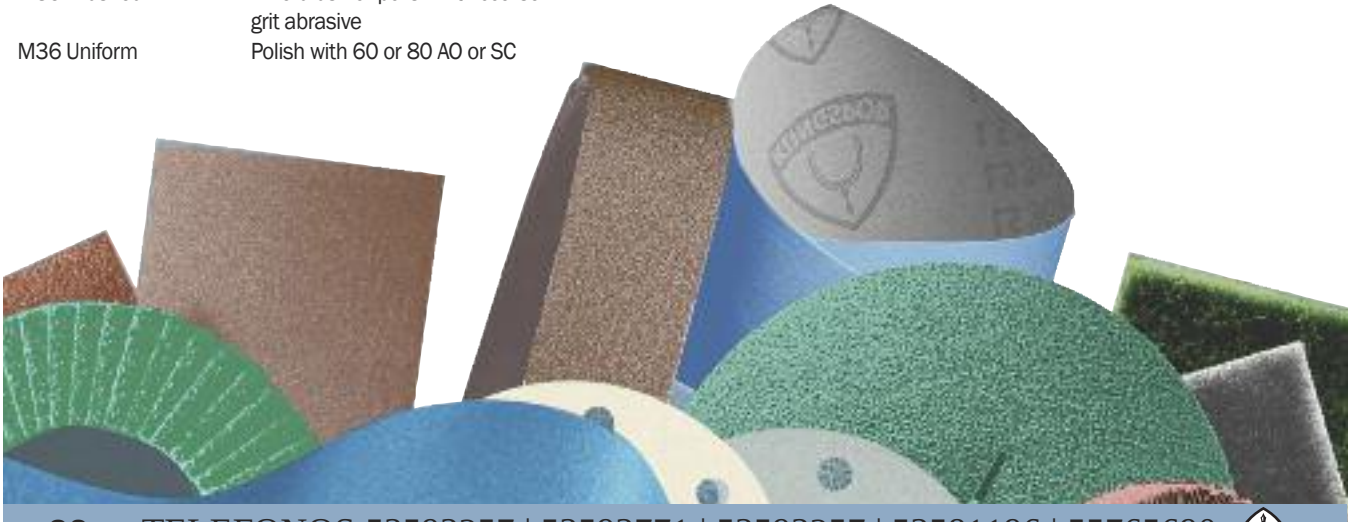
Both the above activities are limited to convolute wheels 6” in diameter and larger.

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.



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PS 10: 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.

PS 11: 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.

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 26: Premium Super Anti-Static Aluminum Oxide open coat, resin-resin bond, F-weight paper material. Reduces wood loading. Works well in any application where loading is a problem. Belts only.

PS 28: Aluminum Oxide open coat, F-weight paper available in wide belts 52" - 54" wide only. Use this material for economical sanding with great results.

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 31: Aluminum Oxide open coat A, C & D weight paper material. Produces a soft consistent finish at a budget price.

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.

PL 35: 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.

PL 36: B-weight Aluminum Oxide, resin bonded open coat, with Zinc Stearate top coat. Recommended for bare wood, primer, primer surfaces and between coats of paint.

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. A more consistent finish can be achieved when sanding wood, metal, and various other substances including body fillers. PS 36 is a premium fully resin bonded product.

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.

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.

FP 73W: Aluminum Oxide on a 3 mil poly film backing, FP73W is the latest generation in the 73W material product line. 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 3 mil poly film backing makes it tear resistant, waterproof and enhances the finishing characteristics of this product. Available in P80 - 1500 (no 360 or 500) grits and available in Kling-on and PSA discs only, no belts.

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.

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, antistatic, poly/cotton, resin bonded, open coat material for wood sanding operations where clogging or loading is a prob-

lem 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.

LS 318 *ACT*: Open coat, ACT bonded Aluminum Oxide grain on a JF 100% cotton backing. This material would be ideal for soft wood sanding with pump sleeves, mold sanders or other profiling operations. The ACT bonding enhances edge wear and dust collection while the open coat grain coverage inhibits loading. Intermediate belts only.

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 326: Aluminum Oxide grain, X-weight polyester backing (YX) with a resin-bonded "agglomerate" surface consisting of clusters of abrasive grains of a given grit size for a very consistent rate of cut and finish when metal grinding and polishing using automatic machinery, particularly on centerless or roll grinding operations.

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.

KL 361: Aluminum Oxide J-flex cloth backing, resin-resin bonded for general purpose use on all metals or wood. Shop roll material.

KL 371: Grits P40 - P400 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.

KL 385: Aluminum Oxide, resin-bonded to a very flexible J-flex cotton backing for general clean up and maintenance operations on steel, non-ferrous metals and wood. Economy shop roll material.

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 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 539 *ACT*: Silicon Carbide, polyester backing and closed coat grain coverage make this a preferred product for the stainless steel service centers. Provides excellent finish and long service life. For wide belts only.

CS 561: Aluminum Oxide on a vulcanized fibre backing for general purpose grinding and polishing on metals, wood and fiberglass applications.

CS 565 fibre disc: Alumina Zirconia, vulcanized fibre backing is designed for harder, tougher metals, or high production operations.

CS 570 fibre disc: Alumina Zirconia vulcanized fibre backing with a multibond lubricant added to assist in keeping the toughest grinding jobs cool.

CS 575: Silicon Carbide grain on a rigid backing designed for fast removal times and heavy stock removal rates in the fiberglass and plastic industries. Must use backing pad.

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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 multibond lubricant enhances grinding properties and reduces heat build-up.

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.

GX 931 JF: The new GX 931JF in corporates ceramic aluminum oxide grains and a multibond 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.

CS 910 *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 912 *ACT*: Ceramic Aluminum Oxide on our heaviest YY polyester backing for use on steels of all types and under high grinding pressure applications.

FS 964 *ACT*: Premium Ceramic Aluminum Oxide Fibre Disc with ACT Coating. Excellent performance and high aggression throughout the service life thanks to Micro-crystalline self-sharpening. Unparalleled Grit adhesion with ACT Advanced Coating Technology. Fully resin bonded to a heavy vulcanized fibre backing.

FS 966 FIBRE DISC *ACT*: Advanced ceramic aluminum oxide fibre disc with ACT coating. Faster cutting and longer lasting on hard steels and metals. Lubricated for heat control.

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 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.

FUSION FOAM PADS: Abrasive slurry poured onto a foam pad with no substrate between provides exceptional conformability and consistency of finish. Can be used wet or dry for finishing applications in automotive and marine body, aerospace, wind energy and many other applications where the finest of finishes is required and performance and longevity is desired. Does particularly well on the fine sanding of the darker solid surface materials like Formica. Wet running enhances its fine finishing characteristics.

Flapwheels

NSF 600: Non-woven abrasive mops that are suitable for matte, satin, and final finishing work on all metals. These are 1/4" spindle-mounted wheels.

SM 611 ABRASIVE FLAPWHEEL: Constructed of hundreds of resin-bonded cloth Aluminum Oxide abrasive sheets firmly attached to a balanced core. Adapts quickly to contours of the workpiece continuously exposing fresh, sharp grit. Can be used on all metals, plastics and wood. Must be used with SMD 612 plates except on $6^1/_2$" and 8" wheels.

KM 613 SMALL ABRASIVE FLAPWHEEL: A smaller, yet equally powerful version of our standard flapwheel, these flapwheels can be used on portable or off-hand 1/4" power tools to grind, polish, deburr, or finish small and/or hard-to-handle parts.

WSM 617: An abrasive mop wheel that can, for the 1st time, be used on an angle grinder, the WSM 617 is for use on both metal and wood. A built-in 5/8-11 hub makes mounting easy and it can be used everywhere from joiners workshops and on cross grained wood to auto body and for office furniture prep and stripping, etc. Grits 40, 60, 80 and 120. $4^1/_2$ x 3/4 x 5/8 - 11.

NCS 600 SMALL FINISHING FLAPWHEEL: Constructed in the same fashion as the larger NCW 600 finishing flapwheel, this smaller 1/4" spindle-mounted version was designed for use on portable machinery.

NCW 600 FINISHING FLAPWHEEL: For smoother, more blended finishes than regular abrasive flapwheels, use KLINGSPOR Finishing Flapwheels. Flaps of non-woven abrasive and resin-bonded abrasive cloth are placed alternately throughout the circumference of the wheel and attach to a solid core for use on wood, metal or plastic without stock removal. The NCW 600 must be used with KLINGSPOR SMD 612 mounting plates.

NSF 600: Non-woven abrasive wheels specifically for matte, satin and final finishing.

Description	Material	Backing	Available Grits	Properties	PSA / Kling-On
ALUMINUM OXIDE	PS 10 A	Paper	80 - 220	Garnet	
	PS 10 C	Paper	100 - 150	Garnet	
	PS 10 D	Paper	36 - 80	Garnet	
	PS 20 F	Paper	60 - 240, 320, 400		
	PS 22 F ACT	Paper	40 - 400	Antistatic	
	PS 26 F	Paper	80 - 220	Super - Antistatic	
	PS 28 F	Paper	40-220	Antistatic	
	PS 29 F ACT	Paper	40 - 320, 400	Antistatic	PSA & Kling-On
	PS 31 A	Paper	80 - 220		PSA & Kling-On
	PS 31 C	Paper	100 - 150		PSA & Kling-On
	PS 31 D	Paper	36 - 80		PSA & Kling-On
	PS 33 B	Paper	150 - 240, 320, 400 - 600	Stearate	PSA & Kling-On
	PS 33 C	Paper	40, 60 - 120	Stearate	PSA & Kling-On
	PL 36 B	Paper	80 - 320, 400	Stearate	PSA & Kling-On
	PS 73 BW	Paper	150 - 320, 400 - 1500	Stearate	PSA & Kling-On
	PS 73 CW	Paper	80 - 120	Stearate	PSA & Kling-On
	VP 73 CW	Latex	80 - 320	Stearate	PSA & Kling-On
	FP 73 W	Film	80-240, 320, 400, 600 - 1500	Stearate	PSA & Kling-On
	CS 308 YX	Poly/Cotton	40, 60 - 180, 240		
	LS 309 JF	Cloth	60 - 400		
	LS 309 J	Cloth	60 - 500		PSA
	LS 309 XH	Cloth	40 - 150	Portable Belts ONLY	
	CS 310 XF	Cloth	40 - 240		
	CS 310 X	Cloth	24, 36 - 600		PSA & Kling-On
	CS 311 YX ACT	Poly/Cotton	50 - 220	Antistatic	PSA
	CS 311 Y ACT	Polyester	36, 40	Antistatic	PSA
	LS 312 JF	Cloth	80 - 320, 400	Multibond Lubricant	
	LS 313 JF	Cloth	80 - 240, 320	Multibond Lubricant	
	LS 318 JF ACT	Cloth	80 - 180		
	CS 326 YX	Polyester	80, 120, 180, 240, 600	Agglomerate	
	CS 341 X	Cloth	80 - 320, 400, 500	Waterproof	
	KL 361 JF	Cloth	40, 60 - 240, 320, 400 - 600	Shop Roll	
	KL 371	Cloth	40 - 240, 320	Medium cotton	
	KL 385 JF	Cloth	40 - 320, 400, 600	Shop Roll	
	CS 412 YX	Polyester	40 - 180, 240		
	CS 412 Y	Polyester	24, 36		
	CS 561	Vulcanized fibre	16, 24, 36 - 150, 220, 240, 320		
	CS 710 XF	Cloth	80 - 180, 240	Heat treated	Kling-On
	GX 712 JF	Polyester / Cloth	80 - 320, 400	Multibond Lubricant	

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Description	Type	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	●	R		Metal, Wood	-	•	-	•	-	-	-
	PS 22 F	●	R		Metal, Wood	•	•	-	•	-	-	•
	PS 26 F	○	R		Wood	-	•	-	•	-	-	-
	PS 28 F	○	R		Wood	-	•	-	•	-	-	-
	PS 29 F	○	R		Wood	•	•	-	•	-	-	•
	PS 31 A	○	R		Metal, Wood	-	-	-	-	-	•	•
	PS 31 C	○	R		Metal, Wood	-	-	-	-	-	•	•
	PS 31 D	○	R		Metal, Wood	-	-	-	-	-	•	•
	PS 33 B	◑	R		Paint/Varnish/Primer, Wood	•	-	-	-	-	•	•
	PS 33 C	◑	R		Paint/Varnish/Primer, Wood	•	-	-	-	-	•	•
	PL 36 B	○	R		Paint/Varnish/Primer, Wood	•	-	-	-	-	•	•
	PS 73 BW	◑	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	•	•
	PS 73 CW	◑	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	•	•
	VP 73 CW	◑	R		Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	•	-	-	-	-	•	•
	FP 73 W	◑	R	✓	Metal, Fiberglass, Paint/Varnish/Primer, Wood, Plastic/Rubber	-	-	-	-	-		•
	CS 308 YX	●	R		Metal, Wood	•	•	•	•	-	-	-
	LS 309 JF	●	R		Metal, Wood	•	•	-	-	-	-	
	LS 309 J	●	R		Metal, Wood	•	•	-	-	-	-	•
	LS 309 XH	◑	R		Metal, Wood	-	•	-	-	-	-	-
	CS 310 XF	●	R		Metal, Wood	-	•	•	-	-	-	-
	CS 310 X	●	R		Metal, Wood	•	•	-	•	-	-	•
	CS 311 YX	○	R		Metal, Wood	•	•	-	•	-	-	•
	CS 311 Y	○	R	✓	Metal, Wood	•	•	-	•	-	-	•
	LS 312 JF	●	R		Metal, Stainless Steel, Wood	•	•	-	-	-	-	•
	LS 313 JF	◑	R		Metal, Stainless Steel, Wood	•	•	-	-	-	-	-
	LS 318 JF	○	R		Metal, Wood	-	•	-	-	-	-	-
	CS 326 YX	●	R	✓	Metal, Stainless Steel	-	•	-	•	-	-	-
	CS 341 X	●	R	✓	Metal, Stainless Steel	-	•	-	•	-	-	-
	KL 361 JF	●	R		Metal, Wood	•	-	-	-	-	•	-
	KL 371	●	G		Metal	•	-	-	-	-	-	-
	KL 385 JF	●	R		Metal, Wood	•	-	-	-	-	•	•
	CS 412 YX	●	R	✓	Metal, Wood	•	•	•	•	-	-	-
	CS 412 Y	●	R	✓	Metal, Wood	•	•	•	•	-	-	-
	CS 561	●	R		Metal	-	-	-	-	•	-	-
	CS 710 XF	●	R		Metal, Wood	•	•	•	-	-	-	•
	GX 712 JF	●	R	✓	Metal, Stainless Steel	•	•	-	-	-	-	-

Description	Material	Backing	Available Grits	Properties	PSA / Kling-On
SILICON CARBIDE	PS 11 A	Paper	220, 240, 320, 400 - 2000	Wet/Dry	PSA & Kling-On
	PS 11 C	Paper	60 - 180	Wet/Dry	PSA & Kling-On
	PS 19 E	Paper	12, 16, 20, 30 - 120		
	PS 24 F ACT	Paper	80, 120 - 320, 400, 500, 600	Antistatic	
	PS 27 DW	Paper	180 - 600	Stearate, Antistatic	
	PL 35 B	Paper	80 - 320, 400	Stearate	PSA & Kling-On
	CS 320 Y	Polyester	40, 60 - 120, 180		
	CS 321 X	Cloth	80 - 320, 400, 500, 800	Waterproof	
	CS 333 X	Cloth	24, 36, 40, 60 - 150, 240		PSA
	CS 333 JF	Cloth	180, 240, 320		
	CS 538 Z ACT	Polyester	36-180	Antistatic	
	CS 539 Z ACT	Polyester	36 - 180	Antistatic, Crushed Grain	
	GX 533 JF	Polyester/Cloth	80-180, 240, 400, 600		
ALUMINA ZIRCONIA	PS 21 F	Paper	40, 60 - 240, 320, 400		PSA
	PS 36 C	Paper	60 - 220	Stearate	PSA & Kling-On
	PS 36 D	Paper	36, 40	Stearate	PSA & Kling-On
	CS 409 Y	Polyester	36, 40, 50	Multibond lubricant	
	CS 409 YX	Polyester	60, 80, 100, 120	Multibond Lubricant	
	CS 411 X	Cloth	24, 36 - 80, 120		PSA
	CS 411 YX	Polyester	80, 120		
	CS 411 Y	Polyester	24, 36 - 60		
	CS 416 YX	Polyester	60 - 120		
	CS 416 Y	Polyester	24, 36 - 50		
	CS 565	Vulcanized fibre	24, 36, 50 - 100		
	CS 570	Vulcanized fibre	24, 36, 50 - 120	Multibond lubricant	
	CS 811 YY ACT	Polyester	24, 36 - 60		
CERAMIC ALUMINUM OXIDE	PS 61 F	Paper	60, 80, 120-280		PSA & Kling-On
	CS 631 XF ACT	Cloth	60-120	Multibond lubricant	
	CS 910 Y ACT	Polyester	80	Multibond lubricant	
	CS 910 YY ACT	Polyester	24-60	Multibond lubricant	
	CS 912 Y ACT	Polyester	80 - 180		
	CS 912 YY	Polyester	36-60		
	CS 931 JF ACT	Cloth	80 - 120, 180, 240, 320	Multibond lubricant	
	FS 964	Vulcanized fibre	24-80, 120		
	FS 966	Vulcanized fibre	24, 36 - 80	Multibond lubricant	
	GX 931 JF	Polyester/Cloth	60 - 150	Multibond lubricant	

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Description	Type	Coating	Bonding agent	Waterproof	Application	Rolls	Short and long belts	Dynafile Belts	Wide belts	Fibre discs	Strips/Sheets	Discs
SILICON CARBIDE	PS 11 A	●	R	✓	Glass & Stone, Paint/Varnish/Primer, Plastic/Rubber	•	-	-	-	-	•	•
	PS 11 C	●	R	✓	Glass & Stone, Paint/Varnish/Primer, Plastic/Rubber	•	-	-	-	-	•	•
	PS 19 E	○	R		Wood Floor Sanding	•	-	-	-	-	-	•
	PS 24 F	●	R		Metal, Paint/Varnish/Primer, Plastic/Rubber	•	•	-	•	-	-	-
	PS 27 DW	○	R		Wood Finishes, UV Finishes	-	•	-	•	-	-	-
	PL 35 B	○	R		Paint/Varnish/Primer	•	-	-	-	-	•	•
	CS 320 Y	●	R	✓	Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	•	•	•	•	-	-	-
	CS 321 X	●	R	✓	Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	-	•	-	•	-	•	•
	CS 333 X	●	R		Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	-	•	-	•	-	•	•
	CS 333 JF	●	R		Glass & Stone, Metal, Paint/Varnish/Primer, Plastic/Rubber	•	•	-	-	-	•	-
	CS 538 Z	●	R	✓	Panelboard, Particleboard, MDF	-	-	-	•	-	-	-
	CS 539 Z	●	R	✓	Coil Polishing, Stainless Steel	-	-	-	•	-	-	-
	GX 533 JF	●	R	✓	Non Ferous Metals, Paint/Varnish/Primer, Plastic/Rubber	•	•	-	-	-	-	-
ALUMINA ZIRCONIA	PS 21 F	●	R		Metal, Stainless Steel, Wood	•	•	-	•	-	-	•
	PS 36 C	◑	R		Metal, Stainless Steel, Wood	•	-	-	-	-	•	•
	PS 36 D	◑	R		Metal, Stainless Steel, Wood	•	-	-	-	-	•	•
	CS 409 Y	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 409 YX	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 411 X	●	R		Metal, Stainless Steel	•	•	-	-	-	-	•
	CS 411 YX	●	R	✓	Metal, Stainless Steel	•	•	•	•	-	-	-
	CS 411 Y	●	R	✓	Metal, Stainless Steel	•	•	•	•	-	-	-
	CS 416 YX	◑	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 416 Y	◑	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 565	●	R		Metal, Stainless Steel	-	-	-	-	•	-	-
	CS 570	●	R		Metal, Stainless Steel	-	-	-	-	•	-	-
	CS 811 YY	●	R	✓	Metal	•	•	•	-	-	-	-
CERAMIC ALUMINUM OXIDE	PS 61 F	●	R		Metal, Stainless Steel	•	•	-	•	-	-	•
	CS 631 XF	●	R		Metal, Stainless Steel	-	•	•	-	-	-	-
	CS 910 Y	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 910 YY	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 912 Y	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 912 YY	●	R	✓	Metal, Stainless Steel	-	•	•	•	-	-	-
	CS 931 JF	●	R		Metal, Stainless Steel	-	•	-	-	-	-	-
	FS 964	●	R		Carbon Steel, Metal	-	-	-	-	-	-	•
	FS 966	●	R		Metal, Stainless Steel	-	-	-	-	•	-	-
	GX 931 JF	●	R	✓	Metal, Stainless Steel	-	•	-	-	-	-	-

ACT Advanced Coating Technology, ○ Open Coat, ◑ Semi Open Coat, ● Closed Coat, R = Resin, G = Glue

YOUR NOTES

