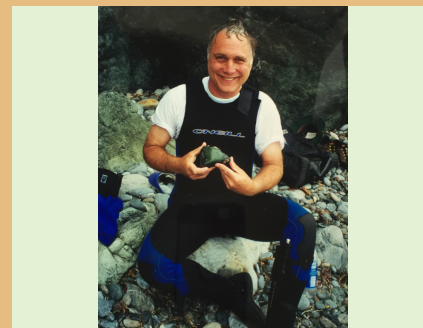
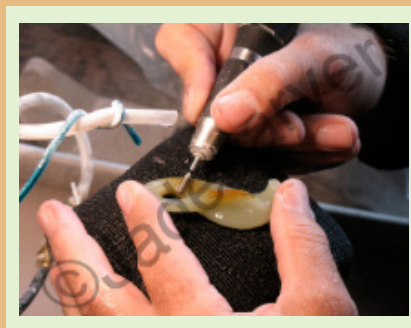


Jadecarver.com

2021 Diamond Tools Catalog



Diamond Tools
Diamond Paste & Powder
Micromotors

**Tools for Stone, Glass, Jewelry &
Industrial Applications**

Welcome to the Jadecarver.com Tools Catalog

Our Products:

We are jade carvers and use the products we sell. Many of our products are custom made for us by factories in the USA, Canada, Europe and China. Our factories make many of these tools to our specifications from our custom CAD drawings which is why many of our tools are unique. Contact us for information regarding quantity custom tool designs.

We reserve the right to vary the specifications and dimensions of our products without notice.

Ordering, Shipping and Payment Information:

Note that the prices and specifications in this catalog are subject to change without notice.

USA Customers can order directly from our web site or call us. Payment by Credit Card or PayPal.

International customers call us or send an email detailing the products wanted. We will then provide shipping options and pricing. Payment by PayPal, Credit Card or wire transfer.

Returns:

Most items may be returned within 7 days of your receiving the product as long as the item has not been installed or used and is returned in its new original packaging. Items that are not returnable are: special orders, motorized devices, diamond paste and diamond powder (we cannot take the chance that they have been contaminated).

Your satisfaction is important to us. Should you encounter a problem with any of our products please contact us.

Caution: Safety Issues:

Always wear eye, body and face protection when using power tools to prevent serious injury.

Use a respirator and dust collection system to prevent inhaling dust, abrasives, grinding and polishing compounds or other debris into your lungs.

Use ear protection when operating motorized devices.

Operate within speed ratings for rotary tools. Failure to do so may result in damage to the equipment and/or personal injury.

When using high speed devices **such as micromotors**, turn the device on at a low speed and then adjust to the desired operating speed. Failure to do so may result in damage to the equipment and/or personal injury.

Shows:

See us in person at shows. Refer to our web site for show dates listed on the **Events** link.

Visit us in Room 122 at the **Pueblo Gem Show in January 27 through February 28, 2022** at:

The Ramada by Wyndham (formally known as the River Park Inn)
777 W Cushing St, Tucson, Arizona

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Thank you for using our products,

David R. Clayton

Owner and Jadecarver



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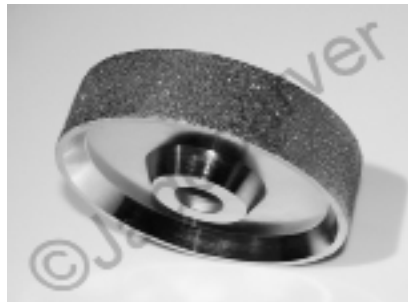
Flat Diamond Grinding Wheels

High quality nickel plated diamond grinding wheels

These wheels have a 1 inch hole. Bushings are available to adapt the wheels to 1/2", 5/8" and 3/4" arbors. Please specify when you order if you need bushings (see page 7).



8"x1-1/2"	Composite, Flat
Part Number	8x1.5CFlat
Max Speed:	2,400rpm
60 grit	\$135.00
80 grit	135.00
120 grit	130.00
220 grit	115.00
400 grit	115.00
600 grit	115.00



8"x1-1/2"	Steel Core, Flat
Part Number	8x1.5SFlat
Max Speed:	2,400rpm
36 grit	\$199.50
80 grit	169.50



4"x1-1/2"	Composite, Flat
Part Number	4x1.5CFlat
Max Speed:	2,400rpm
60 grit	\$91.50
80 grit	89.50
120 grit	79.50
220 grit	72.50
400 grit	72.50
600 grit	72.50



6"x1"	Steel Core, Flat
Part Number	6x1SFlat
Max Speed:	2,400rpm
36 grit	\$123.50
60 grit	118.50
80 grit	102.50
120 grit	88.50
220 grit	78.50
400 grit	78.50
600 grit	78.50



6"x1-1/2"	Steel Core, Flat
Part Number	6x1.5SFlat
Max Speed:	2,400rpm
36 grit	\$146.50
60 grit	141.50
80 grit	139.50
120 grit	129.50
220 grit	109.50
400 grit	109.50
600 grit	109.50



6"x2-1/2"	Steel Core, Flat
Part Number	6x2.5SFlat
Max Speed:	2,400rpm
36 grit	\$210.50
80 grit	199.50
120 grit	184.50
220 grit	169.50

V Diamond Grinding Wheels

High quality nickel plated diamond grinding wheels

These wheels have a 1 inch hole. Bushings are available to adapt the wheels to 1/2", 5/8" and 3/4" arbors. Please specify when you order if you need bushings (see page 7).



6"x1", Steel	60 Degree V
Part Number	6x1SV
Max Speed:	2,400rpm
50 grit	\$93.50
80 grit	85.50
120 grit	79.50
220 grit	73.50
400 grit	73.50
600 grit	73.50



4"x1/2", Steel	30 Degree V
Part Number	4x.5SV
Max Speed:	2,400rpm
80 grit	\$51.50
120 grit	46.50
220 grit	41.50
400 grit	41.50
600 grit	41.50

Convex Diamond Grinding Wheels

High quality nickel plated diamond grinding wheels

These wheels have a 1 inch hole. Bushings are available to adapt the wheels to 1/2", 5/8" and 3/4" arbors. Please specify when you order if you need bushings (see page 7).



6"x1-1/2"	Convex
Part Number	6x1.5SVex
Max Speed:	2,400rpm
50 grit	\$141.50
80 grit	139.50
120 grit	129.50
220 grit	109.50
400 grit	109.50
600 grit	109.50



6"x1"	Convex
Part Number	6x1SVex
Max Speed:	2,400rpm
50 grit	\$118.50
80 grit	102.50
120 grit	88.50
220 grit	78.50
400 grit	78.50
600 grit	78.50



6"x1/2"	Convex
Part Number	6x.5SVex
Max Speed:	2,400rpm
50 grit	\$74.50
80 grit	69.50
120 grit	66.50
220 grit	64.50
400 grit	64.50
600 grit	64.50



6"x1/4"	Convex
Part Number	6x.25SVex
Max Speed:	2,400rpm
50 grit	\$58.50
80 grit	53.50
120 grit	49.50
220 grit	47.50
400 grit	47.50
600 grit	47.50



4"x1/2"	Convex
Part Number	4x.5SVex
Max Speed:	2,400rpm
80 grit	\$47.50
120 grit	43.50
220 grit	41.50
400 grit	41.50
600 grit	41.50



4"x1/4"	Convex
Part Number	4x.25SVex
Max Speed:	2,400rpm
80 grit	\$44.50
120 grit	39.50
220 grit	37.50
400 grit	37.50
600 grit	37.50

Concave Diamond Grinding Wheels

High quality nickel plated diamond grinding wheels

These wheels have a 1 inch hole. Bushings are available to adapt the wheels to 1/2", 5/8" and 3/4" arbors. Please specify when you order if you need bushings (see below).



6"x1-1/2"	Concave
Part Number	6x1.5SCave
Max Speed:	2,400rpm
80 grit	\$139.50
120 grit	129.50
220 grit	109.50
400 grit	109.50
600 grit	109.50



6"x1"	Concave
Part Number	6x1SCave
Max Speed:	2,400rpm
80 grit	\$102.50
120 grit	88.50
220 grit	78.50
400 grit	78.50
600 grit	78.50



4"x1/2"	Concave
Part Number	4x.5SCave
Max Speed:	2,400rpm
80 grit	\$47.50
120 grit	43.50
220 grit	41.50
400 grit	41.50
600 grit	41.50



Bushings	
Part Number	Bushing
1/2 inch wide *	\$2.50
3/4 inch wide **	2.50
1 inch wide	2.50

The outside diameter of the bushings are 1 inch and fit all of our wheels. All bushings telescope to fit 1/2", 5/8" or 3/4" arbors.

*For 1/4" wide wheels use a 1/2" bushing and grind it down to 1/4".

**Use 2 of the 3/4 inch bushings for diamond wheels that are 1-1/2" wide.

Diamond Burr Sets

High quality nickel plated diamond burrs



50pc Set, Lg	1/8" Shaft
Part Number	BS50pcL
Max Speed:	35,000rpm
120 grit	\$29.90



50pc Set, Sm	1/8" Shaft
Part Number	BS50pcS
Max Speed:	40,000rpm
36 grit	\$24.00
80 grit	20.50
120 grit	19.50
220 grit	19.50
400 grit	19.50
600 grit	19.50



30pc Set	1/8" Shaft
Part Number	BS30pc
Max Speed:	40,000rpm
36 grit	\$14.00
80 grit	13.00
120 grit	12.00
220 grit	12.00
400 grit	12.00
600 grit	12.00



Ball Burr Set	1/8" Shaft
2mm - 15mm	14pc Set
Part Number	BBS14pc
Max Speed:	40,000rpm
36 grit	\$32.50
80 grit	29.50
120 grit	28.50
220 grit	28.50
400 grit	28.50
600 grit	28.50



20pc Large Set	1/4" Shaft
Part Number	LBS20pc
Max Speed:	5,000rpm
36 grit	\$32.50
80 grit	30.50
120 grit	29.50
220 grit	29.50
400 grit	29.50
600 grit	29.50

Diamond Burr Sets

High quality nickel plated diamond burrs



V Burr Set	1/8" Shaft
19mm OD	3pc Set
Part Number	VBS3pc
Max Speed:	16,000rpm
80 grit	\$21.00
120 grit	21.00
220 grit	21.00
400 grit	21.00



Radius Burr Set	1/8" Shaft
To Radius Holes	4pc Set
Part Number	RadiusBS
Max Speed:	18,000rpm
80 grit	\$28.00
120 grit	28.00
220 grit	28.00
400 grit	28.00



Cup Set, Small	1/8" Shaft
2-10mm, OD	9pc Set
Part Number	CupBSS9pc
Max Speed:	18,000rpm
120 grit	\$19.90
220 grit	19.90
400 grit	19.90



V Burr Set	3/32" Shaft
4, 6, 8, 10mm OD	8pc Set
Part Number	VBS8pc
Max Speed:	18,000rpm
220 grit	\$25.00
400 grit	25.00

Diamond Burrs

High quality nickel plated diamond burrs



Tire Burr	1/4" Shaft
1.5" D x 1/2" W	38mm x 13mm
Part Number	TB38X13
Max Speed:	18,000rpm
36 grit	\$33.00
80 grit	30.00
120 grit	29.00
220 grit	28.00
400 grit	28.00
600 grit	28.00



Tire Burr	1/4" Shaft
1.5" D x 1/4" W	38mm x 6mm
Part Number	TB38X6
Max Speed:	18,000rpm
36 grit	\$29.00
80 grit	27.00
120 grit	26.00
220 grit	25.00
400 grit	25.00
600 grit	25.00



Tire Burr	1/8" Shaft
1" Diameter	25mm Dia
Part Number	TB25
Max Speed:	18,000rpm
36 grit	\$18.00
80 grit	16.00
120 grit	16.00
220 grit	16.00
400 grit	16.00
600 grit	16.00



Bullet Burr Lg	1/4" Shaft
1.62" Diameter	4-1/2" OL
Part Number	BullB1.6
Max Speed:	5,000rpm
80 grit	72.00
120 grit	65.00
220 grit	65.00
400 grit	65.00
600 grit	65.00



Bullet Burr Md	1/4" Shaft
1.12" Diameter	3-1/4" OL
Part Number	BullB1.1
Max Speed:	5,000rpm
80 grit	44.00
120 grit	39.50
220 grit	39.50
400 grit	39.50
600 grit	39.50

Diamond Burrs

High quality nickel plated diamond burrs



Carver Burrs	1/4" Shaft
40/50 grit	
Part Number	CarverB
Max Speed:	15,000rpm
3/4" Diameter	\$8.50
1" Diameter	11.50
1-1/2" Diameter	16.00
2" Diameter	19.00
3" Diameter	29.00



Cone Burr	1/4" Shaft
~3/4" Diameter	19mm Dia
Part Number	ConeB19
Max Speed:	18,000rpm
36 grit	\$20.00
80 grit	18.00
120 grit	18.00
220 grit	18.00
400 grit	18.00
600 grit	18.00



Ball Burr	1/4" Shaft
1" Diameter	25mm Dia
Part Number	25BB
Max Speed:	18,000rpm
36 grit	\$25.00
80 grit	23.00
120 grit	23.00
220 grit	23.00
400 grit	23.00
600 grit	23.00



Oval Burr Lg	1/4" Shaft
3/4" Diameter	3.75" OL
Part Number	OvalLBR
Max Speed:	9,000rpm
80 grit	19.00
120 grit	18.00
220 grit	18.00
400 grit	18.00
600 grit	18.00



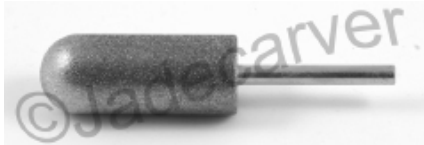
Ball Burr	1/4" Shaft
1-1/2"	38mm Dia
Part Number	38BB
Max Speed:	18,000rpm
36 grit	\$30.00
80 grit	28.00
120 grit	28.00
220 grit	28.00
400 grit	28.00
600 grit	28.00



Oval Burr Sm	1/8" Shaft
1/2" Diameter	1.75" OL
Part Number	OvalSBR
Max Speed:	9,000rpm
80 grit	9.90
120 grit	9.00
220 grit	9.00
400 grit	9.00
600 grit	9.00

Diamond Burrs

High quality nickel plated diamond burrs



R Drum Burr	1/4" Shaft
1" Diameter	OL = 4-1/2"
Part Number	DrumBR
Max Speed:	18,000rpm
36 grit	\$42.00
80 grit	38.00
120 grit	36.00
220 grit	35.00
400 grit	35.00
600 grit	35.00



Drum Burr	1/4" Shaft
1" Diameter	OL = 4-1/2"
Part Number	DrumB
Max Speed:	18,000rpm
36 grit	\$42.00
80 grit	38.00
120 grit	36.00
220 grit	35.00
400 grit	35.00
600 grit	35.00



Star Burr	1/4" Shaft
3/4" Diameter	20mm Dia
Part Number	StarB
Max Speed:	18,000rpm
80 grit	\$19.50
120 grit	19.50
220 grit	19.50
400 grit	19.50



Hourglass Burr	1/8" Shaft
12mm Dia	14mm Long
Part Number	12HGB
Max Speed:	18,000rpm
36 grit	\$18.00
80 grit	16.00
120 grit	16.00
220 grit	16.00
400 grit	16.00
600 grit	16.00

Sintered Diamond Burrs

High quality sintered diamond burrs



Sintered Burrs	3/32" Shaft
Part Number	Call
Max Speed:	
.016 to .050:	30,000rpm
1.6 to 5mm	\$28.00
Larger than 5mm	Call

Our experience with using Varankor sintered burrs is that they last more than 20 time longer than plated burrs when used on jade. Sintered burrs have diamond embedded in the heads all the way through to the shaft.

Professionals usually have a full set of sintered burrs of their favorite shapes in their tool kit. Hobbyists start out with a few sintered burrs of the shapes they use the most and gradually increase their collection over time.

Please visit our web site at www.jadecarver.com to view detailed pictures, descriptions, part numbers and pricing of the sintered burrs we stock:

Jadecarver.com:

--> Diamond Tools

----> Burrs

-----> Sintered Burrs

Thank you,

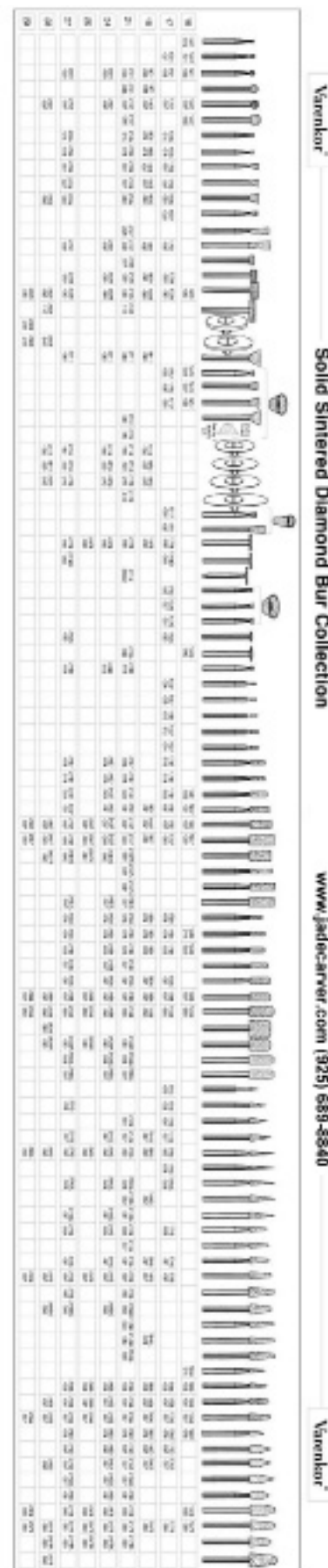
~David Clayton

Part Number	Price
10	\$28.00
11	\$28.00
12	\$28.00
13	\$28.00
14	\$28.00
15	\$28.00
16	\$28.00
17	\$28.00
18	\$28.00
19	\$28.00
20	\$28.00

Designed by:
Charles & Linda
 381 E. 1st Street
 Chula Vista, CA 92011
 619-591-1111
www.jadecarver.com



Castor
 Always use operating speeds:
 .016 Dia to .050 Dia: 30,000 rpm
 .051 Dia to .100 Dia: 20,000 rpm
 .101 Dia to .150 Dia: 15,000 rpm
 .151 Dia to .200 Dia: 10,000 rpm
 .201 Dia to .250 Dia: 8,000 rpm
 .251 Dia to .300 Dia: 6,000 rpm
 .301 Dia to .350 Dia: 5,000 rpm
 .351 Dia to .400 Dia: 4,000 rpm
 .401 Dia to .450 Dia: 3,000 rpm
 .451 Dia to .500 Dia: 2,000 rpm
 .501 Dia to .550 Dia: 1,500 rpm
 .551 Dia to .600 Dia: 1,000 rpm
 .601 Dia to .650 Dia: 800 rpm
 .651 Dia to .700 Dia: 600 rpm
 .701 Dia to .750 Dia: 500 rpm
 .751 Dia to .800 Dia: 400 rpm
 .801 Dia to .850 Dia: 300 rpm
 .851 Dia to .900 Dia: 200 rpm
 .901 Dia to .950 Dia: 150 rpm
 .951 Dia to 1.000 Dia: 100 rpm



Plated Diamond Drills

High quality nickel plated diamond drills



Solid Drills	Package of 25
Part Number	25pcDrill
Max Speed:	18,000rpm
.75mm Dia	\$27.50
1.0mm Dia	27.50
1.25mm Dia	28.00
1.5mm Dia	28.50
2.0mm Dia	29.50
2.5mm Dia	30.50

Solid Drills	Package of 100
Part Number	100pcDrill
Max Speed:	18,000rpm
.75mm Dia	\$105.00
1.0mm Dia	105.00
1.25mm Dia	107.00
1.5mm Dia	109.00
2.0mm Dia	113.00
2.5mm Dia	117.00



Twist Diamond	Drill Set
1, 1.25, 1.5, 2.0	& 2.5mm
Part Number	5pcTwDrillSet
Max Speed:	2000rpm
5pc Set:	\$13.00



Core Drills	Straight Shaft
Part Number	CD
Max Speed:	2,000rpm
2.5mm	\$2.25
3mm	2.75
4mm	3.50
6mm, ~1/4"	5.50
8mm	7.50
10mm	9.50



Core Drills	1/4" Shaft
Part Number	CD
Max Speed:	1,800rpm
13mm, ~1/4"	\$12.50
Max Speed:	1,600rpm
16mm, ~5/8"	14.50
Max Speed:	1,500rpm
19mm, ~3/4"	16.50
Max Speed:	1,200rpm
25mm, ~1"	22.00
Max Speed:	1,100rpm
32mm	25.00
Max Speed:	1,000rpm
38mm	28.00
Max Speed:	1,000rpm
50mm, ~2"	38.00

Sintered Diamond Drills

High quality sintered diamond core drills have diamond imbedded throughout the bronze, resulting in drills that last more than 4 times longer than plated drills.



Core Drills	1/8" Shaft
Part Number	SCD6mm
Max Speed:	2,000rpm
6mm, ~1/4"	\$9.50



Core Drills	1/4" Shaft
Part Number	SCD
Max Speed:	1,800rpm
13mm, ~1/2"	\$17.50
Max Speed:	1,500rpm
19mm, ~3/4"	25.00
Max Speed:	1,100rpm
25mm, ~1"	36.00
Max Speed:	1,000rpm
38mm, ~1-1/2"	50.00
Max Speed:	1,000rpm
51mm, ~2"	68.00



Core Drill, Long	1/2" Shaft
Overall Length:	180mm
Part Number	LSCD
Max Speed:	1,800rpm
13mm, ~1/2"	\$28.00
Max Speed:	1,600rpm
16mm, ~5/8"	31.00
Max Speed:	1,500rpm
19mm, ~3/4"	34.00
Max Speed:	1,100rpm
25mm, ~1"	45.00
Max Speed:	1,000rpm
38mm, ~1-1/2"	65.00
Max Speed:	1,000rpm
51mm, ~2"	88.00
Max Speed:	950rpm
63mm, ~2-1/2"	94.00
Max Speed:	900rpm
76mm, ~3"	124.00
Max Speed:	850rpm
89mm, ~3-1/2"	137.00
Max Speed:	800rpm
101mm, ~4"	149.00

Saw Blades

Nickel plated diamond saw blades



Saw Blade	1/8" Shaft
Plated	
Part Number	SawBlade
Max Speed:	900rpm
1" Diameter	\$5.00
2" Diameter	10.00

Diamond Files

High quality nickel plated diamond files and reamers



Straight File Set	
10pc Set	5.5" Long
Part Number	SFS10pc
80 grit	\$15.50
120 grit	14.50
220 grit	14.50
400 grit	14.50



Rafter File Set	
10pc Set	5.5" Long
Part Number	RFS10pc
36 grit	\$17.00
80 grit	15.50
120 grit	15.00
220 grit	15.00
400 grit	15.00

Diamond Flat Laps

High quality nickel plated 1mm thick solid steel diamond flat laps with a 1/2" hole



8" Diamond Lap	~1mm Thick
1/2" Hole, Part #	Lap8
Must be used with backer plate	
Max Speed:	2,000rpm
36 grit	\$26.50
60 grit	24.50
80 grit	24.50
120 grit	24.00
180 grit	24.00
260 grit	24.00
360 grit	24.00
600 grit	24.00
1200 grit	24.00
3000 grit	24.00



6" Diamond Lap	~1mm Thick
1/2" Hole, Part #	Lap6
Must be used with backer plate	
Max Speed:	2,000rpm
36 grit	\$17.00
60 grit	15.50
80 grit	15.50
120 grit	15.00
180 grit	15.00
260 grit	15.00
360 grit	15.00
600 grit	15.00
1200 grit	15.00
3000 grit	15.00

Diamond Powder, Paste & Felt Bobs

High quality diamond abrasives and felt bobs



Diamond Paste	5 grams
Part Number	DPaste5gr
11 Syringe Set	\$44.00
120 grit	4.50
220 grit	4.50
325 grit	4.50
600 grit	4.50
1200 grit	4.50
3000 grit	4.50
8000 grit	4.50
14000 grit	4.50
20000 grit	4.50
50000 grit	4.50
100000 grit	4.50



Dia Powder	100cts
Part Number	DPowder100ct
36 grit	\$29.00
75 grit	25.00
150 grit	25.00
300 grit	25.00
600 grit	25.00
1200 grit	25.00
3000 grit	25.00
8000 grit	25.00
20000 grit	25.00
50000 grit	25.00
100000 grit	25.00

Felt Bobs

For use with Diamond Paste and Oxides



Hard Felt Cyl	3.5" Diameter
Part Number	CylBob3.5
Max Speed:	1,000rpm
	\$29.00



Hard Felt Cyl	2" Diameter
Part Number	CylBob1.5
Max Speed:	1,000rpm
	\$15.50



Hard Felt Ball	1.5" Diameter
Part Number	BallBob1.5
Max Speed:	1,000rpm
	\$19.50



Felt Bob Set	3pc, Hard Felt
Part Number	VBobSet
Max Speed:	1,000rpm
	\$8.50



Felt Bob Set	5pc Hard Felt
Part Number	CylBob3.5
Max Speed:	1,000rpm
	\$11.00



Felt Bob Set	10pc Hard Felt
Part Number	CylBob3.5
Max Speed:	1,000rpm
	\$17.00

Diamond Pads & Diamond Cloth

With hook and loop backing



Diamond Pads	2" Diameter
With Hook and	Loop Backing
Part Number	FlatPad2
Max Speed:	3,700rpm
60 grit	\$18.00
80 grit	17.40
120 grit	15.50
220 grit	15.00
400 grit	15.00
600 grit	15.00
1200 grit	16.00
Set of 7	\$95.00



Diamond Cloth	11-1/2" x 4"
Part Number	DiaCloth
Durable Backing	
120 grit	\$135.00
220 grit	130.00
400 grit	125.00
600 grit	125.00
1200 grit	125.00

Diamond Belts & Paper, SC Belts, Drums

Expandible drums and silicon carbide belts for the stone, tile and wood working industries

High quality diamond paper and belts



Pneumatic Drum	Set of 3, 3/8" Shaft
Part Number	DrumSetPn
Max 17psi 9000rpm	1-3/4"D x 2-1/2"
Max 7psi 7000rpm	2-1/2"D x 3-5/8"
Max 15psi 5000rpm	3-3/4"D x 5-3/8"
Set:	\$119.00



Silicon Carbide	Belts
Part Number	SCBeltsDrum
80g, 120g, 220g	400g & 600 grit
Max Speed:	9,000rpm
1-3/4"D x 2-1/2"	\$1.25
Max Speed:	7,000rpm
2-1/2"D x 3-5/8"	\$2.25
Max Speed:	5,000rpm
3-3/4"D x 5-3/8"	\$3.25

Silicon Carbide Blocks

High quality silicon carbide blocks

Soft binder blocks conform to the curve of the carving after a few strokes.



Silicon Carbide	Blocks
Part Number	SCBlocksSmS
Soft Binder	6"x1/2"x1/4"
220 grit	\$6.50
400 grit	6.50
600 grit	6.50
1200 grit	6.50
Set of four grits:	\$23.00

Silicon Carbide	Blocks
Part Number	SCBlocksSmH
Hard Binder	6"x1/2"x1/4"
220 grit	\$6.50
400 grit	6.50
600 grit	6.50
1200 grit	6.50
Set of four grits:	\$23.00



Silicon Carbide	Blocks
Part Number	SCBlocksLgS
Soft Binder	6"x1"x1/2"
220 grit	\$9.50
400 grit	9.50
600 grit	9.50
1200 grit	9.50
Set of four grits:	\$34.00

Silicon Carbide	Blocks
Part Number	SCBlocksLgH
Hard Binder	6"x1"x1/2"
220 grit	\$9.50
400 grit	9.50
600 grit	9.50
1200 grit	9.50
Set of four grits:	\$34.00

Application Tips For Silicon Carbide Blocks:

Soft Binder Applications and Tips:

- *Take out tool marks and scratches.
- *Smooth curves in pendants and carvings.
- *After several long strokes the silicon carbide block will conform to the curve of the stone.
- *Use long strokes to maintain smooth curves.

Hard Binder Applications and Tips:

- *Use to define lines in pendants and carvings.
- *Sharpen knives.

Use a trim saw to create custom shapes to get into tight areas.

Use a little water to maintain a slurry.

NSK Micromotor

We are an authorized dealer for NSK



NSK MicroMotor Kit	Espt 500 Torque
List Price	\$1,855.00
Your Price	Call Us

For years have sold the NSK Espt 500 Torque Set to professional jade carvers around the world. The Espt 500 precision hand piece can be balanced on one finger at 50,000 rpm. The motor is in the hand piece so there is no rotating shaft in the cable leading to the hand piece. Consequently there is very little vibration in the hand piece and the cable does not torque the wrist when using the hand piece. One can work for hours with this hand piece performing highly detailed work and not come away with a sore hand due to torque and vibration issues.

Attachment



Speed Reducer



Motor



Control Unit



Foredom Tools

Visit www.foredom.net to view all of Foredom's products

We are a Master Distributor for Foredom. If a Foredom product is not in stock we can have it drop-shipped directly to you from Foredom. Call or email us for items not listed below.



Jeweler's Kit	
Part Number	K.2230
List Price	\$351.52
Your Price	\$282.00



Carving Kit	
Part Number	KTX.300
List Price	\$432.64
Your Price	\$346.00



Drill Press	
Part Number	P-DP30
List Price	\$175.76
Your Price	\$144.00



Angle Grinder	With H.30 Handpiece
Part Number	AK69130
List Price	\$182.00
Your Price	\$149.00



Grinder Head	w/o Handpiece
Part Number	AK69110
List Price	\$124.80
Your Price	\$109.00



Filter Hood	
Part Number	MAFH25
List Price	\$310.96
Your Price	\$259.00

Grinding, Polishing and Safety Tips

Stone Grinding Tips:

Remove material with coarse grits and then use successive finer grits to prepare for the polishing stages.

For example use 80 or 120 grit to remove excess material. Note that 600 grit tools are designed to remove 400 grit scratches, 400 grit tools are designed to remove 220 grit scratches, 220 grit tools are designed to remove 120 grit scratches. Skipping a grit will cause the finer grits to wear out prematurely. Trying to remove material with a 400 or 600 grit plated burr will result in wearing out the tool in minutes. However one *can* remove material with 220, 400 and 600 grit sintered burrs.

Note that 80 and 120 grit tools are not appropriate for some stones like opals.

Stone Polishing Tips:

Do some research on the type of stone you are polishing.

After one finishes with 600 grit diamond tools some stones can be polished in one step with tin oxide, chrome oxide, Linde A or other polishing compounds.

Many other stones may be polished by using the sequence of 600, 1200, 3000, 8000, 20000, 50000 grit diamond paste on felt bobs or leather.

Micromotor Operating Tips:

The NSK Micromotor has such a high torque capability that it can bend burrs in half if started at high speeds and/or if the burr is not seated all the way into the collet. This can cause serious injury and it can also cause damage to the handpiece. To prevent this from happening start the micromotor at low speeds and then adjust to the higher speeds as desired within the maximum speed ratings of the burr being used.

We recommend the collet be unscrewed and cleaned with QTips and alcohol after every 12 hours of use. After cleaning the collet, lightly lubricate the outside of the collet with clear general purpose grease. While the collet is removed from the handpiece clean the tip area as well as the exterior of the handpiece.

Periodically use compressed air to *lightly* blow out the powder and debris around the intake and exhaust ports of the motor on the handpiece. You can use the canned compressed air that is available in office supply stores. Just a couple short blasts will work. Do not spray continuously as freezing air can damage the O-rings.

Safety Tips:

Always wear eye, face and body protection when using any power tool to prevent serious injuries.

Always use a respirator or dust collection system to prevent inhaling dust, abrasives, grinding or polishing compounds or other debris into your sinuses and lungs.

Use ear protection when operating motorized devices.

Stay within manufacturers speed ratings for rotary tools.

When using high speed devices such as micromotors, turn the device on at a low speed and then adjust to the desired operating speed. Failure to do so may result in damage to the equipment and or personal injury.

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