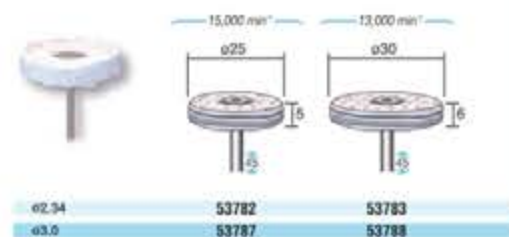


FELT BOBS

SHANK 2.34, 3.0

5 pcs. pack Cotton Bobs



ø2.34	53782	53783
ø3.0	53787	53788

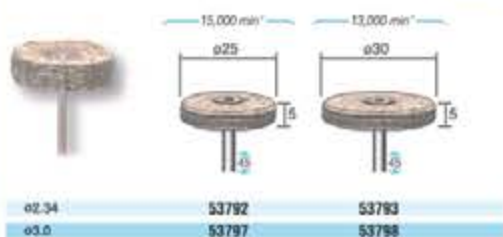
3 pcs. pack



53790

5 pcs. pack Dark Brown Cotton Bobs

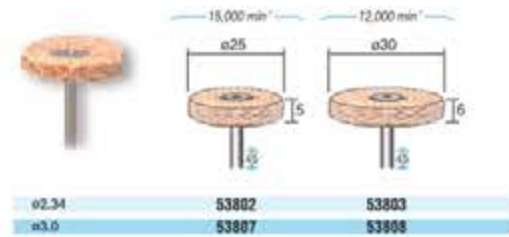
For metal semi-finishing. Using polishing materials.



ø2.34	53792	53793
ø3.0	53797	53798

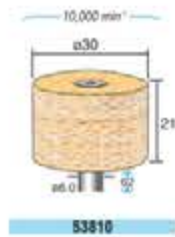
SHANK 2.34, 3.0

5 pcs. pack Sisal Bobs



ø2.34	53802	53803
ø3.0	53807	53808

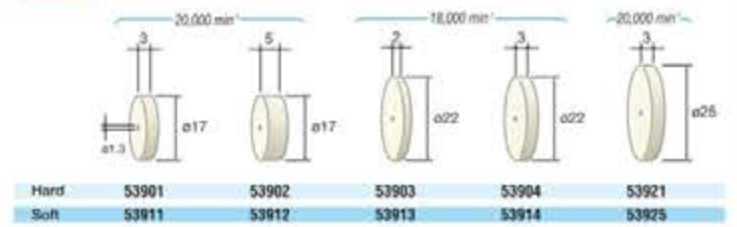
3 pcs. pack



53810

SHANK 1.3

10 pcs. pack

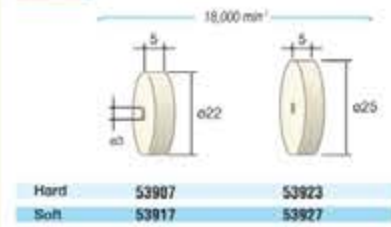


Hard	53901	53902	53903	53904	53921
Soft	53911	53912	53913	53914	53925

Use after attaching to mandrel P.29 (No. 37011, 37012, 37015, 37051).
Mandrel needs to be purchased separately.

SHANK 3.0

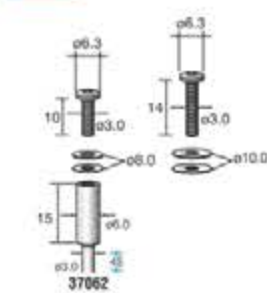
10 pcs. pack



Hard	53907	53923
Soft	53917	53927

Use after attaching to mandrel (No. 37052).
Mandrel needs to be purchased separately.

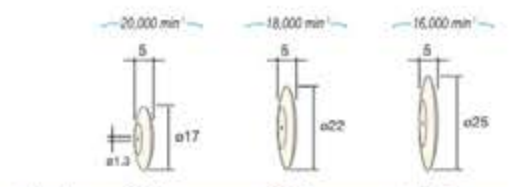
3 pcs. pack Mandrels



37062

SHANK 1.3

10 pcs. pack Knife Edge Type



Hard	53931	53932	53933
------	-------	-------	-------

Use after attaching to mandrel P.29 (No. 37011, 37012, 37015, 37051).
Mandrel needs to be purchased separately.

SHANK 3.0

16 pcs. pack Polishing Piled Bobs Assorted Set



54185			
Set (10 pieces)			
(Each code No. one piece pack)			
53312	53351	53412	53716
53316	53353	53416	53736
53318	53355	53442	53741
53320	53357	53446	53765

ABRASIVE COMPOUNDS & POLISHING TOOLS

1 pc. pack Diamond Compounds



Standard	Water Soluble	55101 (Black)	55102 (Violet)	55103 (Brown)	55104 (Red)	55106 (Blue)	55108 (Green)	55109 (Orange)	55110 (Yellow)
Oil-Based	55121 (Black)	55122 (Violet)	55123 (Brown)	55124 (Red)	55126 (Blue)	55128 (Green)	55129 (Orange)	55130 (Yellow)	55130 (Yellow)
Heavy	Oil-Based	55242 (Violet)	55243 (Brick-red)	55244 (Red)	55246 (Blue)	55248 (Green)	55249 (Orange)	55250 (Yellow)	55250 (Yellow)

The color in the illustration is the standard type.
The micron grades indicate median range of grain diameters. We recommend weak solutions for grinding, polishing, etc.

1 pc. pack Diamond Compounds

cf. Country of manufacture USA



Standard	Water Soluble	55111 (Ivory)	55112 (White)	55133 (Gray)
Oil-Based	55131 (Ivory)	55132 (White)	55133 (Gray)	55133 (Gray)

The color in the illustration is the standard type.
The micron grades indicate median range of grain diameters. We recommend weak solutions for grinding, polishing, etc.

1 pc. pack Diamond Micron Powder

Micron Range (µm)	10 Carats	90 Carats	Micron Range (µm)	10 Carats	90 Carats
80-100 (#200)	55301	55311	6-12 (#1,000)	55306	55316
40-60 (#400)	55302	55312	4-6 (#3,000)	55307	55317
30-40 (#600)	55303	55313	2-4 (#6,000)	55308	55318
20-30 (#900)	55304	55314	0-2 (#14,000)	55309	55319
10-20 (#1,200)	55305	55315	0-1 (#28,000)	55310	55320

1 pc. pack Diamond Compound, Weak Solution

cf. Country of manufacture USA



Water Soluble 500 cc	55331
Oil-based 500 cc	55332

2 pcs. pack Polishing Compound (Solid Type)



For Metals	Applications	Code	Applications
Alumina for metal pre-finishing (white rouge)	Aluminum, stainless steel, brass, chrome, etc.	55341	
Tripoli for metal pre-finishing (red rouge)	Iron, aluminum, etc.	55342	
Chrome oxide for metal finishing (blue rouge)	Precious metals, aluminum, stainless steel, brass, copper alloys, etc.	55343	
For Resins	Applications	Code	Applications
For resin pre-finishing (white rouge)	For synthetic resins and coated surfaces	55345	
For resin finishing (white rouge)	For synthetic resins and acrylics for coated surfaces	55346	



The latest technology in polishing. These stones are very flexible and can be ground to shape. They are very long lasting and will hold the desired shape even after long use.

1 pc. pack Ceramic Fiber Grindstone (Total Length 100 mm)



Grit	Color	Code	Code	Code	Code	Code	Code
#70	Ivory	55514	55534	55554	55584	55604	55604
#300	Brown	55515	55535	55555	55585	55605	55605
#400	Orange	55516	55536	55556	55586	55606	55606
#600	Black	55517	55537	55557	55587	55607	55607
#800	Blue	55518	55538	55558	55588	55608	55608
#1000	White	55519	55539	55559	55589	55609	55609
#1200	Pink	55520	55540	55560	55590	55610	55610

Diamond / CBN
Carbide Cutters
Specialty Tools
Mounted Points
Rubberized Abrasives
Flap Wheels
Polishing Brushes
Felt Bobs
Abrasive Compounds & Polishing Tools
NSK Exclusive Tools

ABRASIVE COMPOUNDS & POLISHING TOOLS

1 pc./pack Ceramic Fiber Grindstone (Total Length 100 mm)

Grit	Color	55614	55626	55656	55686	55726	55744	55764
#150	Ivory	—	—	—	—	—	55744	55764
#320	Brown	—	—	—	—	—	55745	55765
#600	Orange	55616	55628	55658	55688	55728	55746	55766
#800	Black	55617	—	—	—	—	55747	55767
#1000	Blue	—	—	—	—	—	55748	55768
#1500	White	55629	55659	55689	55729	55749	55769	55789
#2000	Pink	55630	55660	55690	55730	55750	55770	55790

2 pc./pack Special Hand Holder For Ceramic Fiber Grindstones

Flat (hold thickness 0.5-2 mm) Weight: 13 g

d	55461	55462	55463	55464
For 2 mm width	55461	55462	55463	55464
For 4 mm width	55461	55462	55463	55464
For 6 mm width	55461	55462	55463	55464
For 10 mm width	55461	55462	55463	55464

4 Types (For 2, 4, 6 and 10 mm width) 55465



1 pc./pack Rounded Hand Holder (Pin Vice)

Weight: 22 g

• Attachable shank diameter is $\phi 2.7-3.0$ mm

57631

6 pc./pack WA Abrasive Fiber Grindstone

Grit	56156	56161	56166
#150	56156	56161	56166
#320	56122	56157	56162
#600	56123	56158	56163
#800	56124	56159	56164
#1000	56125	56160	56165

6 pc./pack WA Abrasive Fiber Grindstone

Grit	56231	56241	56245
#150	56231	56241	56245
#320	56232	56242	56246
#600	56233	56243	56247
#800	56234	56244	56248

6 pc./pack WA Abrasive Fiber Grindstone

Grit	56341	56361	56371	56381
#150	56341	56361	56371	56381
#320	56342	56362	56372	56382
#600	56343	56363	56373	56383
#800	56345	56365	56375	56385
#1000	56346	56366	56376	56386

6 pc./pack GC/SiC Abrasive Fiber Grindstone

Grit	56417	56432	56437	56442
#150	56417	56432	56437	56442
#320	56418	56433	56438	56443
#600	56419	56434	56439	56444
#800	56420	56435	56440	56445

1 pc./pack Electroplated Diamond Sheet (Dot-Pattern Electroplated Type)

• Strongly bonded diamond-electroplated nickel alloy sheets.

Grit	Grain Diameter	Color	56701
# 60	250 μ	Green	56701
# 120	125 μ	Black	56702
# 200	74 μ	Red	56703
# 400	40 μ	Yellow	56704
# 800	20 μ	Gray	56705

Thickness 0.8 mm

1 pc./pack Electroplated Diamond Sheet (Fully Electroplated Type)

• Ultra-thin copper alloy is used for base material. Diamond abrasive is electroplated on the full sheet.

Grit	Size mm	56731	56741	56736	56746
# 120	100 x 20	56731	56741	56736	56746
# 150	100 x 50	56732	56742	56737	56747
# 200	100 x 50	56733	56743	56738	56748
# 300	100 x 50	56734	56744	56739	56749
# 400	100 x 50	56735	56745	56740	56750

Thickness 0.3 mm

ABRASIVE COMPOUNDS & POLISHING TOOLS

1 pc./pack Diamond Lapping Film (Film Coated Type)

• Fine grain diamond is coated on a strong polyester film.

Grit	Grain Diameter	Color	56802
# 400	40 μ	Ivory	56802
# 800	25 μ	Ivory	56804
# 1,000	15 μ	Ivory	56805
# 1,500	12 μ	Ivory	56806
# 3,000	6 μ	Ivory	56807

Thickness 0.2 mm

1 pc./pack Felt Sheet

• Ideal for fine finishing with various abrasive compounds.

Thickness	56901
1 mm	56901
2 mm	56902
3 mm	56903

Size: (A4) 210 mm x 300 mm

1 pc./pack Abrasive Embedded Felt Sheet

• Chrome oxide (green rouge) is embedded into the felt sheet.

Thickness	56911
1 mm	56911

Size: (A4) 210 mm x 300 mm

5 pc./pack Lapping Film Sheet

Grit	Grain Diameter	Color	56962
# 400	40 μ	Ivory	56962
# 600	30 μ	Green	56963
# 800	20 μ	Blue	56964
# 1,000	15 μ	Purple	56965
# 1,500	10 μ	Yellow Ochre	56966
# 3,000	5 μ	Yellow	56968
# 6,000	2 μ	Light Blue	56969
# 10,000	1 μ	Yellow	56970

Size: 280 mm x 230 mm



1 pc./pack Diamond Files (Flat Taper)

Grit	56301
# 200	56301
# 400	56302
# 600	56303

Thickness 1.4 mm

1 pc./pack Diamond Files (Flat, Half-Round, Round, Angular)

Grit	56311
# 150	56311

Thickness 1.4 mm

Grit	56315
# 150	56315

Thickness 1.4 mm

Grit	56313
# 150	56313

Thickness 1.4 mm

Grit	56317
# 150	56317

Thickness 1.4 mm

1 pc./pack Diamond Files (Flat Taper, Flat)

Grit	56201
# 200	56201
# 400	56202
# 600	56203

Thickness 1.4 mm

Grit	56205
# 200	56205
# 400	56206
# 600	56207

Thickness 1.4 mm

Grit	56211
# 150	56211
# 200	56212
# 400	56213

Thickness 1.4 mm

Grit	56214
# 100	56214

Thickness 1.4 mm

1 pc./pack Diamond Files (Flat, Angular)

Grit	56215
# 150	56215
# 200	56216
# 400	56217

Thickness 1.4 mm

Grit	56221
# 150	56221
# 200	56222
# 400	56223

Thickness 1.4 mm

Grit	56225
# 150	56225
# 200	56226
# 400	56227

Thickness 1.4 mm

Grit	56231
# 150	56231
# 200	56232
# 400	56233

Thickness 1.4 mm

ABRASIVE COMPOUNDS & POLISHING TOOLS

SHANK 3.0
Diamond Files (Round, Round taper)

ø1 15		Gr#	
		# 100	62840
		# 150	62841
		# 200	62842
ø2 15		Gr#	
		# 150	62845
		# 200	62846
		# 400	62847

ø3 20		Gr#	
		# 150	62851
		# 200	62852
		# 400	62853
ø3.5 25		Gr#	
		# 150	62855
		# 200	62856
		# 400	62857

SHANK 3.0
Diamond Files (Half-Round, Triangular)

1.5 15		Gr#	
		# 150	62865
		# 200	62866
		# 400	62867
2 20		Gr#	
		# 150	62871
		# 200	62872
		# 400	62873

Δ 2.6 20		Gr#	
		# 150	62881
		# 200	62882
		# 400	62883



SHANK 3.0
Diamond Files (Flat Taper)

0.6 1.2		Gr#	
		# 200	57101
		# 400	57102
		# 600	57103
0.6 1.4		Gr#	
		# 200	57104
		# 400	57105
		# 600	57106

SHANK 3.0
Diamond Files (Flat Taper, Thin Flat, Flat)

0.6 1.6		Gr#	
		# 200	57107
		# 400	57108
		# 600	57109
0.5 1.5		Gr#	
		# 150	57110
		# 200	57111
		# 400	57112

0.8 1.5		Gr#	
		# 150	57113
		# 200	57114
		# 400	57115
1.4 1.6		Gr#	
		# 120	57116
		# 200	57117
		# 400	57118

SHANK 1.0, 2.0, 3.0, 3.4
Diamond Files (Round)

ø1 40		Gr#	
		# 200	57131
		# 400	57132
		# 600	57133
ø2 40		Gr#	
		# 200	57133
		# 400	57134
		# 600	57135

ø3 50		Gr#	
		# 120	57135
		# 200	57136
		# 400	57137
ø3.5 60		Gr#	
		# 120	57138
		# 200	57139
		# 400	57140

SHANK 3.0, 3.4
Diamond Files (Half-Round)

2 5		Gr#	
		# 120	57141
		# 200	57142
		# 400	57143
2 6		Gr#	
		# 120	57144
		# 200	57145
		# 400	57146

SHANK 3.0, 3.4
Diamond Files (Angular)

2.5 2.5		Gr#	
		# 120	57151
		# 200	57152
		# 400	57153
3 3		Gr#	
		# 120	57154
		# 200	57155
		# 400	57156

ABRASIVE COMPOUNDS & POLISHING TOOLS

SHANK 3.0, 3.4
Diamond Files (Triangular, Elliptical, Blade)

3.5 3.5		Gr#	
		# 120	57155
		# 200	57156
		# 400	57157
4 4		Gr#	
		# 100	57157
		# 200	57158
		# 400	57159

3 5		Gr#	
		# 120	57160
		# 200	57161
		# 400	57162
1.7 6		Gr#	
		# 120	57162
		# 200	57163
		# 400	57164

SHANK 3.0
Diamond Files (Sickle Type)
(Flat, Round, Half-Round, Angular, Triangular)

6 1.5		Gr#	
		# 150	57171
		# 200	57172
		# 400	57173
ø3 20		Gr#	
		# 150	57174
		# 200	57175
		# 400	57176

1.5 27.5		Gr#	
		# 150	57175
		# 200	57176
		# 400	57177
2.5 27.5		Gr#	
		# 150	57177
		# 200	57178
		# 400	57179
3.5 27		Gr#	
		# 150	57179
		# 200	57180
		# 400	57181

SHANK 3.0, 3.5
Precision Finishing Files (Flat, Round, Angular, Triangular, Half-Round)

Total length The length of file	140mm 70mm			180mm 90mm		
	Standard	Fine	Standard	Standard	Fine	Standard
1.3(1.5) 5.7(6)	57301	57311	57321	57304	57314	57324
3(3.5) 30.5	57302	57312	57322	57305	57315	57325
2.5(2.7) 10.5	57303	57313	57323	57306	57316	57326

3.3(4.1) 5.7		Gr#	
		# 150	57301
		# 200	57302
		# 400	57303
2 5.6		Gr#	
		# 150	57304
		# 200	57305
		# 400	57306

5 files-pack set
 • Standard (total length 140mm) set (No.57301-No.57303 : 1pc. each) 57309
 • Fine (total length 140mm) set (No.57311-No.57313 : 1pc. each) 57319
 • Standard (total length 180mm) set (No.57321-No.57323 : 1pc. each) 57329

SHANK 3.0
Rasps for plastics and wood working (Flat, Round, Angular, Triangular, Half-Round)

2.2 5.7		Gr#	
		# 150	57401
		# 200	57402
		# 400	57403
3.8 5.7		Gr#	
		# 150	57404
		# 200	57405
		# 400	57406

3.8 5.7		Gr#	
		# 150	57404
		# 200	57405
		# 400	57406

5 files-pack set
 • Rasps set for plastics and wood working (No.57401-No.57403 : 1pc. each) 57410

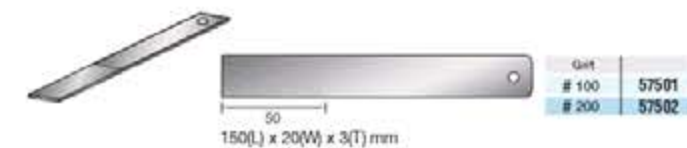
SHANK 3.0
Special Grip Handle

• Attachable shank diameter is ø2-4 mm



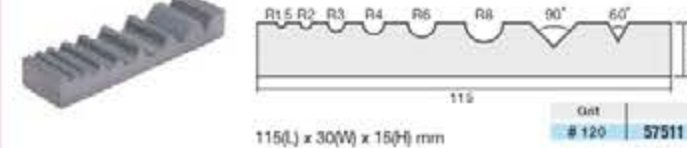
SHANK 3.0
Diamond Hand Dresser

• Light weight, electroplated diamond dresser. Ideally suited to a wide variety of applications.



SHANK 3.0
Diamond Block Dresser

• Can be molded for purpose use, by turning a work with axis, or by vibrating and pushing a stick abrasive material.



ABRASIVE COMPOUNDS & POLISHING TOOLS

1 pc./pack Grindstone Dresser

• Used for dressing diamond / CBN wheels, metal or resin bond.



Handy Type	Size	WA	GC
		Flat Plate Type 75(W) x 25(D) x 8(H) mm	57521 C80
Stick Type	Mini Type 50(W) x 7(D) x 7(H) mm	57531 K200	57536 K200
		100(W) x 20(D) x 15(H) mm	57541 K200

1 pc./pack Natural Diamond Single Stone Dresser

• Used for dressing or shaping standard grindstones.

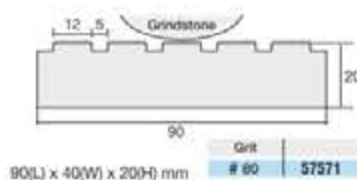


* Shank diameter : ϕ 11mm
Length : 100mm

No. of Carats	Recommended Grindstone Outer Diameter	
1/2 (0.5ct)	ϕ 150-200mm	57552
3/4 (0.75ct)	ϕ 255-300mm	57553
1ct	ϕ 300-355mm	57554

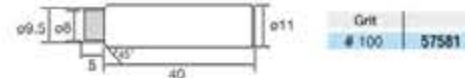
1 pc./pack Tooling Block Dresser

• Dresser with electroplated diamonds on a block metal surface.



1 pc./pack Imprint Dresser For Truing

• Used to adjust the grinding surface of diamond, CBN foil and standard grindstones.



NAKANISHI's EXCLUSIVE TOOLS

Exclusive Tools of Ultrasonic Polisher "SHEENUS ZERO"



Special electroplated diamond files of Nakanishi's ultrasonic polisher "SHEENUS ZERO". Ideal for fine burr removal and rough finishing.

1 pc./pack Electroplated Diamond File

Shape	Thickness	Grit	Part No.
Flat taper	0.4	# 200	60101
		# 320	60102
		# 600	60103
Flat	1*	# 200	60105
		# 320	60106
		# 600	60107
Flat bent	1/4	# 200	60111
		# 320	60112
		# 600	60113
Column with the rounded edge	ϕ 1	# 200	60151
		# 320	60152
		# 600	60153
Column with the rounded edge	ϕ 2	# 200	60155
		# 320	60156
		# 600	60157
Round taper (cone-shaped)	ϕ 3	# 200	60181
		# 320	60182
		# 600	60183
Triangular taper (Triangular pyramid)	3	# 200	60185
		# 320	60186
		# 600	60187
Oval taper	2	# 200	60191
		# 320	60192
		# 600	60193
Flat long	1	# 200	60115
		# 320	60116
		# 600	60117
Flat long taper	1	# 200	60231
		# 320	60232
		# 600	60233
Flat long taper	1	# 200	60235
		# 320	60236
		# 600	60237

2 pcs./pack Ceramic Fiber Grindstone (Total Length 50 mm)

• Alumina fiber abrasive with the strength and the flexibility for rough or fine finishing.



Shape	Grit	Color	W = 4 mm	W = 6 mm	Part No.
Flat	# 120	Violet	60511	60516	
	# 220	Brown	60512	60517	
	# 400	Orange	60513	60518	
	# 600	Blue	60514	60519	
	# 1,200	Red	60515	60520	
Round	# 220	Gray		60551	
	# 300	Magenta		60552	
	# 400	Orange		60553	
	# 600	Black		60554	
	# 800	Blue		60555	
	# 1,000	White		60556	
	# 1,200	Red		60557	

5 pcs./pack Brass Lapping Tip (Total Length 40 mm)

• Lapping tools for finishing using diamond or abrasive compounds.

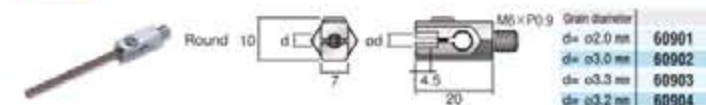


Grain diameter	Part No.
d= ϕ 2 mm	60801
d= ϕ 3 mm	60802

60805

* Use after clamping in Special Tip Holder

2 pcs./pack Special Tip Holder • Choose by tip size and shape.



• Used for Round Ceramic Fiber Grindstone. Best for soft materials.



• Used for round tip (Brass Lapping Tip, Electroplated Diamond File: \bullet marked products on P.59) Best for hard materials.



• Used for Flat Ceramic Fiber Grindstone. Best for both hard and soft materials.

60921

60922

60923

60924

60925