

**RUBBERIZED ABRASIVES**

**SHANK  $\phi$ 6.0**

**10 pcs./pack WA Green Polisher**

Abrasive Power ★★★★★  
Grinding Power ★★★★★  
Rubber Hardness Medium

Grit	Color	47551	47561	47571	47581
#120	Green	47551	47561	47571	47581
#220	Green	47552	47562	*47572	47582
#320	Green	47553	47563	47573	47583
#400	Green	47554	47564	*47574	47584

\*47572,47574 is Total Length 60mm.

**10 pcs./pack WA High Shine Polisher**

Abrasive Power ★★★★★  
Grinding Power ★★★★★  
Rubber Hardness Hard

Grit	Color	47601	47611	47621	47631
#80	Red	47601	47611	47621	47631
#120	Blue	47602	47612	47622	47632
#220	Green	47603	47613	47623	47633
#320	Violet	47604	47614	47624	47634
#500	Brown	47605	47615	47625	47635

**SHANK  $\phi$ 2.34**

**3 pcs./pack**

Abrasive Power ★★★★★  
Grinding Power ★★★★★  
Rubber Hardness Soft

Grit	Color	47751	47752	47753	47754
#120	Black	47751	47752	47753	47754

**10 pcs./pack WA Silicon Wheel Rubber Grindstone**

Abrasive Power ★★★★★  
Grinding Power ★★★★★  
Rubber Hardness Soft

Grit	Color	47804	47805	47806	47807
#120	Black	47804	47805	47806	47807
#180	Gray	47805	47806	47807	
#240	Brown	47806	47807		
#300	Dark Brown	47807			
#400	Green	47807			

**10 pcs./pack WA Green Wheel Rubber Grindstone**

Abrasive Power ★★★★★  
Grinding Power ★★★★★  
Rubber Hardness Medium

Grit	Color	47841	47851	47861	47871
#120	Green	47841	47851	47861	47871
#220	Green	47842	47852	47862	47872
#320	Green	47843	47853	47863	47873

\*Use after attaching to mandrel P.36 (No. 37011~37051).  
\*Mandrel needs to be purchased separately.

**SHANK  $\phi$ 2.34**  
**12 pcs./pack Abrasive Rubber Point Assortment Set**



**47901**

Set (12 pieces) (Each code No. one piece-pack)

Green Polisher (#220)	High Shine Polisher (#320)	Silicon Polisher (#500)
46112	46212	46312
46122	46216	46316
46152	46232	46342
46156	46236	46346

**SHANK  $\phi$ 3.0**  
**12 pcs./pack Abrasive Rubber Point Assortment Set**



**47905**

Set (12 pieces) (Each code No. one piece-pack)

Power Polisher (#180)	Green Polisher (#150)	High Shine Polisher (#320)
46623	46741	46803
46633	46751	46813
46643	46761	46823
46653	46771	46833

**FLAP WHEELS**



**SHANK  $\phi$ 2.34**

**10 pcs./pack**

Grit	Color	48701	48711
#180	Brown	48701	48711

**SHANK  $\phi$ 3.0**

**5 pcs./pack** **5 pcs./pack** **10 pcs./pack** **10 pcs./pack**

Grit	Color	48681	48691	48704	48714
#120	Red Brown	48681	48691	48704	48714
#180	Brown	48682	48692	48705	48715
#320	Red Brown	48683	48693	48706	48716
#400	Green	48684	48694	48708	48718
#500	Gray	48685	48695	48707	48717

**3 pcs./pack**

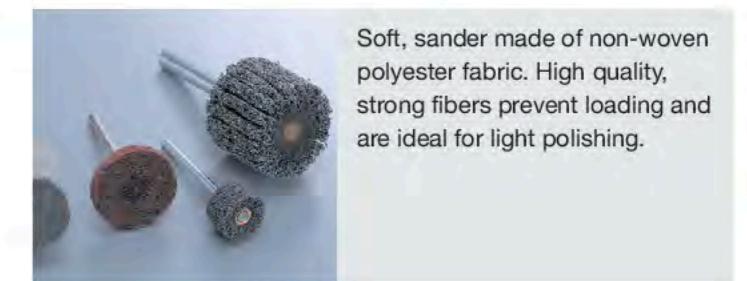
Grit	Color	48724	48731	48725	48732	48726	48733	48728	48734	48727	48735
#120	Red Brown	48724	48731	48725	48732	48726	48733	48728	48734	48727	48735
#180	Brown										
#320	Red Brown										
#400	Green										
#500	Gray										

\*Use after attaching to mandrel P.29.  
\*Mandrel needs to be purchased separately.

**SHANK  $\phi$ 6.0**

**3 pcs./pack**

Grit	Color	48744	48754	48745	48755	48747	48757
#120	Red Brown	48744	48754	48745	48755	48747	48757
#180	Brown						
#320	Red Brown						



**SHANK  $\phi$ 3.0**

**3 pcs./pack** ⚠️ Need to be used dry. (Do not use water or grinding solution)

Grit	48783	48793	48803	48813
#120	48783	48793	48803	48813
#240	48785	48795	48805	48815
#400	48786	48796	48806	48816
#600	48787	48797	48807	48817

**SHANK  $\phi$ 6.0**

**3 pcs./pack** ⚠️ Need to be used dry. (Do not use water or grinding solution)

Grit	48823	48833	48843
#120	48823	48833	48843
#240	48825	48835	48845
#400	48826	48836	48846
#600	48827	48837	48847

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

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

### FLAP WHEELS



Nylon fabric polishing tools. High quality fibers are highly resistant to loading and very flexible for polishing irregular shapes.

Assorted Set

48889  
Set (7 pieces)  
(48881-48887)

48899  
Set (7 pieces)  
(48891-48897)

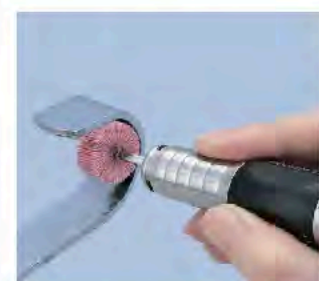


Flap wheels are made from many tightly, evenly packed abrasive cloth affixed to steel mandrels. They are highly effective for finishing of irregular shapes and flat surfaces.

### SHANK Ø3.0

5 pcs./pack

Grit	Color	48871	48881	48891	48882	48892	48883	48893	48884	48894	48885	48895	48886	48896	48887	48897
120	Gray	48871	48881	48891	48882	48892	48883	48893	48884	48894	48885	48895	48886	48896	48887	48897
150	Purple	48872	48882	48892	48883	48893	48884	48894	48885	48895	48886	48896	48887	48897		
180	Red	48873	48883	48893	48884	48894	48885	48895	48886	48896	48887	48897				
240	Blue	48874	48884	48894	48885	48895	48886	48896	48887	48897						
320	Violet	48875	48885	48895	48886	48896	48887	48897								
400	Orange	48876	48886	48896												
500	Yellow	48877	48887	48897												



Fine flap wheel is for final polishing. Perfect for polishing, metal, non-ferrous alloy, light metal, wood, resin, etc.

Grit	Color	49251	49261	49271	49252	49262	49272	49253	49263	49273	49254	49264	49274	49255	49265	49275
1800	Brown/Yellow	49251	49261	49271	49252	49262	49272	49253	49263	49273	49254	49264	49274	49255	49265	49275
2000	Pink	49252	49262	49272	49253	49263	49273	49254	49264	49274	49255	49265	49275			
2500	Green	49253	49263	49273												
3000	Blue	49254	49264	49274												
4000	Orange	49255	49265	49275												

### SHANK Ø3.0

1 pc./pack

Grit	Color	49251	49261	49271	49252	49262	49272	49253	49263	49273	49254	49264	49274	49255	49265	49275
1800	Brown/Yellow	49251	49261	49271	49252	49262	49272	49253	49263	49273	49254	49264	49274	49255	49265	49275
2000	Pink	49252	49262	49272	49253	49263	49273	49254	49264	49274	49255	49265	49275			
2500	Green	49253	49263	49273												
3000	Blue	49254	49264	49274												
4000	Orange	49255	49265	49275												

Assorted Set

49259  
Set (5 pieces)  
(49251-49255)

49269  
Set (5 pieces)  
(49261-49265)

49279  
Set (5 pieces)  
(49271-49275)

\*There is not the difference in quality by the difference in color.

### FLAP WHEELS



Diamond flap wheel made of electroplate diamond abrasive cloths. Perfect for polishing ceramics, glass, FRP, super hard alloys, etc.

### SHANK Ø3.0



Seamless abrasive cartridges are easily pushed onto a rubber holder and can be quickly changed. They are ideal for finishing wide open areas.

### 20 pcs./pack Cartridge (Seamless Abrasives)

Grit	49401	49411	49421	49431	49441	49402	49412	49422	49432	49442	49403	49413	49423	49433	49443	49404	49414	49424	49434	49444	49405	49415	49425	49435	49445	49406	49416	49426	49436	49446	49407	49417	49427	49437	49447
180	49401	49411	49421	49431	49441	49402	49412	49422	49432	49442	49403	49413	49423	49433	49443	49404	49414	49424	49434	49444	49405	49415	49425	49435	49445	49406	49416	49426	49436	49446	49407	49417	49427	49437	49447

### 3 pcs./pack Cartridge Seamless Abrasives (Special Rubber Holder)

Grit	49409	49419	49429	49439	49449
180	49409	49419	49429	49439	49449

(49409 is made from metal)

### SHANK Ø3.0

1 pc./pack

Grit	49303	49313	49323	49304	49314	49324	49305	49315	49325	49306	49316	49326	49307	49317	49327
120	49303	49313	49323	49304	49314	49324	49305	49315	49325	49306	49316	49326	49307	49317	49327
180	49304	49314	49324	49305	49315	49325	49306	49316	49326	49307	49317	49327			
240	49305	49315	49325												
320	49306	49316	49326												
400	49307	49317	49327												

### 200 pcs./pack Cartridge (Seamless Abrasives)

Grit	49461	49471	49481	49462	49472	49482	49463	49473	49483
180	49461	49471	49481	49462	49472	49482	49463	49473	49483

### 3 pcs./pack Cartridge Seamless Abrasives (Screw Type Special Rubber Holder)

Grit	49469	49479	49489
180	49469	49479	49489

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

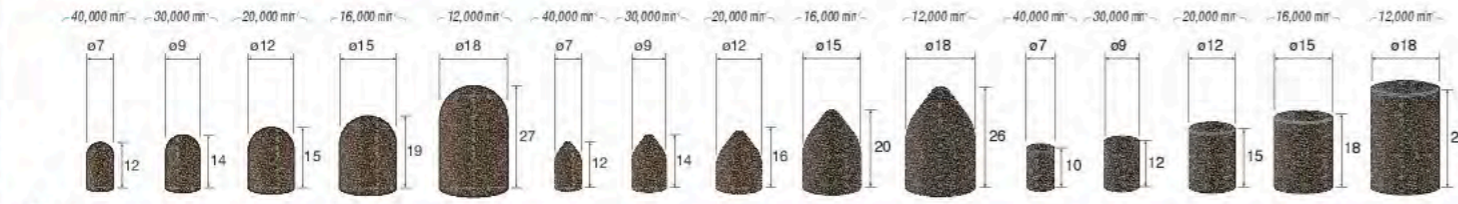
## FLAP WHEELS

SHANK  $\phi 3.0$



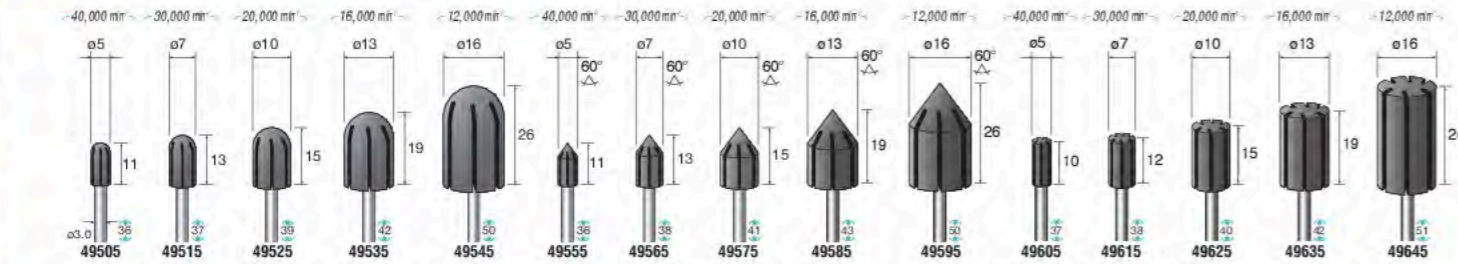
Seamless cap abrasives are easily pushed onto a rubber holder and can be quickly changed. Both the sides and ends can be used for polishing and finishing.

### 20 pcs./pack Cap (Seamless Abrasives)



Grit	49501	49511	49521	49531	49541	49551	49561	49571	49581	49591	49601	49611	49621	49631	49641
180	49502	49512	49522	49532	49542	49552	49562	49572	49582	49592	49602	49612	49622	49632	49642
120	49503	49513	49523	49533	49543	49553	49563	49573	49583	49593	49603	49613	49623	49633	49643

### 3 pcs./pack Cap Seamless Abrasives (Special Rubber Holder)



49505	49515	49525	49535	49545	49555	49565	49575	49585	49595	49605	49615	49625	49635	49645
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## POLISHING BRUSHES

### Selection and Use of Polishing Brushes

- ◆ **Selection of Brush Materials :**  
Brushes should be selected according to the desired finish.
- ◆ **Length and Diameter of Wire :**  
Longer brush wires are very flexible and best suited to polishing. Shorter brush wires are suited to heavier cutting. Before using, cut the brush wires to the required length.
- ◆ **Density of Wire Material :**  
Higher density wires cut quicker due to their greater rigidity.
- ◆ **Brushing Pressure :**  
Using the edge of the applied perpendicular brush to the polishing surface is the most effective method. Use pressure sufficient to deflect the brush tips 1 to 2 mm.
- ◆ **Rotation Direction of Brush :**  
Set rotation direction of the micro-grinder considering the lay of the bristles. (Nakanishi micro-grinders can rotate in either direction)
- ◆ **Suitable Brush Rotation Speed :**  
Using brushes at less than the maximum allowable speed makes the brush last longer. Confirm suitable rotation speed by test brushing a small area at first.
- ◆ **Features of Polishing Brushes :**  
The brushes conform to the polishing surface and result in uniform surface finishes. Brushes are superior tools for finishing compared to other tools.

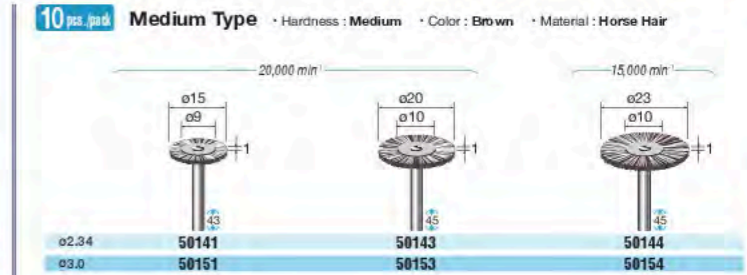


Polishing brushes with  $\phi 2.34$  mm and  $\phi 3.0$  mm shanks. They are made from bristle, goat and horse hair.

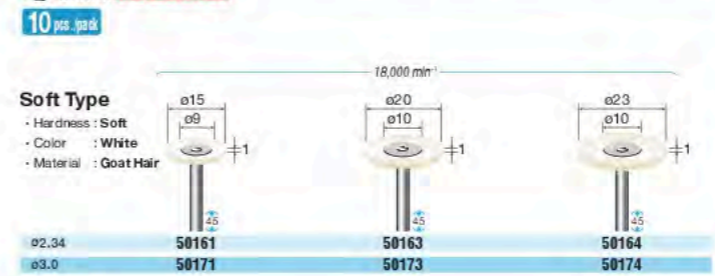
SHANK  $\phi 2.34, \phi 3.0$



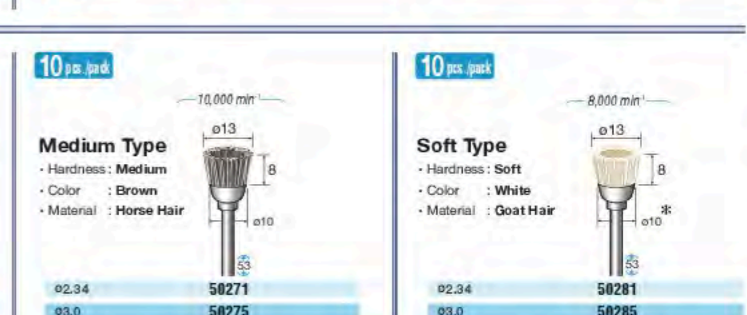
SHANK  $\phi 2.34, \phi 3.0$



SHANK  $\phi 2.34, \phi 3.0$



SHANK  $\phi 2.34, \phi 3.0$



\* 50285 is diameter  $\phi 11$ .

\*Order in standard package quantities.