

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

47751, 47752, 47753, 47754

10 pcs./pack WA Silicon Wheel Rubber Grindstone

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

Grit	Color	47804	47811	47813	47814	47816	47818	47819
#120	Black	47804	47811	47813	47814	47816	47818	47819
#180	Gray	47805	47814	47816	47818	47819		
#240	Brown	47802	47806					
#500	Dark Brown	47808						
#1800	Green	47803	47807					

10 pcs./pack WA Green Wheel Rubber Grindstone

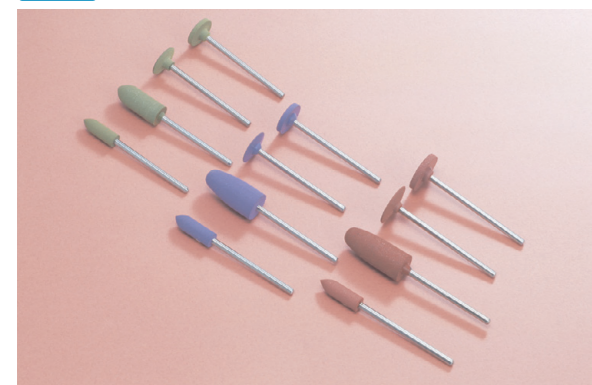
Abrasive Power ★★★★★
Grinding Power ★★★★★
Rubber Hardness Medium

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

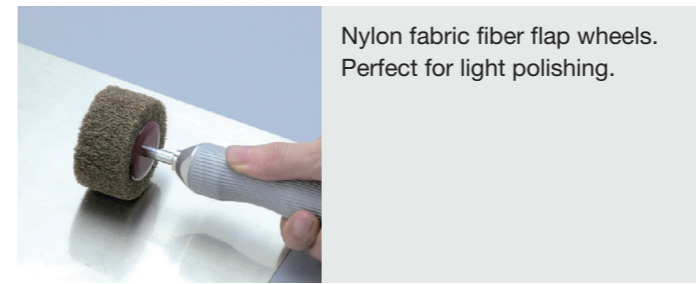


47905

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
#600	Gray	48685	48695	48707	48717

3 pcs./pack

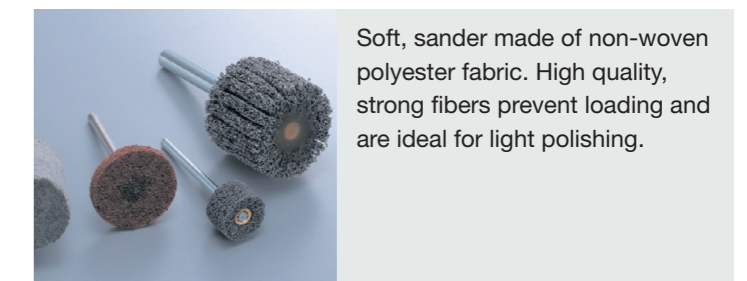
Grit	Color	48724	48731	48725	48732	48726	48733	48728	48734	48727	48735
#120	Red Brown	48724	48731	48725	48732	48726	48733	48728	48734	48727	48735
#180	Brown	48725	48732								
#320	Red Brown	48726	48733								
#400	Green	48728	48734								
#600	Gray	48727	48735								

*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
#120	Red Brown	48744	48754	48745	48755
#180	Brown	48745			
#320	Red Brown	48747			



SHANK $\phi 3.0$

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

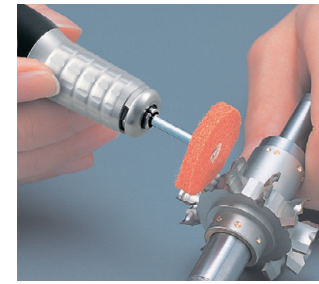
Grit	48783	48793	48803	48813
#120	48783	48793	48803	48813
#240	48785	48795	48805	48815
#400	48786	48796	48806	48816
#600	48787	48797	48807	48817

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

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 $\phi 3.0$

5 pcs./pack

Grit	Color	48871	48881	48891	48931
#120	Gray	48871	48881	48891	48931
#240	Purple	48872	48882	48892	48932
#320	Red	48873	48883	48893	48933
#600	Blue	48874	48884	48894	48934
#800	Violet	48875	48885	48895	48935
#1000	Orange	48876	48886	48896	48936
#1500	Yellow	48877	48887	48897	48937

Grit	Color	48871	48881	48891	48931
#120	Gray	48871	48881	48891	48931
#240	Purple	48872	48882	48892	48932
#320	Red	48873	48883	48893	48933
#600	Blue	48874	48884	48894	48934
#800	Violet	48875	48885	48895	48935
#1000	Orange	48876	48886	48896	48936
#1500	Yellow	48877	48887	48897	48937



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

Grit	Color	49251	49261	49271
#800	Brown/Yellow	49251	49261	49271
#1000	Pink	49252	49262	49272
#1500	Green	49253	49263	49273
#2000	Blue	49254	49264	49274
#3000	Orange	49255	49265	49275

SHANK $\phi 3.0$

1 pc./pack

Grit	Color	49251	49261	49271
#800	Brown/Yellow	49251	49261	49271
#1000	Pink	49252	49262	49272
#1500	Green	49253	49263	49273
#2000	Blue	49254	49264	49274
#3000	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 $\phi 3.0$



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
#80	49401	49411	49421	49431	49441
#120	49402	49412	49422	49432	49442
#180	49403	49413	49423	49433	49443
#240	49404	49414	49424	49434	49444
#320	49405	49415	49425	49435	49445
#400	49406	49416	49426	49436	49446
#600	49407	49417	49427	49437	49447

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

Grit	49409	49419	49429	49439	49449
#80	49409	49419	49429	49439	49449
#120	49410	49420	49430	49440	49450
#180	49411	49421	49431	49441	49451
#240	49412	49422	49432	49442	49452
#320	49413	49423	49433	49443	49453
#400	49414	49424	49434	49444	49454
#600	49415	49425	49435	49445	49455

(49409 is made from metal)

SHANK $\phi 3.0$

1 pc./pack

Grit	49303	49313	49323
#120	49303	49313	49323
#180	49304	49314	49324
#240	49305	49315	49325
#400	49306	49316	49326
#600	49307	49317	49327

200 pcs./pack Cartridge (Seamless Abrasives)

Grit	49461	49471	49481
#80	49461	49471	49481
#120	49462	49472	49482
#180	49463	49473	49483

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

Grit	49469	49489
#80	49469	49489
#120	49470	49490
#180	49471	49491
#240	49472	49492
#320	49473	49493
#400	49474	49494
#600	49475	49495

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)

	40,000 min ⁻¹	30,000 min ⁻¹	20,000 min ⁻¹	16,000 min ⁻¹	12,000 min ⁻¹	40,000 min ⁻¹	30,000 min ⁻¹	20,000 min ⁻¹	16,000 min ⁻¹	12,000 min ⁻¹	40,000 min ⁻¹	30,000 min ⁻¹	20,000 min ⁻¹	16,000 min ⁻¹	12,000 min ⁻¹
	$\phi 7$	$\phi 9$	$\phi 12$	$\phi 15$	$\phi 18$	$\phi 7$	$\phi 9$	$\phi 12$	$\phi 15$	$\phi 18$	$\phi 7$	$\phi 9$	$\phi 12$	$\phi 15$	$\phi 18$
Grit															
#60	49501	49511	49521	49531	49541	49551	49561	49571	49581	49591	49601	49611	49621	49631	49641
#150	49502	49512	49522	49532	49542	49552	49562	49572	49582	49592	49602	49612	49622	49632	49642
#320	49503	49513	49523	49533	49543	49553	49563	49573	49583	49593	49603	49613	49623	49633	49643

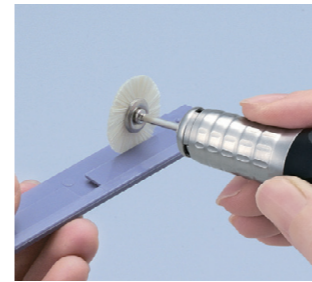
3 pcs./pack Cap Seamless Abrasives (Special Rubber Holder)

	40,000 min ⁻¹	30,000 min ⁻¹	20,000 min ⁻¹	16,000 min ⁻¹	12,000 min ⁻¹	40,000 min ⁻¹	30,000 min ⁻¹	20,000 min ⁻¹	16,000 min ⁻¹	12,000 min ⁻¹	40,000 min ⁻¹	30,000 min ⁻¹	20,000 min ⁻¹	16,000 min ⁻¹	12,000 min ⁻¹
	$\phi 5$	$\phi 7$	$\phi 10$	$\phi 13$	$\phi 16$	$\phi 5$	$\phi 7$	$\phi 10$	$\phi 13$	$\phi 16$	$\phi 5$	$\phi 7$	$\phi 10$	$\phi 13$	$\phi 16$
	49505	49515	49525	49535	49545	49555	49565	49575	49585	49595	49605	49615	49625	49635	49645

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 $\phi 2.34, \phi 3.0$

10 pcs./pack Hard Type • Hardness : Hard • Color : White • Material : Bristle

	20,000 min ⁻¹	15,000 min ⁻¹
	$\phi 17$	$\phi 25$
	$\phi 9$	$\phi 10$
	$\phi 20$	$\phi 23$
	$\phi 10$	$\phi 10$
	$\phi 23$	$\phi 25$
	$\phi 10$	$\phi 10$
$\phi 2.34$	50102	50103
$\phi 3.0$	50112	50113
	50104	50105
	50114	50115
	50116	

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack Hard Type • Hardness : Hard • Color : Black • Material : Bristle

	20,000 min ⁻¹	15,000 min ⁻¹
	$\phi 17$	$\phi 25$
	$\phi 9$	$\phi 10$
	$\phi 20$	$\phi 23$
	$\phi 10$	$\phi 10$
	$\phi 23$	$\phi 25$
	$\phi 10$	$\phi 10$
$\phi 2.34$	50122	50123
$\phi 3.0$	50132	50133
	50124	50125
	50134	50135
	50136	

10 pcs./pack Medium Type • Hardness : Medium • Color : Brown • Material : Horse Hair

	20,000 min ⁻¹	15,000 min ⁻¹
	$\phi 15$	$\phi 23$
	$\phi 9$	$\phi 10$
	$\phi 20$	$\phi 23$
	$\phi 10$	$\phi 10$
$\phi 2.34$	50141	50143
$\phi 3.0$	50151	50153
	50144	50154

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack

Soft Type

- Hardness : Soft
- Color : White
- Material : Goat Hair

	18,000 min ⁻¹
	$\phi 15$
	$\phi 9$
	$\phi 20$
	$\phi 10$
	$\phi 23$
	$\phi 10$
$\phi 2.34$	50161
$\phi 3.0$	50171
	50163
	50173
	50164
	50174

10 pcs./pack

Hard Type

- Hardness : Hard
- Color : White
- Material : Bristle

	15,000 min ⁻¹	10,000 min ⁻¹	7,000 min ⁻¹
	$\phi 13$	$\phi 20$	$\phi 25$
	$\phi 8$	$\phi 10$	$\phi 15$
	$\phi 10$	$\phi 16$	$\phi 21$
$\phi 2.34$	50251	50256	50257
$\phi 3.0$	50255		

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack

Hard Type

- Hardness : Hard
- Color : Black
- Material : Bristle

	15,000 min ⁻¹	10,000 min ⁻¹	7,000 min ⁻¹
	$\phi 13$	$\phi 20$	$\phi 25$
	$\phi 8$	$\phi 10$	$\phi 15$
	$\phi 10$	$\phi 16$	$\phi 21$
$\phi 2.34$	50261	50266	50267
$\phi 3.0$	50265		

10 pcs./pack

Medium Type

- Hardness : Medium
- Color : Brown
- Material : Horse Hair

	10,000 min ⁻¹	8,000 min ⁻¹
	$\phi 13$	$\phi 13$
	$\phi 8$	$\phi 8$
	$\phi 10$	$\phi 10$
$\phi 2.34$	50271	50281
$\phi 3.0$	50275	50285

* 50285 is diameter $\phi 11$.