

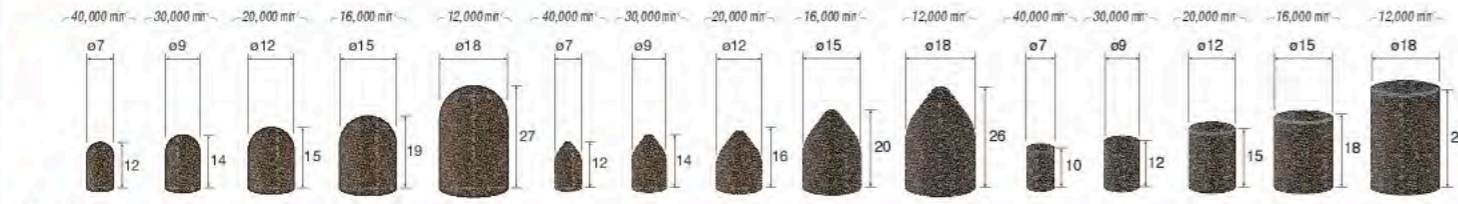
FLAP WHEELS

SHANK $\phi 3.0$



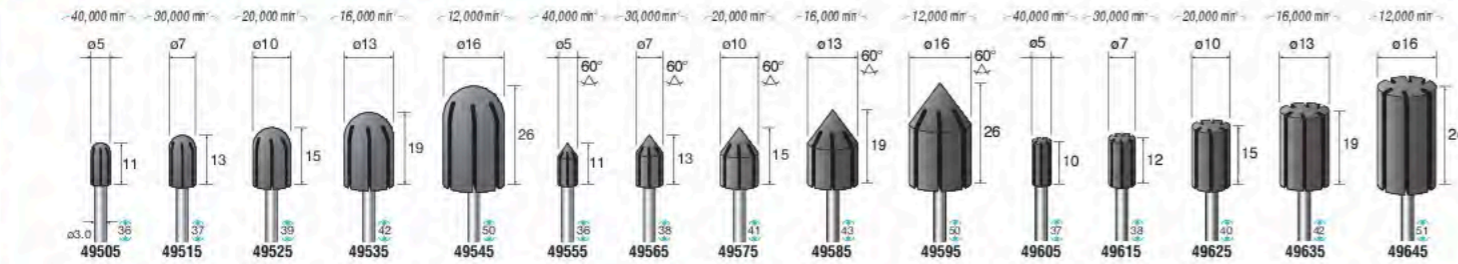
Seamless cap abrasives are easily pushed onto a rubber holder and can be quickly changed. Both the sides and ends can be used for polishing and finishing.

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

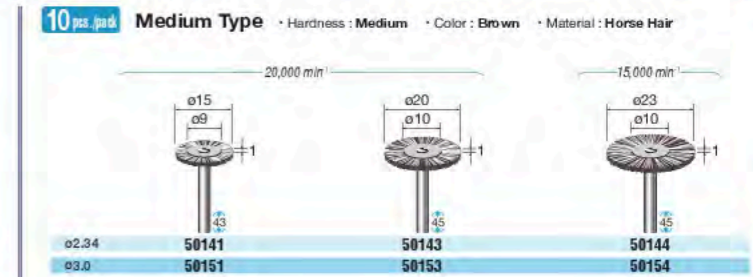
Selection and Use of Polishing Brushes

- ◆ **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.

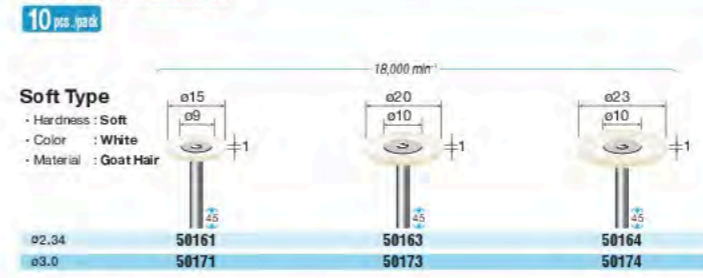
SHANK $\phi 2.34, \phi 3.0$



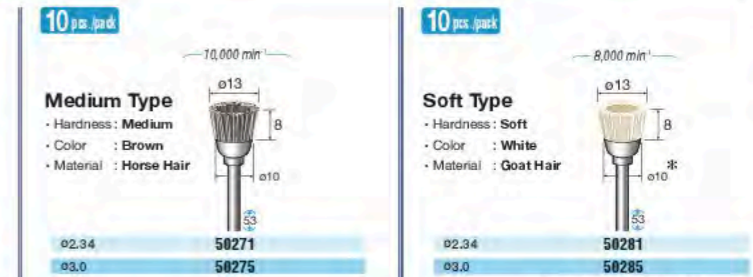
SHANK $\phi 2.34, \phi 3.0$



SHANK $\phi 2.34, \phi 3.0$



SHANK $\phi 2.34, \phi 3.0$



* 50285 is diameter $\phi 11$.

POLISHING BRUSHES

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack

Hard Type
 • Hardness : Hard
 • Color : White
 • Material : Bristle

25,000 min⁻¹ 16,000 min⁻¹ 15,000 min⁻¹

50311 50312 50317

50315 50316 50317

10 pcs./pack

Hard Type
 • Hardness : Hard
 • Color : Black
 • Material : Bristle

25,000 min⁻¹ 16,000 min⁻¹ 15,000 min⁻¹

50321 50322 50327

50325 50326 50327

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack

Medium Type
 • Hardness : Medium
 • Color : Brown
 • Material : Horse Hair

16,000 min⁻¹

50331 50335

10 pcs./pack

Soft Type
 • Hardness : Soft
 • Color : White
 • Material : Goat Hair

8,000 min⁻¹

50341 50345

Wire Brushes are made from stainless, steel and brass wires. Ideal for light burr and rust removal, and fine finishing.

SHANK $\phi 2.34, \phi 3.0$ **Stainless**

10 pcs./pack

20,000 min⁻¹ 15,000 min⁻¹

Wire Diameter 0.1 mm

50412 50413 50414 50415

50422 50423 50424 50425

SHANK $\phi 3.0$ **Stainless**

5 pcs./pack

10,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹

0.15 mm 0.1 mm 0.15 mm

50426 50511 50516

50427 50515 50516

SHANK $\phi 2.34, \phi 3.0$ **Stainless**

10 pcs./pack

15,000 min⁻¹ 10,000 min⁻¹

0.1 mm 0.1 mm

50521 50526

50525 50526

SHANK $\phi 2.34, \phi 3.0$ **Steel**

10 pcs./pack

20,000 min⁻¹ 15,000 min⁻¹

Wire diameter 0.1 mm

50432 50433 50434 50435

50442 50443 50444 50445

SHANK $\phi 3.0$ **Steel**

5 pcs./pack

10,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹

0.15 mm 0.1 mm 0.15 mm

50446 50531 50536

50447 50535 50536

SHANK $\phi 2.34, \phi 3.0$ **Steel**

10 pcs./pack

15,000 min⁻¹ 10,000 min⁻¹

0.1 mm 0.1 mm

50541 50546

50545 50546

SHANK $\phi 2.34, \phi 3.0$ **Brass**

10 pcs./pack

20,000 min⁻¹ 15,000 min⁻¹

Wire diameter 0.1 mm

50452 50453 50454 50455

50462 50463 50464 50465

SHANK $\phi 3.0$ **Brass**

5 pcs./pack

10,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹

0.15 mm 0.1 mm 0.15 mm

50466 50551 50556

50467 50555 50556

SHANK $\phi 2.34, \phi 3.0$ **Brass**

10 pcs./pack

15,000 min⁻¹ 10,000 min⁻¹

0.1 mm 0.1 mm

50561 50566

50565 50566

POLISHING BRUSHES

Nylon brushes are ideal for polishing medical, scientific, chemical and electronic components and devices. They are highly flexible and have superior wear resistance.

Nylon Brush
Wire diameter [0.2 mm]

Heatproof Nylon Brush
Wire diameter [0.2 mm]

Nylon Brush
contained proof of material against static electricity
Wire diameter ϕ .15 mm

SHANK $\phi 2.34, \phi 3.0$

Nylon Brush Wire diameter [0.2 mm]

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

20,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹ 10,000 min⁻¹

50711 50712 50713 50724 50725 50726

50721 50722 50723 50724 50725 50726

Heatproof Nylon Brush Wire diameter [0.2 mm]

5 pcs./pack

Armid Fiber
 • Melted Temperature : 420°C
 • Continuous Use Limit Temperature : 210°C

20,000 min⁻¹ 15,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹ 10,000 min⁻¹

50731 50732 50733 50735 50736

SHANK $\phi 3.0$

5 pcs./pack **Nylon Brush** contained proof of material against static electricity Wire diameter [0.15 mm]

20,000 min⁻¹ 15,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹ 10,000 min⁻¹

50741 50742 50743 50745 50746

Abrasive and diamond impregnated nylon brushes. Ideal for fine burr removal and polishing of very small areas.

Abrasive Impregnated (GC) Nylon Brush
Wire diameter [0.2-0.5 mm]

Diamond Impregnated Nylon Brush
Wire diameter ϕ .2-0.5 mm

SHANK $\phi 2.34, \phi 3.0$

5 pcs./pack **Abrasive Impregnated (GC) Nylon Brush** Wire diameter [0.2-0.5 mm]

15,000 min⁻¹ 10,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹ 10,000 min⁻¹

50751 50771 50791

50752 50772 50792

50753 50773 50793

50755 * 50765 50775 50785 50795 50805

50756 * 50766 50776 50786 50796 50806

50757 * 50767 50777 50787 50797 50807

* 50755, 50756, 50757 is Total Length 44mm.

1 pc./pack **Diamond Impregnated Nylon Brush** Wire diameter [0.2-0.5 mm]

15,000 min⁻¹ 10,000 min⁻¹ 15,000 min⁻¹ 10,000 min⁻¹ 10,000 min⁻¹

51011 51031 51041

51012 51032 51042

51013 51033 51043

51014 51034 51044

51015 51035 51045

51016 51036 51046

51017 51037 51047

51018 51038 51048

INSIDE POLISHING BRUSHES



Inside diameter brushes are made from wire fixed to a straight shank. Ideal for polishing internal surfaces, ID threads and curved surfaces.

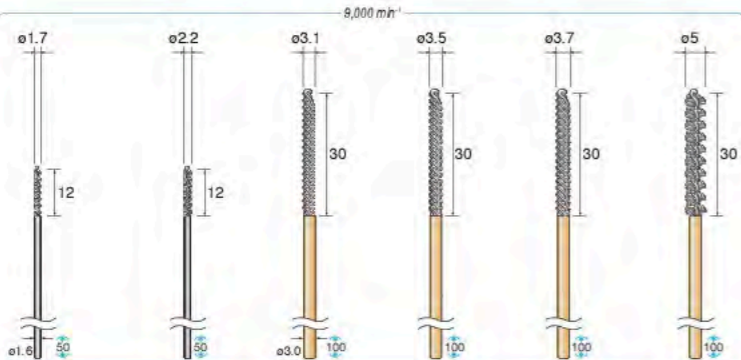


- Abrasive Impregnated Nylon Brush
- Bristle Brush
- Wire Brush

⚠ Do not exceed the maximum rotating speed. Long length brushes are highly susceptible to shank and brush deflection.

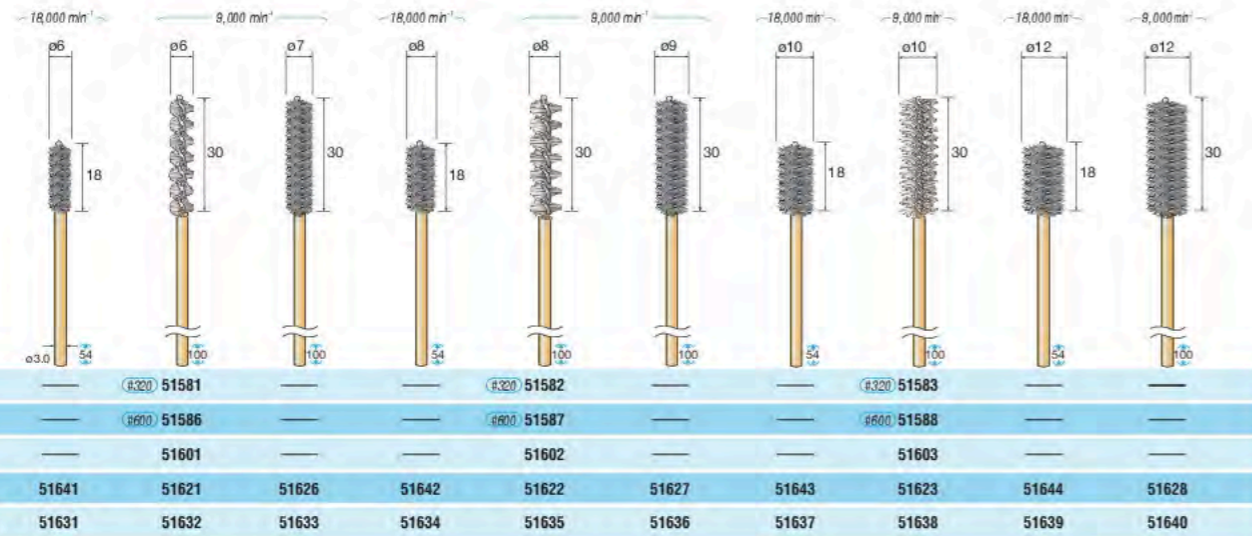
SHANK $\phi 1.6, \phi 3.0$

2 pc./pack



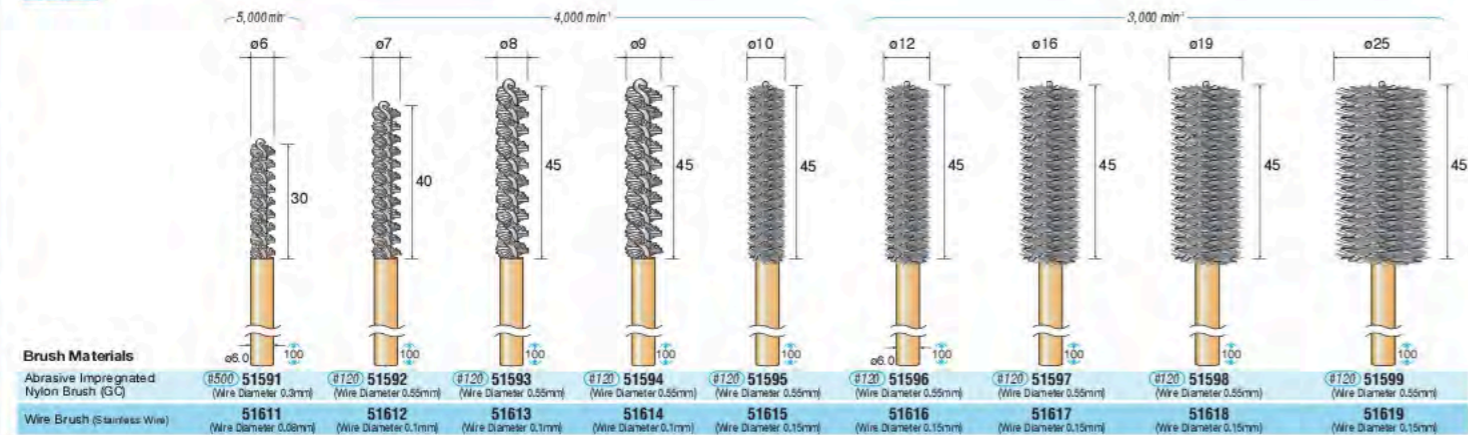
SHANK $\phi 3.0$

1 pc./pack



SHANK $\phi 6.0$

1 pc./pack



WIRE LAPPING TOOLS

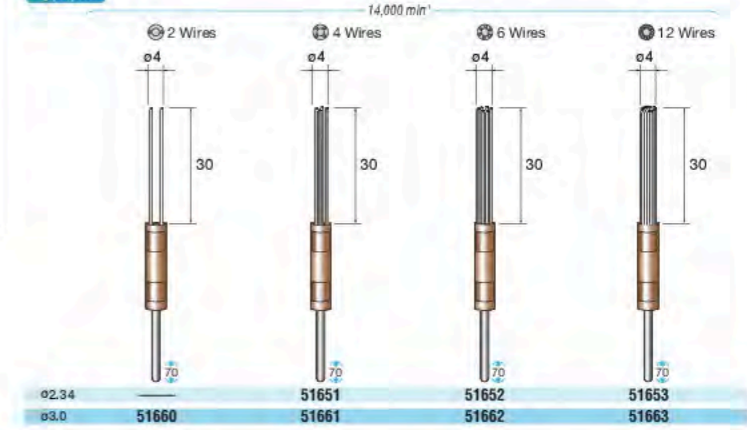


Wire lapping tools are made from banded piano wire. Ideal for burr removal and finishing of metals and plastics. They are also suited to polishing with abrasive compounds.

⚠ Do not exceed the maximum rotating speed. Long length brushes are highly susceptible to shank and brush deflection.

SHANK $\phi 2.34, \phi 3.0$

1 pc./pack



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