

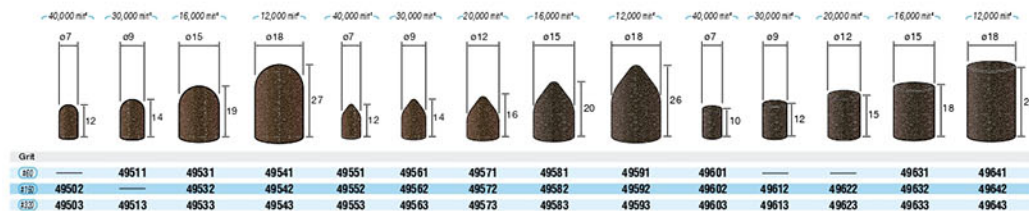
FLAP WHEELS

SHANK $\phi 3.0$

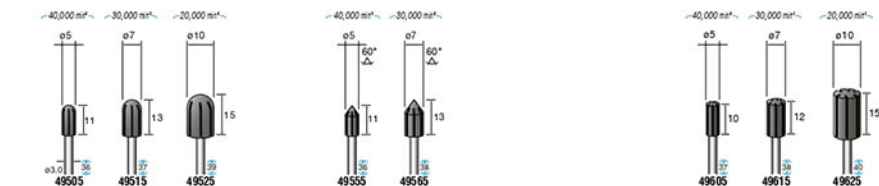


Seamless cap abrasives are easily pushed onto a rubber holder and can be quickly changed. Both the sides and ends can be used for polishing and finishing.

20 pcs./pack Cap (Seamless Abrasives)



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



POLISHING BRUSHES

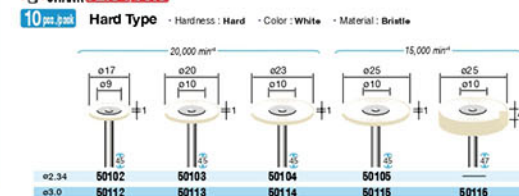
Selection and Use of Polishing Brushes

- 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.

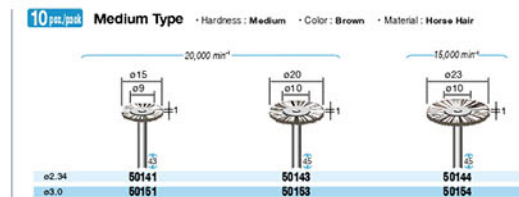
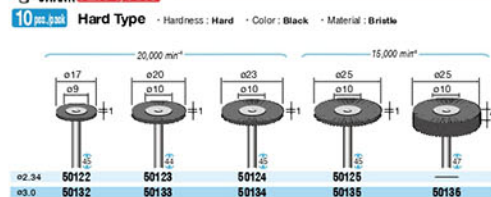


Polishing brushes with $\phi 2.34$ mm and $\phi 3.0$ mm shanks. They are made from bristle, goat and horse hair.

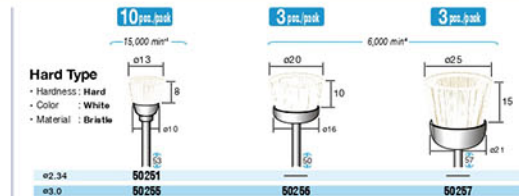
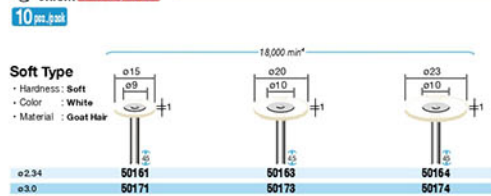
SHANK $\phi 2.34, \phi 3.0$



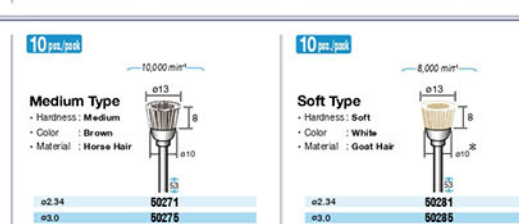
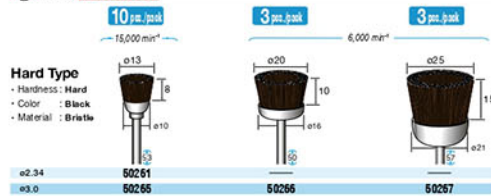
SHANK $\phi 2.34, \phi 3.0$



SHANK $\phi 2.34, \phi 3.0$



SHANK $\phi 2.34, \phi 3.0$



* 50285 is diameter of 1.

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

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

POLISHING BRUSHES

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack

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

$\phi 5$ 25,000 min⁻¹
 $\phi 5$ 16,000 min⁻¹
 $\phi 8$ 15,000 min⁻¹

$\phi 2.34$ 50311
 $\phi 3.0$ 50315

$\phi 2.34$ 50312
 $\phi 3.0$ 50316

$\phi 2.34$ 50317
 $\phi 3.0$ 50318

10 pcs./pack

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

$\phi 5$ 25,000 min⁻¹
 $\phi 5$ 16,000 min⁻¹
 $\phi 8$ 15,000 min⁻¹

$\phi 2.34$ 50321
 $\phi 3.0$ 50325

$\phi 2.34$ 50322
 $\phi 3.0$ 50326

$\phi 2.34$ 50327
 $\phi 3.0$ 50328

SHANK $\phi 2.34, \phi 3.0$

10 pcs./pack

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

$\phi 5$ 16,000 min⁻¹

$\phi 2.34$ 50331
 $\phi 3.0$ 50335

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

$\phi 5$ 8,000 min⁻¹

$\phi 2.34$ 50341
 $\phi 3.0$ 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

$\phi 15$ $\phi 20$ $\phi 23$ $\phi 25$
 $\phi 9$ $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5 1.5

$\phi 2.34$ 50412 50413 50414 50415
 $\phi 3.0$ 50422 50423 50424 50425

SHANK $\phi 3.0$ Stainless

5 pcs./pack

10,000 min⁻¹ 6,000 min⁻¹
 0.15 mm 0.15 mm

$\phi 5$ $\phi 10$ $\phi 10$
 $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5

$\phi 2.34$ 50426 50427
 $\phi 3.0$ 50428 50429

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

$\phi 5$ $\phi 8$ $\phi 10$
 $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5

$\phi 2.34$ 50521 50522
 $\phi 3.0$ 50523 50524

SHANK $\phi 2.34, \phi 3.0$ Steel

10 pcs./pack

20,000 min⁻¹ 15,000 min⁻¹
 Wire diameter 0.1 mm

$\phi 15$ $\phi 20$ $\phi 23$ $\phi 25$
 $\phi 9$ $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5 1.5

$\phi 2.34$ 50432 50433 50434 50435
 $\phi 3.0$ 50442 50443 50444 50445

SHANK $\phi 3.0$ Steel

5 pcs./pack

10,000 min⁻¹ 6,000 min⁻¹
 0.15 mm 0.15 mm

$\phi 5$ $\phi 10$ $\phi 10$
 $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5

$\phi 2.34$ 50446 50447
 $\phi 3.0$ 50448 50449

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

$\phi 5$ $\phi 8$ $\phi 10$
 $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5

$\phi 2.34$ 50531 50532
 $\phi 3.0$ 50533 50534

SHANK $\phi 2.34, \phi 3.0$ Brass

10 pcs./pack

20,000 min⁻¹ 15,000 min⁻¹
 Wire diameter 0.1 mm

$\phi 15$ $\phi 20$ $\phi 23$ $\phi 25$
 $\phi 9$ $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5 1.5

$\phi 2.34$ 50452 50453 50454 50455
 $\phi 3.0$ 50462 50463 50464 50465

SHANK $\phi 3.0$ Brass

5 pcs./pack

10,000 min⁻¹ 6,000 min⁻¹
 0.15 mm 0.15 mm

$\phi 5$ $\phi 10$ $\phi 10$
 $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5

$\phi 2.34$ 50466 50467
 $\phi 3.0$ 50468 50469

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

$\phi 5$ $\phi 8$ $\phi 10$
 $\phi 10$ $\phi 10$ $\phi 10$
 1.5 1.5 1.5

$\phi 2.34$ 50551 50552
 $\phi 3.0$ 50553 50554

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 material against static electricity
Wire diameter [0.15 mm]

SHANK $\phi 2.34, \phi 3.0$

Nylon Brush Wire diameter [0.2 mm]

10 pcs./pack

$\phi 9$ 20,000 min⁻¹
 $\phi 10$ 15,000 min⁻¹
 $\phi 13$ 6,000 min⁻¹
 $\phi 20$ 15,000 min⁻¹
 $\phi 5$ 10,000 min⁻¹
 $\phi 8$ 10,000 min⁻¹

$\phi 2.34$ 50711 50712 50713 50714 50715 50716
 $\phi 3.0$ 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

$\phi 10$ 20,000 min⁻¹
 $\phi 23$ 15,000 min⁻¹
 $\phi 13$ 6,000 min⁻¹
 $\phi 5$ 15,000 min⁻¹
 $\phi 8$ 10,000 min⁻¹

$\phi 3.0$ 50731 50732 50733 50735 50736

SHANK $\phi 3.0$

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

$\phi 10$ 20,000 min⁻¹
 $\phi 23$ 15,000 min⁻¹
 $\phi 13$ 6,000 min⁻¹
 $\phi 5$ 15,000 min⁻¹
 $\phi 8$ 10,000 min⁻¹

$\phi 3.0$ 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 [0.2-0.5 mm]

SHANK $\phi 2.34, \phi 3.0$

5 pcs./pack **Abrasive Impregnated (GC) Nylon Brush**
 Wire diameter [0.4 mm] * 50786, 50787 is Wire diameter 0.55 mm

$\phi 23$ 15,000 min⁻¹
 $\phi 25$ 10,000 min⁻¹
 $\phi 20$ 6,000 min⁻¹
 $\phi 5$ 15,000 min⁻¹
 $\phi 8$ 10,000 min⁻¹

$\phi 3.0$ 51755 51765 51766 * 50786 51785 51805
 51756 51767 * 50787 51797 51807

1 pc./pack **Diamond Impregnated Nylon Brush** Wire diameter [180, 240, 0.4 mm #400, #600, 0.25 mm]

$\phi 23$ 15,000 min⁻¹
 $\phi 25$ 10,000 min⁻¹
 $\phi 13$ 15,000 min⁻¹
 $\phi 5$ 15,000 min⁻¹
 $\phi 8$ 10,000 min⁻¹

$\phi 3.0$ 51011 51031 51032 51041 51041
 51012 51032 51042 51042
 51013 51033 51043 51043
 51014 51034 51044 51044
 51015 51025 51035 51045 51055
 51016 51026 51036 51046 51056
 51017 51027 51037 51047 51057
 51018 51028 51038 51048 51058

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.

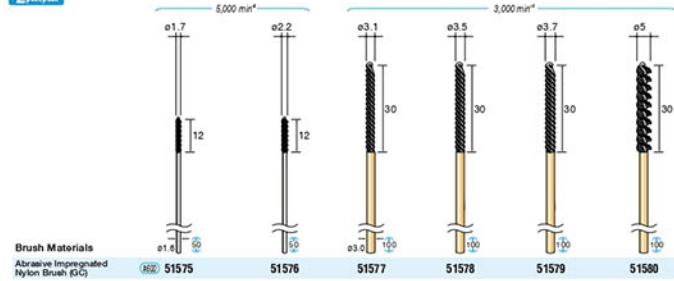


- Abrasive Impregnated Nylon Brush
- Bristle Brush
- Wire Brush

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

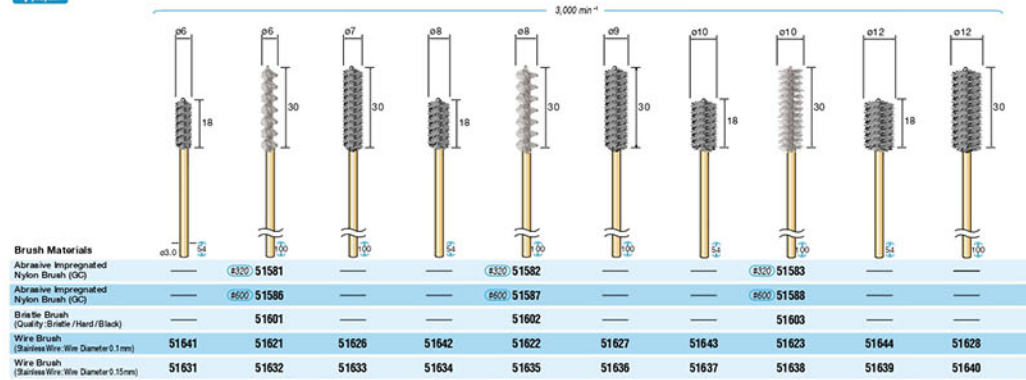
SHANK $\phi 1.6, \phi 3.0$

2 pcs./pack



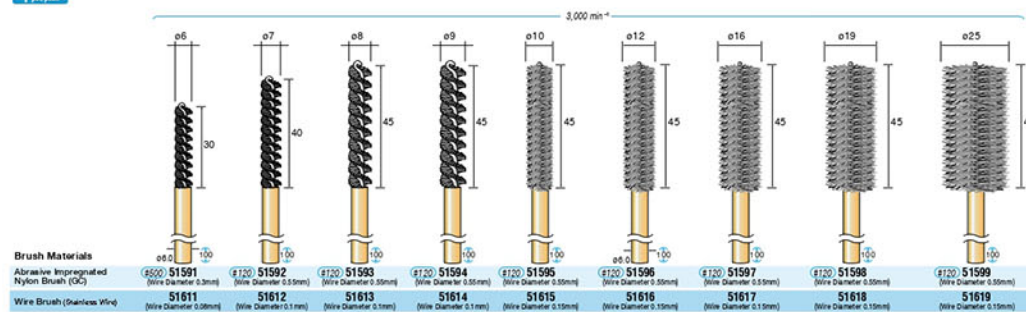
SHANK $\phi 3.0$

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

