MOUNTED POINTS

Types of Abrasive Grain

"Abrasive Grain" is a general term of very hard abrasive particles for polishing and grinding. Abrasive Grain is harder than work materials and functions to grind work materials. Abrasive Grain is classified generally into three types.

Alumina type

Primary ingredient is alumina (aluminium oxide : $A\ell_2O_3$).

- **A** : For rough grinding of iron and steel materials, low carbon steels, forged products, castings and raw steel materials.
- **WA** : For general grinding of alloy steels, tool steels and carbon steels.
- **PA** : For general grinding of heat treated alloy steels, tool steels, and stainless steels.

Silicon Carbide type

Primary ingredient is silicon carbide (SiC).

- **C** : For general grinding of cast iron, chilled cast iron, copper, bronze, brass, aluminum and non ferrous metals.
- **GC** : For general grinding of super hard alloys, ceramics, stone, jewelry, glass, pottery, wood and synthetic resins.

Mixed Abrasive Grain type

Mixed use of abrasive grain of the same type

- **PA・W** : For precision grinding of high speed steel, alloy steels, tool steels and special alloys.
- **A・WA** : For rough grinding of iron and steel materials, low carbon steels, forged products, castings, steel materials and stainless steels.

Bonding Material

Material used to bond and hold abrasive grains.
Primary bonding materials are shown below.

- **V (vitrified)** : Mainstream of magnetic bonding material, grinding stone
- **B (resinoid)** : Bonding material is mainly made of thermosetting
- **R (rubber)** : Hard rubber
- **E (shellac)** : Thermoplastic resin (natural resin)

Hardness Grade

This shows bonding strength of abrasive grain, bonding materials and wear resistance of grinding stone. The Hardness Grade is measured by various instruments. The hardness is classified from A to Z, A is the softest while Z is the hardest.

Hardness Grade

E F G H I J K L M N O P Q R S T ~ Z

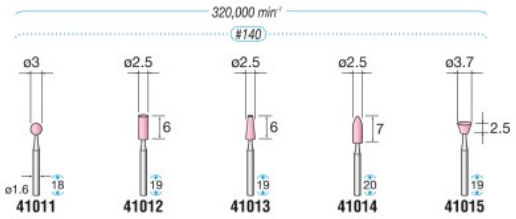
◄ Very soft ►◄ Soft ►◄ Medium ►◄ Hard ►◄ Very Hard ►

1.6 mm shank diameter series. Short Shank Type grindstones for high-speed rotation. Ideal for very small parts.

SHANK ø1.6

10 pcs./pack | WA | V | P | PINK

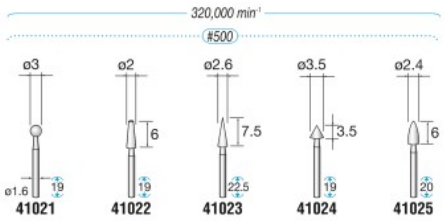
320,000 min⁻¹ | #140



SHANK ø1.6

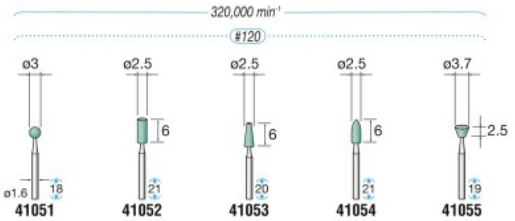
10 pcs./pack | WA | V | P | WHITE

320,000 min⁻¹ | #500



10 pcs./pack | GC | V | M | GREEN

320,000 min⁻¹ | #120

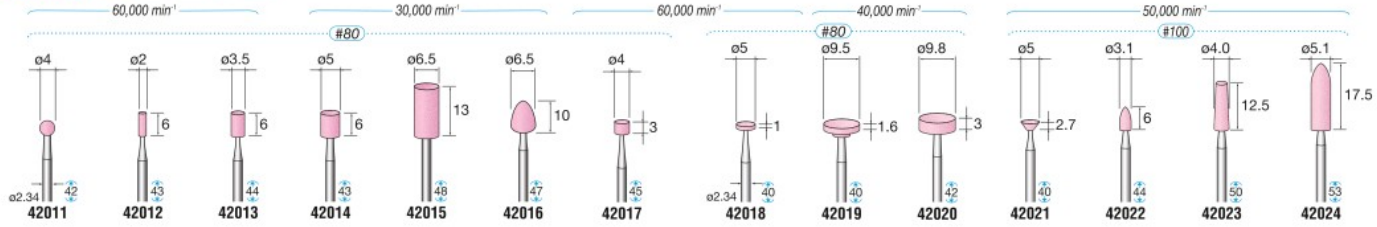


SHANK ø2.34

10 pcs./pack | WA | V | P | PINK

60,000 min⁻¹ | 30,000 min⁻¹ | 60,000 min⁻¹ | 40,000 min⁻¹ | 50,000 min⁻¹

#80 | #80 | #100

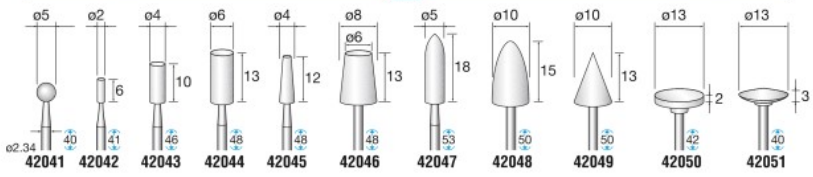


SHANK ø2.34

10 pcs./pack | WA | V | P | WHITE

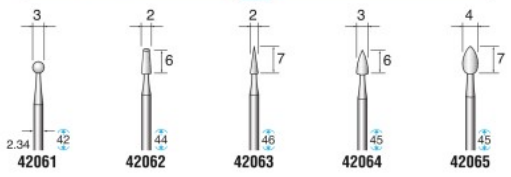
60,000 min⁻¹ | 50,000 min⁻¹ | 60,000 min⁻¹ | 40,000 min⁻¹ | 50,000 min⁻¹ | 40,000 min⁻¹

#120



10 pcs./pack | WA | V | P | WHITE

30,000 min⁻¹ | #500



*Order in standard package quantities.