

MightyShield

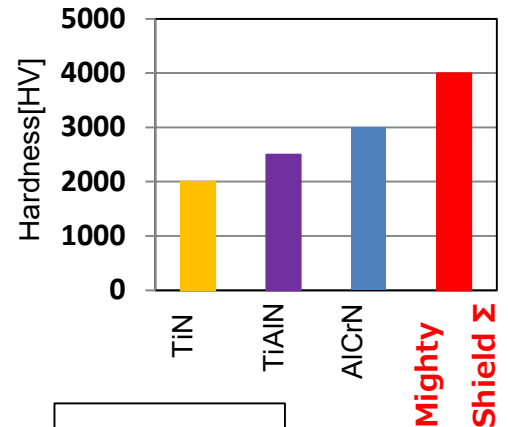


(Trademark Registration Pending)

An all-purpose coating that protects the cutting edge

Characteristic

- Achieves long life by employing high hardness film (HV4000) with excellent heat resistance
- Supports a wide range of processing areas (HSS hobs, carbide hobs)
- Demonstrates performance in any cutting environment, dry or wet



Example 1 GEAR PINON hobbing

[Work spec]

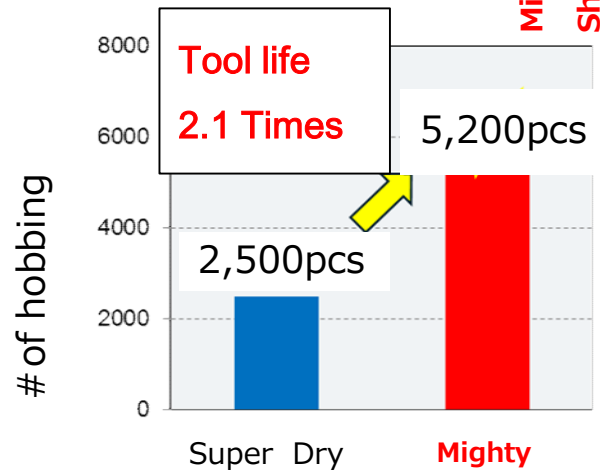
m 2.7 NT 15 PA 20°
HA 30° 20Cr4

[Hob spec]

4-starts 12-gashes
Material : MACH7

[Cutting condition]

Cutting speed 180m/min
Ax feed 1.0mm/rev
Dry



Example 2 GEAR COUNTER hobbing

[Work spec]

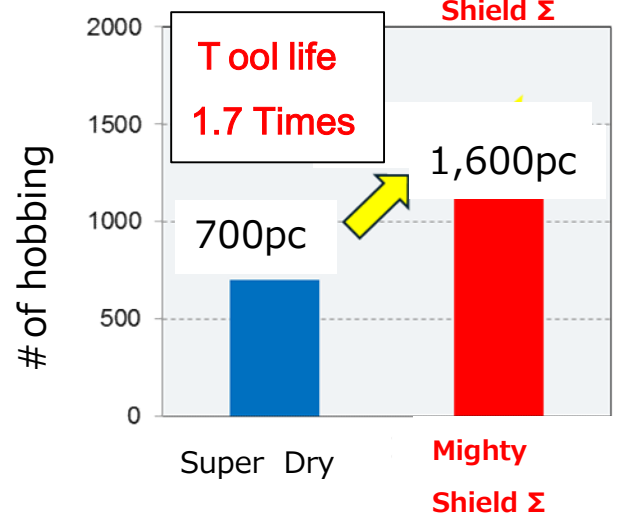
m 2.3 NT 55 PA 15°
HA 27° 20Cr4

[Hob spec]

4-starts 14-gashes
Material : MACH7

[Cutting condition]

Cutting speed 180m/min
Ax feed 2.0mm/rev
Dry



NIDEC MACHINE TOOL CORPORATION