

GS Mill Hard End Mills



GS Mill Hard

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Milling Up to 70HRc

• Features:

- High Speed Machining of Hardened Steels
- For Machining Hardened Steels up to 70 Hrc
- Nachi's New "GS Hard Coat" (Al-Ti-Cr Based Coating)
- 3 Times Tougher Anti-Oxidization at 1,100° C

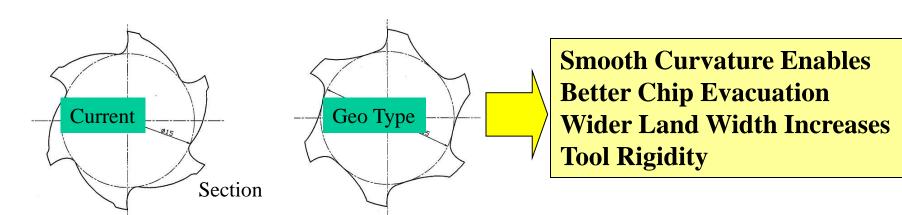
• Work Materials:

 Pre-Hardened Steels, Mold Steels, Hardened Steels H13, D2, M3 (45-60 Hrc)



Features of GS-Mill Hard

- •"Geo" Flute Geometry to Increase Both Chip Evacuation and Higher Rigidity
- Corner Chamfering to Minimize the Corner Wear
- New "GS Hard" Coating to Dissipate Heat and Smoother Chip Evacuation
- Ultra Micro Grain Carbide for Better Abrasion Resistance



[Invention on Corner Edge]





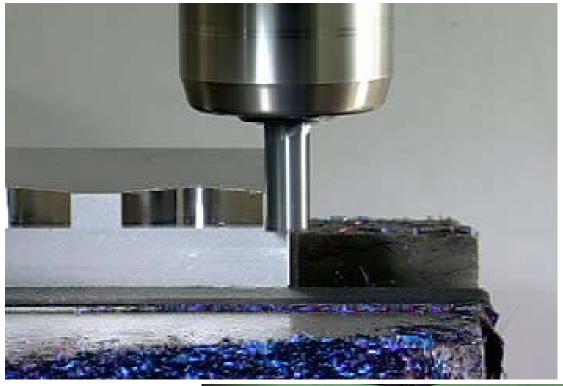


The Corner Chamfering Minimizes the Corner Wear Effectively



Performance of GS-Mill Hard

Movie SKD61(53HRC) Ultra High Speed



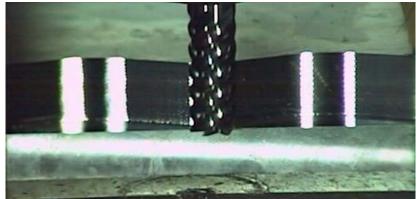
Dia: ϕ 10 6Flute Dry

V:800m/min

F: 10, 000mm/min

aa:10mm ar:0.2mm

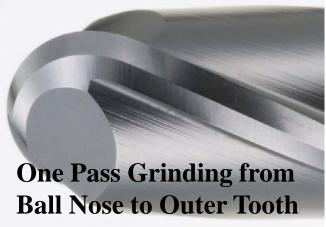
Material: SKD61(53HRC)





GS Mill Hard Ball





Durable Tool Life

- •Newly Developed "GS Hard Coating" with High Resistance to Wear and Lubrication Reduces Friction
- •High TRS by Ultra-Micro Grain Carbide Protects Chipping as Well as Wear
- Excellent Work Surface

Accurate Surface

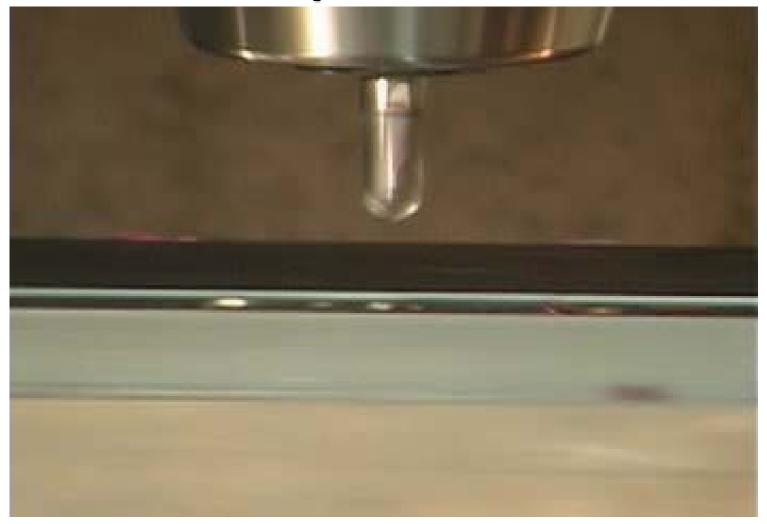
- •The Ball Nose Accuracy is Applied by +3∼−7μm
- The "One-Pass" Grinding Guarantees Excellent Surface Even on the Perpendicular Wall

Work Materials:

Pre-Hardened Steels, Mold Steels, Hardened Steels H13, D2, M3 (45-60 Hrc)



High Performance Milling SFM=750 RPM=9500 Feed= 80 ipm (End Mill R4, Mold Steel, 53HRC, R4, Radial Depth= 4mm, axial Depth=.025))





Thank You