HIGH PERFORMANCE PRODUCT

Best of Selection

We help you improve your productivity

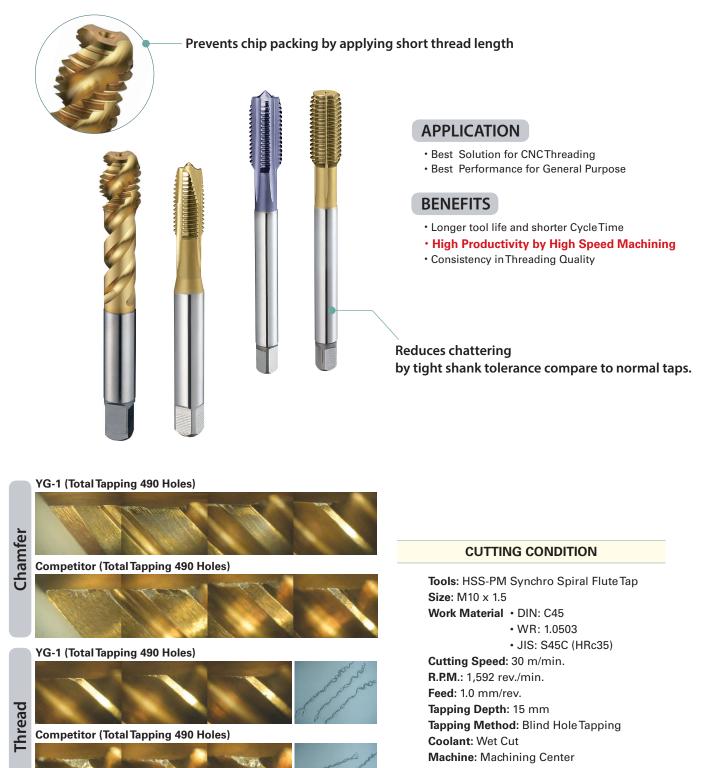




SYNCHRO TAPS (HSS-PM)

High Speed, High Precision for CNC Machining

Synchro Tap has an optimized short thread length and high thread reliefs. We guarantee you shorter cycle time, higher productivity, and longer tool life.YG-1's own special geometry prevents oversized thread and enables to manufacture superior quality of threading with consistence.



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 HEAD OFFICE
 PHONE: +82-32-526-0909, FAX: +82-32-526-4373, http://www.yg1.kr, E-mail: yg1@yg1.kr

 YG-1 EUROPE
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4G MILLS SOLID CARBIDE END MILLS

High Speed Cutting for Pre-Hardened Steel

4G Mills is designed to have edge preparation to prevent chipping, achieve outstanding finish, and keep longer tool life even at **High Speed Cutting**.

YG-1 Tailored carbide material and coating technology enable remarkable wear resistance and cutting ability for working material.

Carbon steels Alloy steels

BENEFITS

APPLICATION

Excellent for Mold & Die Industry

• New geometry, tailored carbide material, and coating enable outstanding cutting performance and wear resistance.

High performance for both Wet cut and Dry cut
Pre-hardened Steels and Hardened Steels (~ HRc55)

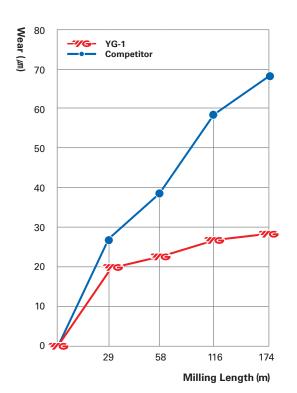
- Edge preparation to prevent chipping, achieve good finish, and long tool life in high speed cutting.
- Multiple helix designed in case of 4 flute end mills can work heavy cut and better finish.

CUTTING CONDITION

Tools: 4Flute, Corner Radius Size: Ø10(R0.5) x 10 x 25 x 100 Work Material: KP4M (HRc35 / DIN 1.2738 Improved) Cutting Speed: 51.522 m/min. RPM: 1,640 rev./min. Feed: 180 mm/min. Feed per tooth: 0.027 mm/tooth Milling Method: Down & Side Cutting Milling Depth: Axial: 25 mm, Radial: 0.5 mm Coolant: Oil Mist Overhang: 41mm

YG-1 (Total Milling Length : 174m)





3



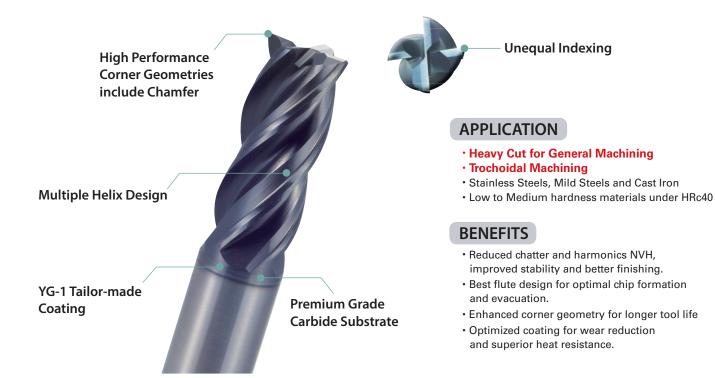


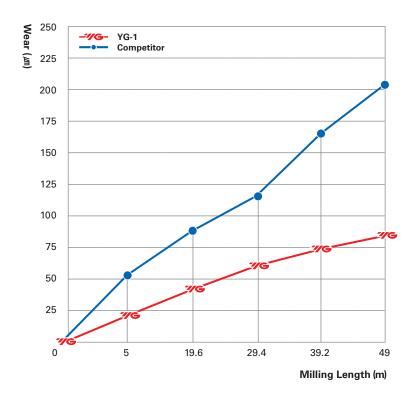
***/G** High Performance Product



Plus SOLID CARBIDE END MILLS High Performance End Mills for Steels & Stainless Steels

The V7 Plus for Mild Steels to difficult-to-cutting material under HRc40. It has a unique design that maximizes chip removal and improves productivity in slotting and heavy profiling operations. The V7 Plus advanced geometry reduces chatter for increased tool life and productivity.





CUTTING CONDITION

Tools: 4Flute, Square Size: Ø10 x 10 x 22 x 72 Work Material • DIN: C45 • WR: 1.0503 • JIS: S45C (HRc30) Cutting Speed: 230.09 m/min. RPM: 7,324 rev./min. Feed: 1,464 mm/min. Feed per tooth: 0.05 mm/tooth Milling Method: Down & Side Cutting Milling Depth: Axial: 10mm, Radial: 3mm Coolant: Wet Cut Overhang: 34 mm Machine: Machining Center

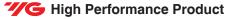
YG-1 (Total Milling Length: 49m)



Competitor (Total Milling Length: 49m)



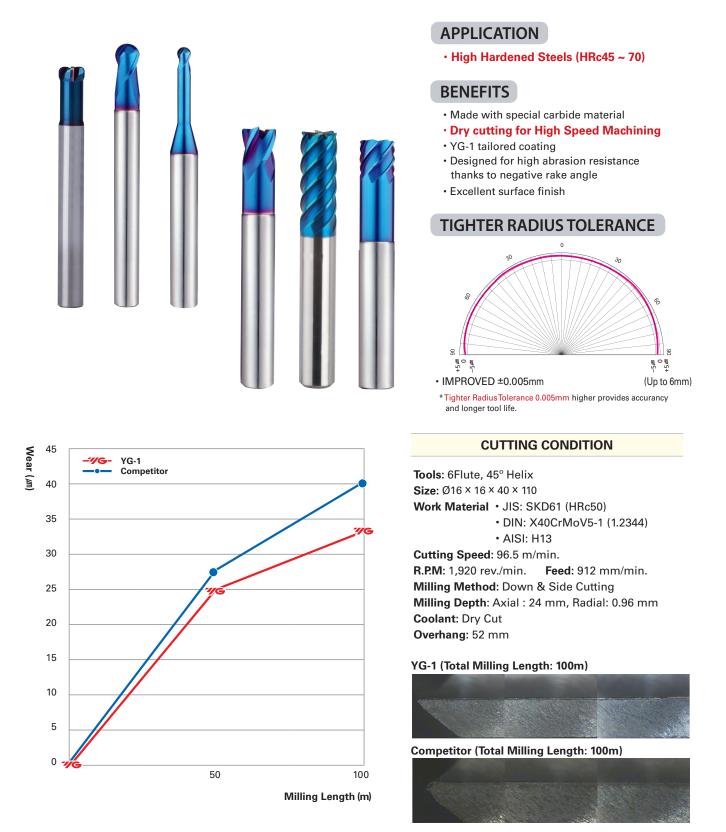
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X5070 SOLID CARBIDE END MILLS

for High Speed Cutting & Dry Cutting

X5070 made with special carbide material and YG-1 tailored coating for high hardened steels between HRc45 and HRc70 offers excellent surface finish in dry and high speed machining. Also, the unique geometry, negative rake angle, guarantees high abrasion resistance.





ONLY ONE (PM60)

HSS-PM END MILLS

PM(power metallurgy) material based Only One End Mill ensures **High Toughness** performance which is one of advantage of Cobalt HSS. Also, it has **Exceptional Wear Resistance** which is one of advantage of micro-grain carbide tools.

Excellent performance for Machining Condition with Vibration.



APPLICATION

- Stainless Steels
- Pre-hardened Steels
- Carbon steels
- Alloy steels
- Cast Iron

BENEFITS

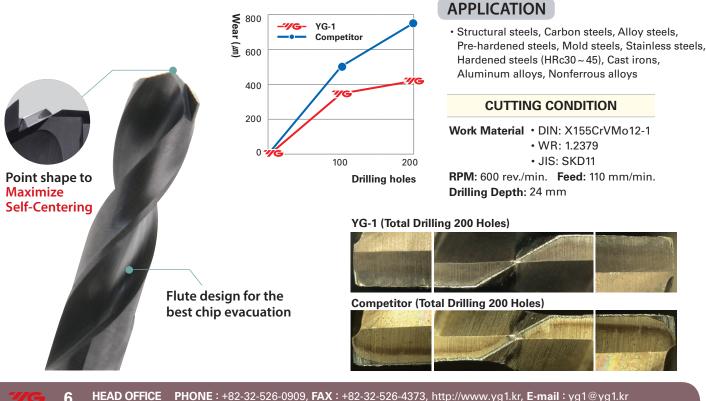
- Equivalent performance with carbide, but cheaper price, and long tool life in bad tooling condition.
- Excellent performance compare to Cobalt HSS tools with economical price level.

46 High Performance Product

MULTI-1 DRILLS

HSS-PM DRILLS

High Toughness and **Exceptional Wear Resistance**. Excellent performance for **Machining Condition with Vibration**.



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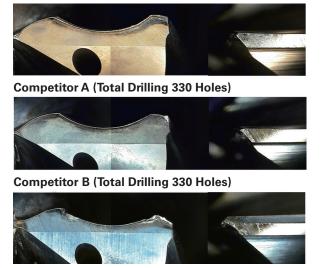
DREAM DRILL HIGH FEED

Higher Cutting Speeds and Feeds

Dream Drill High Feed offers 1.5 to 2 times **higher feeding speed** compared to conventional 2-flute drill. The unique flute design and exceptional surface finish promise extraordinary chip evacuation.



YG-1 (Total Drilling 330 Holes)



CUTTING CONDITION

Tools: Dream Drill High Feed Size: Ø10 x 10 x 61 x 103 Work Material • DIN: C45 • WR: 1.0503 • JIS: S45C (HRc20) R.P.M.: 3,200 m/min. Feed: 0.5 mm/rev. Drilling Depth: 50 mm (5xD) Drilling Method: Blind Hole Coolant: Internal Cooling Machine: Machining Center

″G 7

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Tool specifications are subject to change without prior notice.



QUICK-SEARCH YG-1 PRODUCTS!!