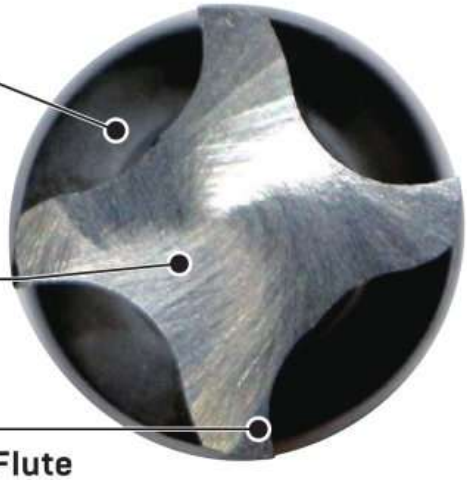
7leaders Multipurpose End Mills

Outstanding Anti-Vibration

Under High Speed Machining

Unequal Flutes, Variable Helix Geometry



Big Capacity Slot

Achieve high efficiency of chip removal

High Rigidity

Secure working stability

Sharp Cutting Flute

Efficiently reduce cutting force

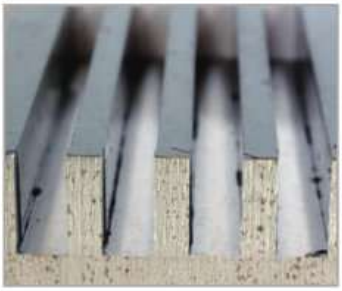
HIGH Performance

Efficient Chip Removal

Tool	E140HX ø12
Work Piece	S50C (about 20HRC)
Milling Method	Slotting
RPM	3180 rev/min
Cutting Speed	120 m/min
Feed	900 mm/min
Feed	0.07 mm/tooth
Milling Depth	Ap: 24 mm Ae: 12 mm

Cutting Chips

2XD Slotting



Unequal flutes and variable helix can greatly suppress vibration.

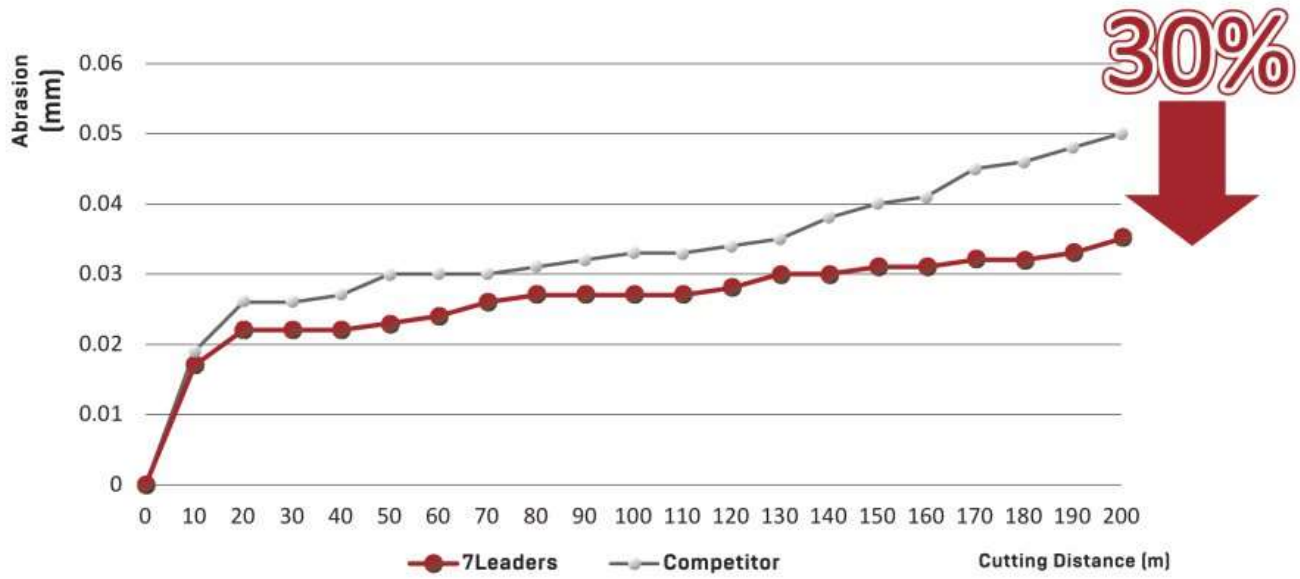
Additionally, special design of chip slot perfectly increases the capacity for chip removal and achieve stable slotting machining.

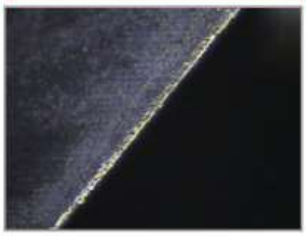
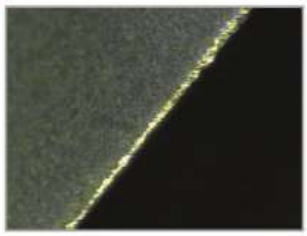
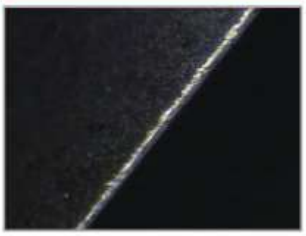
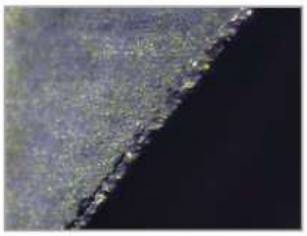
Coolant	air cooling

A5

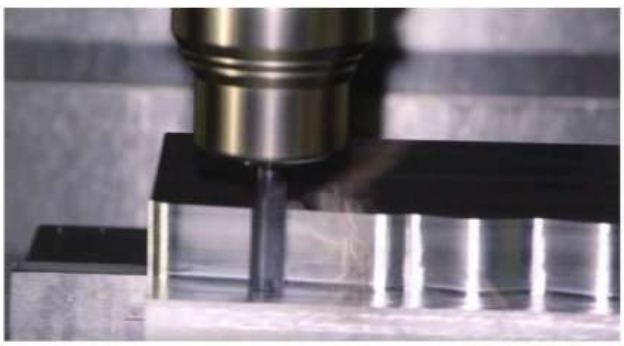
HIGH
Wear Resistance

Longer Cutting Life Time



100 m		200 m	
E140HX Abrasion 0.027 mm	**Competitor** Abrasion 0.033 mm	**E140HX** Abrasion 0.035 mm	**Competitor** Abrasion 0.050 mm
			

Tool	E140HX ø10
Work Piece	S50C (about 20HRC)
Milling Method	Side Milling
RPM	3650 rev/min
Cutting Speed	114 m/min
Feed	770 mm/min
Feed	0.052 mm/tooth



With the same test condition, the abrasion rate of E140HX from 7Leaders is 30% lower than the competitor brand.

By comparing the pictures of the cutting edge, E140HX reliably shows excellent wear resistance

Milling Depth	Ap: 20 mm Ae: 1 mm
Coolant	air cooling

EI40HX reliably shows excellent wear resistance.

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