



Signature INSERT GRADES

Grade	ISO	Description
U7003		An uncoated C2/C3 micro grain carbide grade polished for machining non-ferrous materials
C7025	P25-40 M20-M25 K15-K25	A tough, durable TiN/TiCN/Al ₂ O ₃ /TiN multi layer CVD coated grade used for machining steel, stainless and iron
C7026	P25-40 M20-M25	A tough, durable TiN/TiCN/Al ₂ O ₃ /TiN multi layer CVD coated grade used for machining carbon, alloy and some stainless materials
C7030	P25-P35	A tough wear resistance TiN/TiCN/TiN multi layer CVD coated grade used for machining mild steels
C7050	K20-30	A good wear resistant TiN/TiCN/Al ₂ O ₃ multi layer CVD coated grade for machining iron
P7010	P20-P35	A well balanced, tough wear resistant PVD TiAlN coated grade for machining alloy steels
P7040	P30-P40	A tough wear resistance PVD TiAlN coated milling grade for machining alloy steels

ISO Code	Material Type	Examples
P	P10 P20 P30 P40 <small>↑ Wear Resistance ↓ Toughness</small> Steels Carbon Steels/Alloy Steels	1018, 1020, 4140, 4340, 8620, P20, D2
M	M10 M20 M30 M40 <small>↑ Wear Resistance ↓ Toughness</small> Stainless Steels Ferritic & Martensitic Chromium Steels/ Austenitic Chromium Nickel Steels	304, 316L, 320, 420
K	K01 K10 K20 K30 <small>↑ Wear Resistance ↓ Toughness</small> Cast Irons Grey Cast Irons/Ductile Irons/Malleable Irons	60-40-18,80-55-06 Class 40
N	N01 N10 N20 N30 <small>↑ Wear Resistance ↓ Toughness</small> Non-Ferrous Materials Aluminum/Aluminum Alloys/Copper/Copper Alloys Non Metal Materials	6061, 7075, Bronze, Brass, Plastics
S	S01 S10 S20 S30 <small>↑ Wear Resistance ↓ Toughness</small> Super Alloys Nickel Based Alloys/Cobalt Based Alloys/Titanium Alloys	Incoloy 800, Inconel 722, Invar 35, 6AL-4V
H	H01 H10 H20 H30 <small>↑ Wear Resistance ↓ Toughness</small> Hard Materials Hardened Steels/Chilled Castings/ Hard Cast Irons	Heat Treated Steel >45 HRC White Irons

Quality Tooling is Our Signature