

Applications of carbide grades

ISO Code	U.S. Industry Code	Material to be machined	Operation				
P01	C8	Steel, steel casting	Drilling, Reaming, Coring	↑ Increased Operational Speed	↓ Increased Operational Feed	↑ Increased Wear Resistance	↓ Increased Toughness
P10	C7	Steel, steel casting	Drilling, Reaming, Coring				
P20	C6	Steel, steel castings malleable cast iron	Drilling, Reaming, Coring				
P30	C5	Steel, steel castings with sand inclusions, austenitic steel at medium to low cutting speeds and also under unfavourable cutting conditions	Drilling, Reaming, Coring				
P40	C5	Steel, steel castings with sand inclusions and cavities	Drilling, Reaming, Coring				
K01	C4	Very hard cast irons, high silicon aluminium alloys, hardened steel abrasive plastics, ceramics	Turning, Boring, Finish Turning, Milling				
K10	C3	Malleable cast iron, cast iron >220 Brinell, high silicon aluminium alloys, copper alloys, ceramics hardened steel	Drilling, Reaming, Coring				
K20	C2	Copper, aluminium, brass, Grey cast iron <220 Brinell	Drilling, Reaming, Coring				
K30	C1	Low hardness grey cast iron, low tensile steel	Drilling, Reaming, Coring				
K40	C1	Non-ferrous metals corrosion resistant and heat resisting steels, chromium, nickel, cobalt alloyed steels, titanium alloys and plastics	Drilling, Reaming, Coring				