

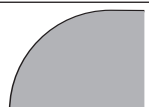










Standard Grade Descriptions






standard grades

grades	coating composition	recommended use
K313	 uncoated carbide	Uncoated carbide grade. K313 is suitable for machining cast iron, high-temperature alloys and non-ferrous metals. This grade can be used both dry and wet and is designed for light and general applications.
KC792M	 TiN TiCN TiN carbide	Coated carbide grade with an 8µm thick PVD/CVD multi-layer coating (TiN/TiCN/TiN). High-performance grade for machining steel, particularly at high cutting speeds. Primarily for use in light and general applications. KC792M is ideal for dry machining.
KT195M	 cermet	Uncoated cermet cutting material for light machining of steel. KT195M should be used dry.

solid carbide end mills

K600	 uncoated carbide	Carbide grade made from high-quality, micro-grain materials for cutting all types of material. Very high toughness guarantees a controlled wear rate. The micro-grain structure permits extremely sharp cutting edges.
KC610M	 TiN TiCN TiN carbide	Coated carbide grade with a PVD coating (TiN). Ideal for machining steel, stainless steel and heat-resistant alloys. This grade can be used both wet and dry and is ideal for use in difficult cutting conditions.
KC625M	 TiC(N) TiCN TiN carbide	Coated carbide grade with a 5 µm thick PVD multi-layer coating (TiN/TiCN/TiC). KC625M is a high-performance grade for milling all types of material. This grade is characterized by good hardness and wear resistance. It provides outstanding protection for solid carbide tools against cratering and abrasion. This grade is ideally used with coolant or minimal lubrication.
KC631M	 TiAlN carbide	Coated carbide grade with a 3µm thick PVD coating (TiAlN). KC631M is a very thin and smooth PVD coating which is particularly suitable for cutting aluminum with silicon contents greater than 12%. This coating keeps the necessarily sharp cutting edge upright and protects the tool against abrasion and edge build-up.
KC633M	 TiAlN TiN TiAlN carbide	Coated carbide grade with a 3µm thick PVD coating (TiAlN/TiN/TiAlN). KC633M is a high-performance grade for dry milling of all material types. This grade is characterized by good hardness and wear resistance. It provides outstanding protection for solid carbide tools against cratering and abrasion.
KC635M	 TiAlN carbide	Coated carbide grade with a 3µm thick PVD coating (TiAlN). KC635M is a high-performance grade for hard machining. This grade is characterized by extremely good hardness and wear resistance. This grade is suitable for cutting hard materials of up to 65 HRC.
KC637M	 TiAlN carbide	PVD TiAlN coated carbide on a "new" sub-micron carbide substrate. It's a very thin and hard coating that provides outstanding performance in milling hardened materials (50-65 HRC).
KT605M	 cermet	The high edge strength permits sharp cutting edges and exhibits virtually no edge build-up during machining. This results in excellent surface finishes.

thread milling

KC610M	 TiN carbide	Coated carbide grade with a PVD coating (TiN). Ideal for machining steel, stainless steel, and heat-resistant alloys. This grade can be used both wet and dry and is ideal for use in difficult cutting conditions.
KC620M	 TiN carbide	Coated carbide grade with a PVD coating (TiN). KC620M is suitable for machining cast iron, non-ferrous metals, and aluminum alloys. This grade can be used wet or dry.
KC635M	 TiAlN carbide	Coated carbide grade with a 3µm thick PVD coating (TiAlN). KC635M is a high-performance grade for hard machining. This grade is characterized by extremely good hardness and wear resistance. It is suitable for cutting hard materials of up to 65 HRC.