

	grades	coating composition	recommended use
SOLID CARBIDE	<b>K110M</b>		Uncoated carbide grade K110M is a universal grade for machining non-ferrous material. For use in light and general machining. K110M can be used with or without coolant.
		uncoated carbide	
INSERTS	<b>K115M</b>		Uncoated fine grade carbide. K115M is a premium uncoated grade designed for high edge-wear resistance in non-ferrous and cast iron materials. Recommended to be used with coolant.
		uncoated carbide	
FACE MILLS	<b>K125M</b>		Uncoated carbide grade K125M is particularly suitable for dry machining of steel. Primarily for use in light and general machining of steel.
		uncoated carbide	
	<b>K313</b>		Uncoated carbide grade. K313 is suitable for machining cast iron, high-temp alloys, and non-ferrous materials. This grade can be used both wet and dry and is designed for light and general machining.
		uncoated carbide	
90° MILLS	<b>KC410M</b>		The PVD TiB <sub>2</sub> coating on grade KC410M is extremely hard and provides very good wear characteristics at high cutting speeds. KC410M resists built up edge, can help reduce burring, and generates excellent surface finish. This grade is best suited for aluminum with <10% silicon and other non-ferrous materials.
		carbide	
SLOTTING	<b>KC510M</b>		Coated carbide grade with a TiAlN coating (PVD). KC510M is a highly wear-resistant grade. Primarily for use in milling aluminum and high-temp alloys in light machining applications.
		carbide	
DIE AND MOLD	<b>KC515M</b>		Premium coated grade K10 substrate with built in wear resistance. TiAlN coating for extended life during finishing applications. Used in finish ball nose and back draft inserts for the die & mold industry. Capable of running at moderate to high cutting speeds. Recommended to be used dry or with an air blast.
		carbide	
CERAMIC MILLS	<b>KC520M</b>		Coated carbide grade with a TiAlN coating (PVD). KC520M is a carbide grade developed specifically for general machining of ductile cast iron. This grade can be used wet or dry.
		carbide	
CLASSIC MILLS	<b>KC522M</b>		Coated carbide grade with a TiAlN (PVD) coating. KC522M is engineered to provide better performance in general machining of high-temp alloys and stainless steel. KC522M resists breakage and offers improved wear resistance and increased strength.
		carbide	
THREAD MILLS	<b>KC525M</b>		Coated carbide grade with a TiAlN coating (PVD). New universal carbide grade for milling steel, stainless steel, and high-temperature alloys. KC525M can be used with or without coolant. Primarily for use in light a general machining.
		carbide	
TECHNICAL DATA	<b>KC530M</b>		Premium PVD-coated carbide grade (P40) with a TiAlN coating. Enables extended tool life at moderate feeds and high cutting speeds. First choice for milling in all steels, including die & mold steels. Recommended to use without coolant.
		carbide	
	<b>KC715M</b>		KC715M is ideal for dry machining. The deformation substrate combined with a PVD coating can handle high temperatures and high surface speeds. It is primarily for use in light and general machining of steels, stainless steel, and cast steel.
		carbide	
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grades	coating composition	recommended use
<b>KC725M</b> 	 carbide	Coated carbide grade with an advanced PVD TiAlN coating. KC725M is a high-performance grade for milling steel, stainless steel, and ductile cast iron. The good thermal shock resistance of the substrate makes this grade ideal for both wet and dry machining. Primarily for use in general and heavy machining.
<b>KC735M</b> 	 carbide	PVD/TiN coated carbide grade. This grade offers an unusual combination of high toughness and wear resistance. Even under extreme toughness requirements, KC735M achieves outstanding results in general and heavy machining applications. This grade is suitable for milling with or without coolant.
<b>KC792M</b> 	 carbide	Coated carbide grade with an 8µm thick 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.
<b>KC915M</b> 	 carbide	Coated carbide grade with a CVD multi-layer coating (TiN/MT TiCN/Al <sub>2</sub> O <sub>3</sub> ). KC915M is a universal grade for milling cast iron. This cutting material is the first choice for light and general machining. KC915M can be used in wet and dry machining, although dry is preferred.
<b>KC935M</b> 	 carbide	Coated carbide grade with CVD multi-layer coating (TiN/MT TiCN/Al <sub>2</sub> O <sub>3</sub> ). KC935M is extremely well suited for wet or dry general purpose milling. KC935M can be used effectively across a wide range of materials such as steel, stainless steel, and ductile iron. Performs best dry at surface speeds in excess of 600 sfm or 180 meters.
<b>KY1540</b> 	 carbide	Combines excellent wear properties, fracture toughness, and thermal shock resistance for general purpose to finish machining of high-temperature alloys. Provides superior depth-of-cut notch resistance compared to whisker ceramics.
<b>KY2100</b> 	 carbide	Good mechanical shock resistance combined with edge wear resistance. Used for general purpose machining of high-temperature alloys.
<b>KY3500</b> 	 ceramic	Ceramic cutting material based on micro-grain Si <sub>3</sub> N <sub>4</sub> . Primarily for use in light to general machining of gray cast iron and ferritic ductile cast iron. Dry machining is preferred while using KY3500.
<b>KT530M</b> 	 cermet	Cermet with TiAlN coating. KT530M is a universal milling cermet grade. This cutting material is the first choice for light machining of steel and stainless steel. KT530M can be used with or without coolant.
<b>KD1410</b> 	 PCD	PCD-tip brazed to carbide. For cutting aluminum with a very high silicon content, abrasive non-ferrous materials, and fiber-reinforced plastics. KD1410 can be used at very high cutting speeds, even where good surface finishes are required. This grade can be used wet or dry.
<b>KD1415</b> 	 PCD	PCD-tip brazed to carbide. For general machining of aluminum with a low silicon content, non-ferrous heavy metals and plastics. KD1415 can be used at high cutting speeds and for continuous cutting, even where outstanding surface finishes are required. KD1415 is suitable for wet and dry machining.
<b>KD1420</b> 	 carbide	Grade KD1420 is a varied-grain, PCD-brazed tip grade. Well-suited for machining low-silicon aluminum, non-ferrous heavy metals, and plastics. Can be used at high cutting speeds where outstanding finish is required. Suitable for wet and dry machining.

SOLID CARBIDE

INSERTS

FACE MILLS

90° MILLS

SLOTTING

DIE AND MOLD










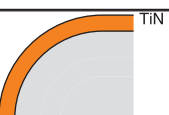

CERAMIC MILLS

CLASSIC MILLS

THREAD MILLS

TECHNICAL DATA

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	grades	coating composition	recommended use
SOLID CARBIDE	<b>KB1340</b>		PCBN cutting material with micro-grain structure for machining gray cast iron and hard materials. KB1340 grade has good wear resistance and is ideal for finishing. For use in light and general machining.
INSERTS	<b>TN5515</b>	 CBN	Coated carbide grade TN5515 has an MT-CVD-TiN-TiCN-Al <sub>2</sub> O <sub>3</sub> coating. Engineered for a balanced toughness and wear ratio. Ideal for light to medium machining of all cast irons.
FACE MILLS	<b>TN5520</b>	 carbide	Coated carbide grade TN5520 has an MT-CVD-TiN-TiCN-Al <sub>2</sub> O <sub>3</sub> coating. Ideal for light to medium machining of all cast irons.
90° MILLS	<b>TN6510</b>	 carbide	Coated carbide grade TN6510 has a PVD-TiAlN multilayer. It performs well in light to medium machining of all cast irons.
SLOTTING	<b>TN6520</b>	 carbide	Grade TN6520 has a PVD-TiAlN multilayer. It is engineered for light and medium machining of all types of cast irons.
DIE AND MOLD	<b>TN6525</b>	 carbide	Carbide grade TN6525 has a PVD-TiAlN multilayer. It is ideal for light and medium machining applications in steels and high-strength nodular cast irons.
	<b>TN6540</b>	 carbide	Coated carbide grade TN6540 has a PVD-TiAlN multilayer and is excellent for medium and heavy machining applications. It is ideal for use in all steels and nodular cast irons.
CERAMIC MILLS	<b>TN7525</b>	 carbide	Coated carbide grade TN7525 has an MT-CVD-TiN-TiCN-Al <sub>2</sub> O <sub>3</sub> -TiN coating. Engineered for light and medium machining of all steels and nodular cast irons.
CLASSIC MILLS	<b>KC610M</b>	 carbide	PVD (TiN/TiCN/TiN) coated carbide grade. KC610M is a high-performance grade for milling all types of material and is the first choice for steel. This grade is characterized by good hardness and wear resistance. This grade should be used with coolant or minimal lubrication.
THREAD MILLS	<b>KC620M</b>	 carbide	Coated carbide grade with a PVD coating (TiN). KC620M is suitable for machining cast iron, non-ferrous material, and aluminum alloys. This grade can be used wet or dry.
TECHNICAL DATA	<b>KC635M</b>	 carbide	Coated carbide grade with PVD TiAlN coating. KC635M is a high-performance grade for higher surface speeds and is a first choice for stainless steels. KC635M grade is characterized by high hardness and wear resistance. This grade is suitable for cutting hard materials (up to 65 HRC).