

Technical Information

Insert Grades for Milling

Coated Grades			05	10	15	20	25	30	35	40	45	50
TN2505 Coated hardmetal PVD -TiAlOx Light machining For steel and cast iron hardened up to 64 HRC For dry machining or fan coolant		P	█									
	HC-C05	H	█									
TN2510 Coated hardmetal MT-CVD / CVD - TiN-TiCN-Composite Medium and heavy machining For hardened steel, stellite or cast iron up to 64 HRC For mild cast iron at elevated cutting speeds		P	█									
	HC-H10	H	█									
TN2525 Coated hardmetal PVD - TiAlN Light and medium machining For hardened steel and chilled cast iron 50 - 65 HRC		P			█							
	HC-H20	H			█							
TN450 Coated hardmetal CVD - TiN-TiCN-TiN Medium and heavy machining Extremely tough and thermal shock-resistant grade Preferably used with coolant For steels and nodular cast iron		P					█					
	HC-P30	H					█					
TN5415 Coated hardmetal CVD - TiN-TiCN-Al2O3 Light and medium machining For cast irons For dry machining or fan coolant		P										
	HC-K15	H		█								
TN5505 Coated hardmetal MT-CVD / CVD - TiN-TiCN-Al2O3 Light machining For cast irons Recommended for use at high cutting speeds in favorable conditions		P										
	HC-K05	H		█								
TN5515 Coated hardmetal MT-CVD / CVD - TiN-TiCN-Al2O3 Light and medium machining For cast irons		P										
	HC-K15	H		█								







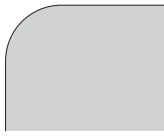
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Insert Grades for Milling

Coated Grades			05	10	15	20	25	30	35	40	45	50
TN5520 Coated hardmetal MT-CVD / CVD - TiN-TiCN-Al2O3 Light and medium machining For cast irons		P										
	HC-K20	M										
		K										
		N										
		S										
		H										
TN6405 Coated carbide PVD — TiAlN Multilayer Light and medium machining of cast iron and nodular cast iron		P										
	HC-K10	M										
		K										
		N										
		S										
		H										
TN6425 Coated carbide PVD — TiAlN Multilayer Light and medium machining of stainless steel and high temp alloys		P										
	HC-M25	M										
		K										
		N										
		S										
		H										
TN6430 Coated carbide PVD — TiCN Multilayer. Medium to heavy machining of steel.		P										
	HC-P25	M										
		K										
		N										
		S										
		H										
TN6501 Coated carbide PVD - TiB2 on ultra-fine grain carbide Light machining For aluminum and magnesium alloys		P										
	HC-N03	M										
		K										
		N										
		S										
		H										
TN6502 Coated carbide PVD - TiB2 Light machining For aluminum and magnesium alloys		P										
	HC-N05	M										
		K										
		N										
		S										
		H										
TN6510 Coated carbide PVD - TiAlN Multilayer Light machining For cast irons		P										
	HC-K10	M										
		K										
		N										
		S										
		H										

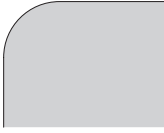






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Coated Grades			05	10	15	20	25	30	35	40	45	50
TN6520 Coated carbide PVD - TiAlN Multilayer Light and medium machining For cast irons		P										
	HC-K20	M										
		K										
		N										
		S										
TN6525 Coated carbide PVD - TiAlN Multilayer Light and medium machining For steels and high-strength nodular cast iron		P										
	HC-P25	M										
		K										
		N										
		S										
TN6540 Coated carbide PVD - TiAlN Multilayer Medium and heavy machining For steels and nodular cast iron		P										
	HC-P40	M										
		K										
		N										
		S										
TN7435 Coated carbide CVD - TiN-Al2O3 Medium and heavy machining For steels and nodular cast iron Use with or without coolant		P										
	HC-P35	M										
		K										
		N										
		S										
TN7525 Coated carbide MT-CVD / CVD - TiN-TiCN-Al2O3-TiN Light and medium machining For steels and nodular cast iron		P										
	HC-P25	M										
		K										
		N										
		S										
TN7535 Coated carbide MT-CVD / CVD - TiN-TiCN-Al2O3 Medium and heavy machining For steels and nodular cast iron Can be used in unfavorable conditions		P										
	HC-P35	M										
		K										
		N										
		S										
Uncoated Grades			05	10	15	20	25	30	35	40	45	50
THM Uncoated carbide Light and medium machining For cast irons, difficult-to-machine alloys, and all non-ferrous metals and non-metals		P										
	HW-K15	M										
		K										
		N										
		S										
		H										

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Uncoated Grades			05	10	15	20	25	30	35	40	45	50	
THM-F Uncoated carbide Light machining For non-ferrous metals and gray or malleable cast iron		P											
		M											
		K											
		N											
		S											
	HF-K10	H											
THM-U Uncoated carbide Ultra fine-grain grade with excellent wear resistance and cutting edge sharpness Light and medium machining For aluminum alloys with max. 12% silicon and magnesium alloys		P											
		M											
		K											
		N											
		S											
	HF-N05	H											
THR Uncoated carbide Medium and heavy machining For cast iron, non-ferrous metals, and titanium alloys		P											
		M											
		K											
		N											
		S											
	HW-K25	H											
TTM Uncoated carbide Medium machining For steels and nodular cast iron		P											
		M											
		K											
		N											
		S											
	HW-P25	H											
TTR Uncoated carbide Medium and heavy machining For steels and nodular cast iron Recommended for unfavorable conditions at low cutting speeds		P											
		M											
		K											
		N											
		S											
	HW-P35	H											
TK10M Uncoated K10 grade. Recommended for machining of non-ferrous materials and high temperature alloys. good wear resistance. designed to run with coolant.		P											
		M											
		K											
		N											
		S											
	HW-K10	H											
Cermets Grades			05	10	15	20	25	30	35	40	45	50	
TTI25 Cermet Light and medium machining Extremely good wear resistance For steels and nodular cast iron Recommended at high cutting speeds under favorable conditions		P											
		M											
		K											
		N											
		S											
	HT-P15	H											