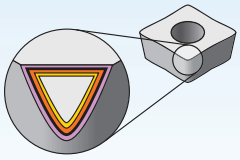
WIDIA™ VICTORY™ - GRADES & GRADE DESCRIPTIONS

WIDIA VICTORY



Coatings provide high-speed capability and are engineered for finishing to light roughing.

P	Steel
M	Stainless Steel
K	Cast Iron
N	Non-Ferrous Materials
S	High-Temp Alloys
H	Hardened Materials

wear resistance ⟷ toughness

Grade

Coating		Grade Description	05	10	15	20	25	30	35	40	45
WP15CT	HC-P15	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3-ZrCN. Good balance of wear resistance and toughness properties. Light and medium machining. For steels.	P								
WP25CT	HC-P25	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3-ZrCN. Good toughness properties. Medium and heavy machining. For steels.	P, M								
WP35CT	HC-P35	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3-ZrCN. Proven on all roughing and heavy roughing operations, wet or dry, on interrupted and non-interrupted cuts.	P								
WM15CT	HC-M15	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3-ZrCN. High degree of wear resistance and good resistance to depth-of-cut notching for long tool life in finishing to medium turning applications.	M								
WM25CT	HC-M25	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3-ZrCN. Good balance of wear resistance and toughness properties. Light and medium machining. For austenitic stainless steel AISI series.	M								
WM35CT	HC-M35	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3-ZrCN. Good toughness and wear resistance balance. For medium to roughing operations with light and heavily interrupted cuts.	M								
WK05CT	HC-K05	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3. Increased wear resistance for long tool life at high cutting speeds. Enhanced edge strength against depth-of-cut notching in interrupted cuts.	K								
WK20CT	HC-K20	Coated carbide. MT-CVD/CVD — TiN-TiCN-Al_2O_3. Light and medium machining. For cast irons.	K								
WS10PT	HC-S10	Coated carbide. PVD — TiAN Nano-multilayer. Light machining. For difficult-to-machine alloys and stainless steels.	M, S								
WS25PT	HC-S25	Coated carbide. PVD — TiAN Nano-multilayer. Light and medium machining. For difficult-to-machine alloys and stainless steels.	M, S								

CUTTING TOOLS & METALWORKING