

A system of grades, geometries, and application guidelines to provide optimal solutions for your metalcutting needs. It's easy to determine which WIDIA™ chip-control cutting tool will work best in your specific workpiece materials and applications!



W	P	15	C	T														
Brand	Primary Workpiece Material	Application Range*	Insert Material	Application														
<table border="1"> <tr><td>P</td><td>Steel</td></tr> <tr><td>M</td><td>Stainless Steel</td></tr> <tr><td>K</td><td>Cast Iron</td></tr> <tr><td>N</td><td>Non-Ferrous</td></tr> <tr><td>S</td><td>High-Temp Alloys</td></tr> <tr><td>H</td><td>Hardened Materials</td></tr> <tr><td>U</td><td>Universal Machining</td></tr> </table>	P	Steel	M	Stainless Steel	K	Cast Iron	N	Non-Ferrous	S	High-Temp Alloys	H	Hardened Materials	U	Universal Machining		<p>05 = fine finishing                      10 = finishing                      15 = } medium to roughing                      20 = }                      25 = }                      30 = } roughing                      35 = }                      40 = }                      45 = } heaviest roughing                      50 = }</p> <p>*Samples shown are based on turning and will differ within applications</p>	<p>H = Uncoated Carbide                      C = Carbide + CVD                      P = Carbide + PVD                      T = Cermet                      Y = Ceramics                      D = Diamond                      B = PcBN                      S = HSS                      E = HSS-E                      M = HSS-E-PM</p>	<p>T = Turning                      M = Milling                      H = Holemaking                      D = Solid Drills                      E = Solid End Mills                      G = Taps                      R = Reamer                      V = Thread Mills</p>
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