
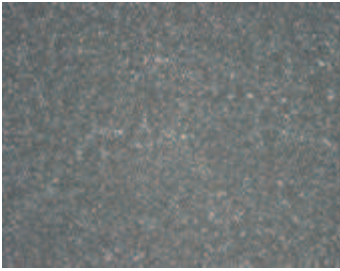

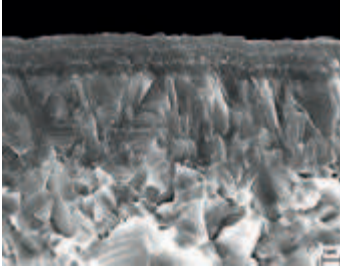



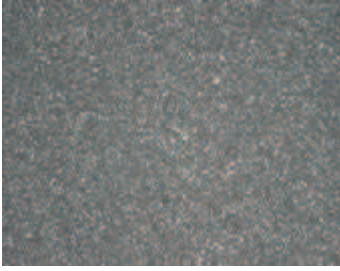
## Grade description


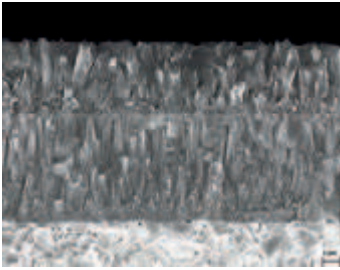
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<b>TCM407</b>	HT-P10   HT-M05   HT-K05	
	<p><b>Specification:</b> Composition: Co/Ni 8.0%; WC 16.0%; TaNbC 10.0%; TiCN balance   Hardness: HV<sub>30</sub> 1780</p> <p><b>Recommended application:</b> Uncoated cermet grade for precision finishing of steel materials.</p>	

<b>CTEP110</b> COLORSTAR™	HE-P10   HE-K05   HE-M10	
	<p><b>Specification:</b> Composition: Co/Ni 12.2%; WC 15.0%; TaNbC 10.0%; TiCN balance   Grain size: fine   Hardness: HV<sub>30</sub> 1620   Coating specification: CVD TiCN-Al<sub>2</sub>O<sub>3</sub> multi-layer</p> <p><b>Recommended application:</b> The cermet grade with additional toughness for finishing operations at high speeds.</p>	

<b>TCM10</b>	HT-P15   HT-M10   HT-K10	
	<p><b>Specification:</b> Composition: cermet Co/Ni 12.2%; WC 15.0%; TaNbC 10.0%; TiCN balance   Hardness: HV<sub>30</sub> 1620</p> <p><b>Recommended application:</b> The uncoated cermet grade for the finishing of hardened steel.</p>	

<b>CTCP115</b> BLACKSTAR™	HC-P15   HC-K25   HC-M10	
	<p><b>Specification:</b> Composition: Co 5.8%; mixed carbides 6.4%; WC balance   Grain size: 1 - 2 μm   Hardness: HV<sub>30</sub> 1550   Coating specification: CVD TiCN-Al<sub>2</sub>O<sub>3</sub></p> <p><b>Recommended application:</b> The wear-resistant high-performance grade for steel machining.</p>	