

The TechMet logo is located in the top left corner. It features the word "TechMet" in a bold, blue, sans-serif font. A thin orange horizontal line is positioned directly beneath the "Tech" portion of the logo.

# TechMet



## TMK-290X



***Optimal Grade for Machining of Hardened Materials – 50 to 65 HR<sub>C</sub>***

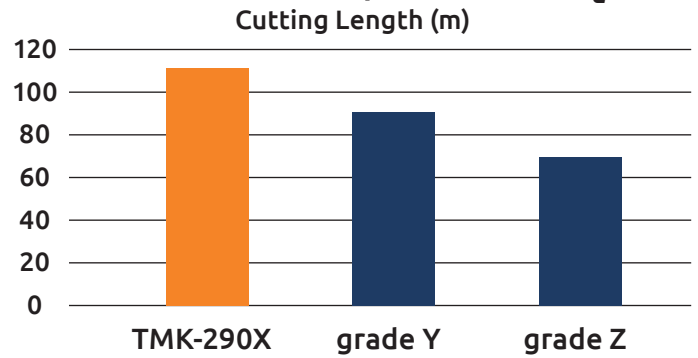
TechMet's new grade TMK-290X is engineered to achieve the high hardness, increased transverse rupture strength and unparalleled fracture toughness needed to successfully machine hardened materials - from 50 to 65 HR<sub>C</sub>.

TMK-290X is a nano-grain tungsten carbide grade (nominal grain size 0.2 µm), with a 9% cobalt binder.

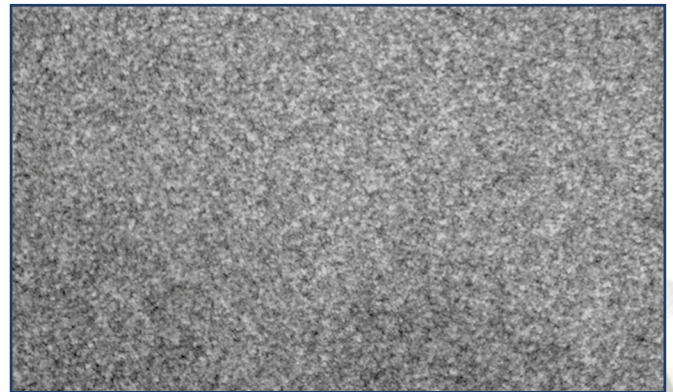
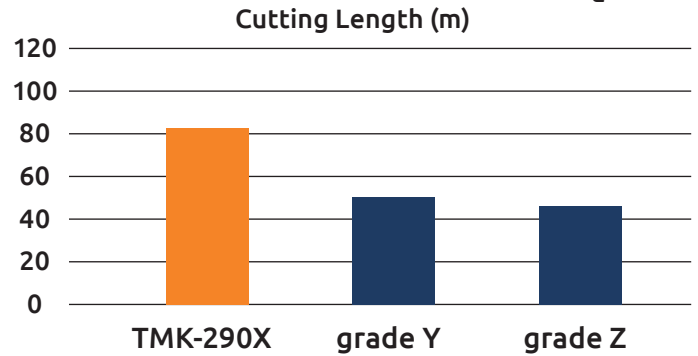
# TMK-290X

<b>WC</b>	%	91
<b>Co</b>	%	9
<b>Hardness</b>	HRA	93.9
<b>Hardness</b>	HV <sub>30</sub>	1950
<b>Density</b>	g/cm <sup>3</sup>	14.44
<b>TRS</b>	psi	min 600,000
<b>Porosity</b>	A	<02
	B	00
	C	00
<b>Grain Size</b>	μm	0.2
<b>Application</b>	Endmilling and drilling in hardened materials, from 50 to 65 HR <sub>C</sub> . Also suitable for composite machining.	

## Performance Comparison (50 HR<sub>C</sub>)



## Performance Comparison (60 HR<sub>C</sub>)



TMK-290X, 1500x magnification

TMK-290X offers the combination of high hardness and toughness needed to successfully machine hardened workpiece materials. Tools produced from TMK-290X will provide extremely high wear resistance, stiffness and strength - resulting in longer tool life and more consistent and predictable cutting tool performance.

TMK-290X is offered in a range of standard sizes for the production of high performance endmills and drills. Contact TechMet to try TMK-290X - the solution for hardened materials.