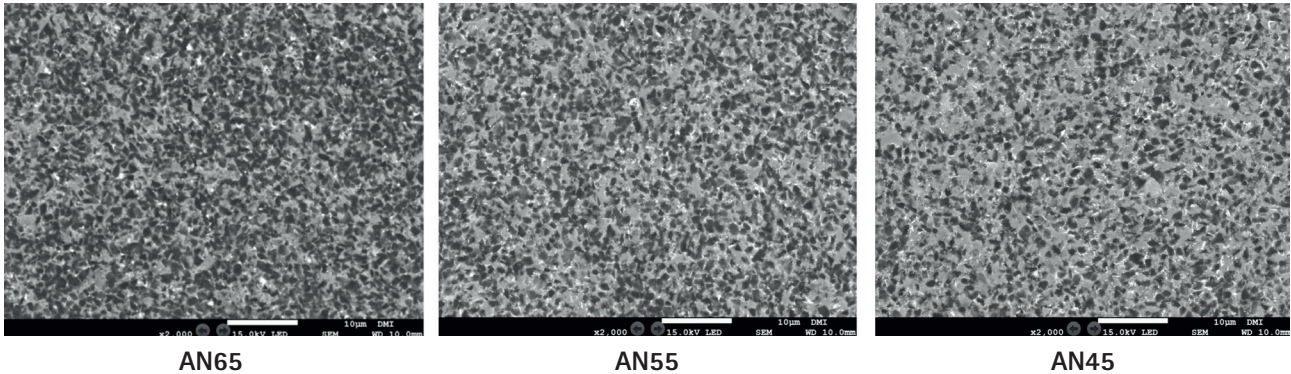


# ADICO Low content PCBN

ADICO has completed the development of three new low content PCBN grades (AN65, AN55, AN45) for hard machining.

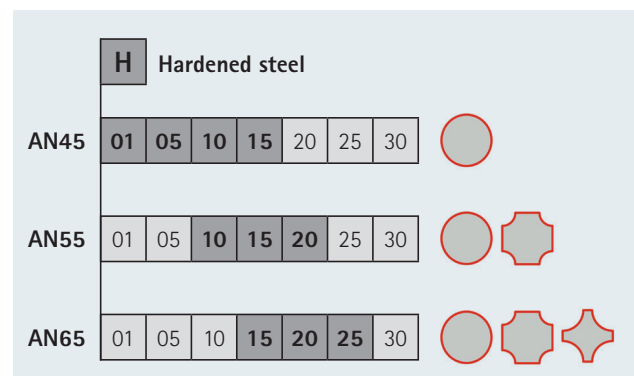
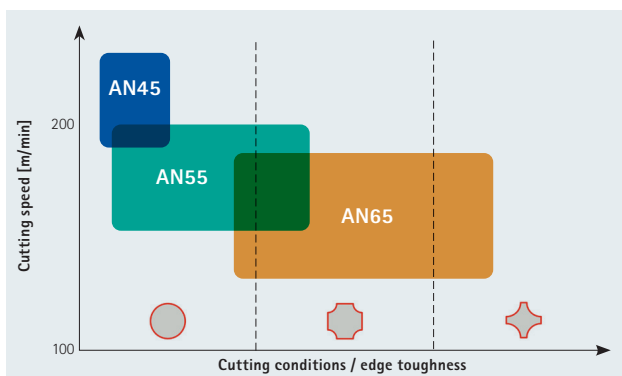
## NEW PCBN Series MICROSTRUCTURE



## NEW PCBN Series CHARACTERISTIC

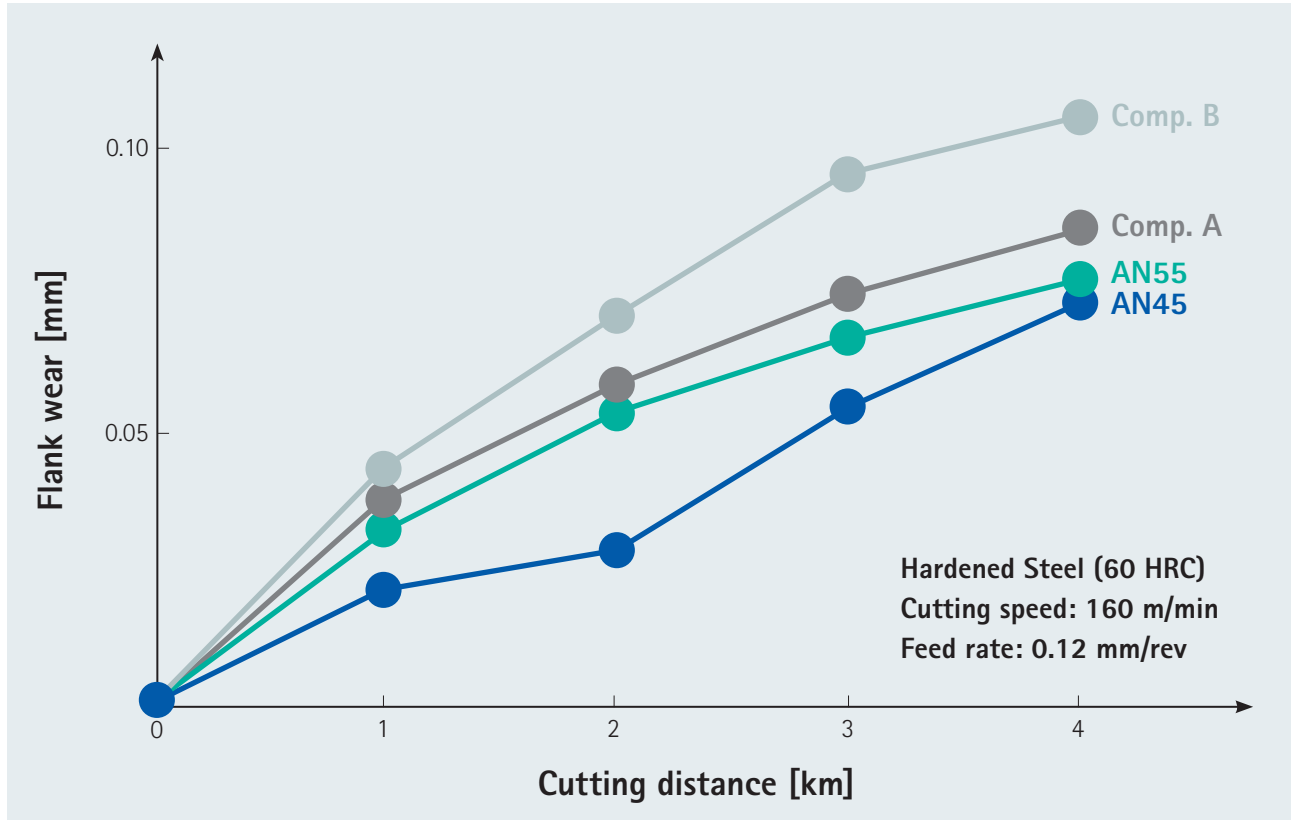
Grade	CBN [vol%]	CBN Grain size [ $\mu\text{m}$ ]	Main Binder (special ceramics)	Specification
AN65	65	1	TiN	Improved chipping resistance for medium interrupted cutting
AN55	55	1	TiCN	Balanced abrasion and impact resistance for continuous and light interrupted cutting
AN45	45	1	TiCN	Excellent crater wear resistance for continuous cutting at high speed and finishing

## NEW PCBN Series APPLICATION



The new PCBN grades minimize chipping of PCBN tool edges by the strong bonding effect of proprietary CBN powder processing technology. And show reduced crater wear due to new developed ceramic binder systems which increased the hardness and heat resistance. The products are designed for processing various heat-treated steel parts and will provide improved workpiece surface quality and tool life.

## Continuous cutting in hardened steel



## Interrupted cutting in hardened steel

