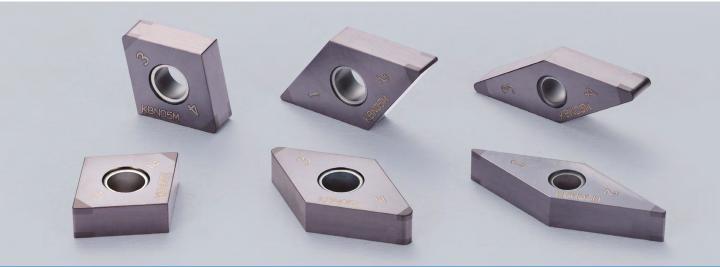
THE NEW VALUE FRONTIER



double-sided multi-edge inserts | KBN05M

KBN05M



Economical double-sided insert now added to KBN05M lineup

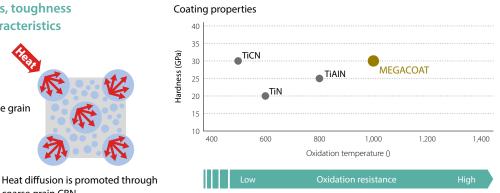
KBN05M is used in a wide range of applications from continuous (high-speed finishing) to interrupted machining.

Save on insert costs with economical double-sided multi-edge inserts.

coarse grain CBN

High thermal conductivity

- Hybrid Grain Structure (KBN05M)
- Mixed structure of micro grain CBN and coarse grain CBN
- BN possesses high hardness, toughness and thermal resistance characteristics **CBN** structure Coarse grain CBN



Superior wear and Oxidation Resistance with MEGACOAT

Micro grain CBN

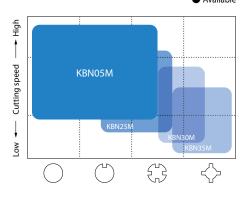
Negative type inserts

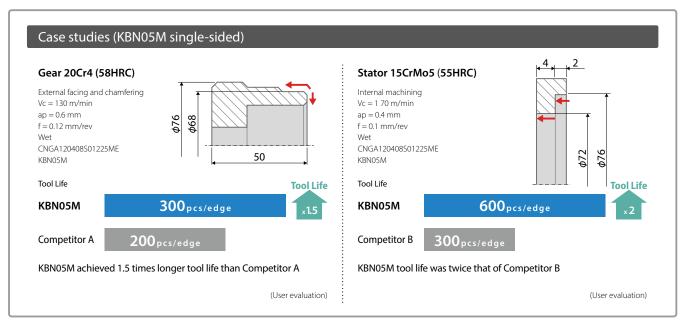
Shape		_	Edge specification	Dimensions (mm)				No. of		
		Description		I.C.	Thickness	Hole	Corner-R (rε)		edges	KBN05M
		CNGA 120404ME4	- 501225	12.70	4.76	5.16	0.4	2.6	- 4 -	•
		120408ME4					0.8	2.6		•
		120412ME4					1.2	2.5		•
1 0 2		DNGA 150404ME4					0.4	2.6		•
		150408ME4					0.8	2.2		•
		150412ME4					1.2	1.9		•
Caller Color		TNGA 160404ME6		9.525		3.81	0.4	2.7		•
		160408ME6					0.8	2.4	6	•
		160412ME6					1.2	2.1		•
0		VNGA 160404ME4					0.4	2.0	4	•
		160408ME4					0.8	1.8		•

S01225: 0.12 mm X 25° Chamfered + honed cutting edge

Recommended cutting conditions

Workpiece	Hardness	Application		Cutting conditions			
				Vc (m/min)	ap (mm)	(mm/rev)	
Hardened material	> 55 HRC	General finishing	Continuous to interrupted	100 - 150 - 200	0.05 - 0.3 - 0.5	0.05 - 0.08 - 0.1	







Available