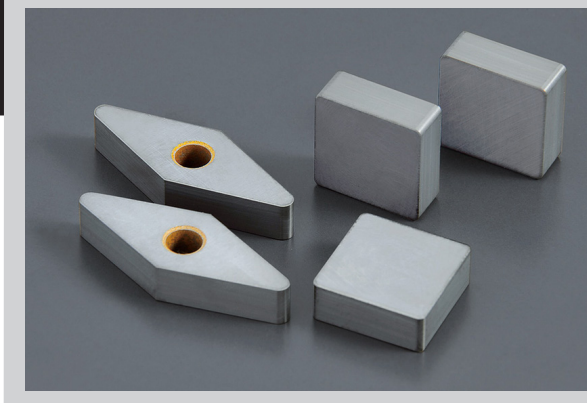
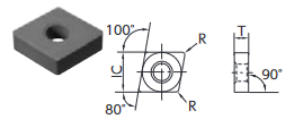
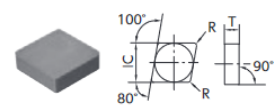


SX6 ~PREMIUM~ SILICON NITRADE

- Excellent wear resistance in applications where notch wear appears
- Stable tool life in the applications where thermal shock resistance is required : such as WET machining or milling
- Long tool life and high productivity at high cutting speed



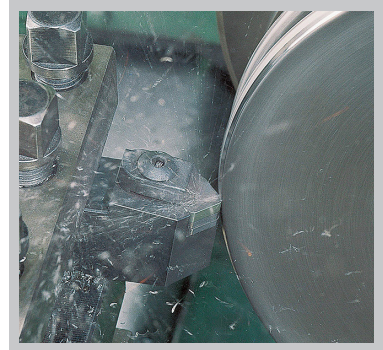
80 degree Rhombic Negative type



Item #	IC	R	List Ea.
CNG433 T0820	1/2	0.047	\$XX.XX

AVAILABLE IN STOCK

Item #	IC	R	List Ea.
CNGA432T0820	1/2	.031	\$XX.XX
CNGA433T0820	1/2	.047	\$XX.XX
CNGA434T0820	1/2	.063	\$XX.XX
CNGA543T0820	5/8	.047	\$XX.XX
CNGA643T0820	3/4	.047	\$XX.XX



Operating Parameters

Grade	Material	Operation type	Machining	Cutting Speed (SFM)	Feed (IPR/IPT)	DOC (Inch)	Coolant
SX6	Gray cast iron	Turning	Roughing with scale, Rough to semi-finish machining	1500-3500	.012 - .025	-.140	DRY/WET

Brake disc

Material : Workpiece condition :	FC150 with scale	
Cutting speed :	3600 SFM	
Feed :	0.02 IPR	
DOC :	.079 ~ .118 Inch	
Coolant :	WET	
SX6	75 pcs / corner	
Competitor's silicon nitride	50 pcs / corner	

Why is silicon nitride ceramic resistant to chipping?

The main component is silicon nitride(Si₃N₄), which differs from alumina-based materials in that its particles are needle-like. The intertwining of the needle-like particles greatly suppresses the progression of cracks caused by impact during cutting and prevents chipping.

Auxiliary compound
Material diagram

SX6 achieved 1.5 times longer tool life compared to competitor's silicon nitride

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