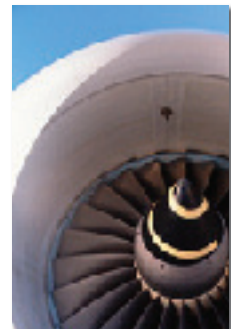


High Temperature Alloy Turning



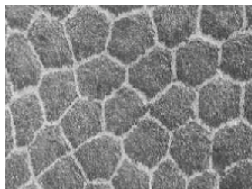
Gas Turbines



Jet Engines

High temperature alloys describes a broad range of nickel, iron, cobalt and titanium based materials developed for operational temperatures up to 1,200° C.

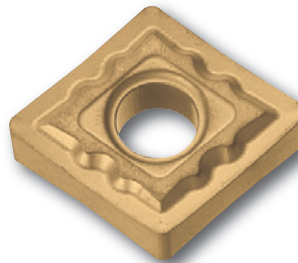
■ Cell Fiber Ceramic



KX213 cell fiber ceramic for roughing nickel, iron, and cobalt alloys and hard materials (45Rc)

Cell fiber ceramic consists of a honeycomb-like structure featuring a matrix of hard center cores surrounded by a tough outer shell. This unique technology produces a very tough and extremely hard ceramic material ideal for machining of high temperature alloys.

■ TK Chipbreaker



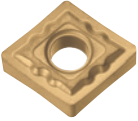
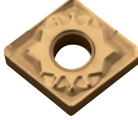

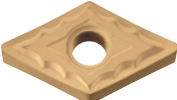


High positive, sharp edge to resist edge build-up

Available in PR905, PR915 & CA6015 carbide grades


First Choices

Grade	Application	Feature
PR905 PVD Coated Carbide	Finish turning of high temperature alloys	Lower cutting forces and higher speed applications
PR915 PVD Coated Carbide	Turning and drilling of high temperature alloys	Tough grade for slower speed applications with positive geometries
CA6015 CVD Coated Carbide	Rough turning of high temperature alloys and stainless steels	Tough grade for roughing and general purpose applications
KX213 Cell Fiber Ceramic	Turning and milling of high temperature alloys	Machines high temperature alloys at 6 times the speed of carbide

● Carbide Inserts

	Description	I.C.	Thk.	R	PR905 stock	PR915 stock	CA6015 stock
	CNMP431TK	1/2	3/16	1/64	●	●	●
	CNMP432TK			1/32	●	●	●
	CNMG432HU	1/2	3/16	1/64	●	●	●
	CNMG433HU			1/32	●	●	●
	CNMG431SU	1/2	3/16	1/64			●
	CNMG432SU			1/32			●
	CNMG433SU			3/64			●
	DNMP431TK	1/2	3/16	1/64	●	●	●
	DNMP432TK			1/32	●	●	●
	DNMG431SU	1/2	3/16	1/64			●
	DNMG432SU			1/32			●
	WNMP431TK	1/2	3/16	1/64	●	●	●
	WNMP432TK			1/32	●	●	●
	WNMG431SU	1/2	3/16	1/64			●
	WNMG432SU			1/32			●

● Ceramic Inserts

	Description	Edge Prep	I.C.	Thk.	KX213
	RNG43	T00420 T00820	1/2	3/16	Available by quotation only
	RNG45	T00420 T00820	1/2	5/16	