

Triangular, 60°

Negative inserts

Application	Chipbreaker Appearance (Cross section)	f - ap	Cat. No	Stocked grades				Dimensions (in)			
				Coated				I.C.dia ød	Thick- ness s	Hole dia ød1	Corner radius rε
				T9105	T9115	T9125	T9135				
Finishing to medium cutting	27 		TNMG 331 TN27		○	●		.375	.187	.150	.016
			TNMG 332 TN27		●	●					.031
			TNMG 431 TN27			●		.500	.187	.203	.016
			TNMG 432 TN27			●					.031
			TNMG 433 TN27			●		.500	.187	.203	.047
Medium cutting	TM 		TNMG 221 TM		●	●	○	.250	.125	.089	.016
			TNMG 222 TM		●	●	○				.031
			TNMG 321 TM		●	●		.375	.125	.150	.016
			TNMG 322 TM		●	●					.031
			TNMG 331 TM		●	●	○	.375	.187	.150	.016
			*TNMG 332 TM	○	●	●	○				.031
			TNMG 333 TM	●	●	●	○	.500	.187	.203	.047
			TNMG 432 TM	●	●	●	●				.031
			TNMG 433 TM		●	●	●	.500	.187	.203	.047
			TNMG 434 TM		●	●					.063
Medium cutting	All-round 		TNMG 221		●	●		.250	.125	.089	.016
			TNMG 222		●	●					.031
			TNMG 331	○	●	●	○	.375	.187	.150	.016
			*TNMG 332	●	●	●	○				.031
			TNMG 333	●	●	●	○	.500	.187	.203	.047
			TNMG 334		○	●	○				.063
			TNMG 335		○	●	○	.078			
			TNMG 432	●	●	●	○	.500	.187	.203	.031
			TNMG 433	●	●	●	○				.047
			TNMG 434		●	●					.063
Medium cutting	DM 		*TNMG 332 DM	○	●	●	○	.375	.187	.150	.031
			TNMG 333 DM		●	●					.047
Medium to heavy cutting	S 		TNMG 331 TRS			●	○	.375	.187	.150	.016
			TNMG 331 TLS			●	○				.016
			*TNMG 332 TRS			●	○	.500	.187	.203	.031
			TNMG 332 TLS			●	○				.031
			TNMG 431 TRS			●	○	.500	.187	.203	.016
			TNMG 431 TLS			●	○				.016
			TNMG 432 TRS			●	●	.500	.187	.203	.031
			TNMG 432 TLS			●	●				.031
Medium to heavy cutting	TH 		*TNMG 432 TH		●	●	○	.500	.187	.203	.031
			TNMG 433 TH		●	●	●				.047

*Note: Chipbreaker cross sections are of * marked insert.

● : Stocked items
○ : Stocked in Japan