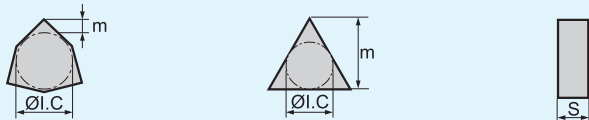


A

Insert shape			Major cutting edge Clearance angle		Chip-breaker and/or fixing type		

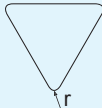
T N M G

Tolerances, inch

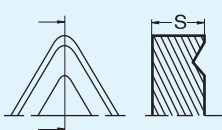


Letter Symbol	Tolerances in inches			Inscribed circle diameter	Tolerances for M		Tolerances for d	
	m	s	d		Class M	Class U	Class M.J.K.L	Class U
A	±0.0002	±0.001	±0.0010	0.250	±0.003	±0.005	±0.002	±0.003
F	±0.0002	±0.001	±0.0005	0.375	±0.003	±0.005	±0.002	±0.003
C	±0.0005	±0.001	±0.0010	0.500	±0.005	±0.008	±0.003	±0.005
H	±0.0005	±0.001	±0.0005	0.625	±0.006	±0.011	±0.004	±0.007
E	±0.0010	±0.001	±0.0010	0.750	±0.006	±0.011	±0.004	±0.007
G	±0.0010	±0.005	±0.0010	1.000	±0.007	±0.015	±0.005	±0.010
J	±0.0002	±0.01	±0.002	Insert shape D				
K	±0.0005	±0.01	±0.02	Inscribed circle diameter	Tolerances for M		Tolerances for M	
L	±0.0010	±0.001	±0.002	±0.250	±0.004		±0.002	
M	±0.003	±0.005	±0.002	±0.375	±0.004		±0.002	
N	±0.003	±0.001	±0.002	±0.500	±0.006		±0.003	
U	±0.005	±0.005	±0.003	±0.625	±0.007		±0.004	
	±0.015		±0.010	±0.750	±0.007		±0.004	
				Insert shape D				
				Inscribed circle diameter	Tolerances for M		Tolerances for M	
				±0.250	±0.006		±0.002	
				±0.375	±0.006		±0.002	
				±0.500	±0.008		±0.003	
				±0.625	±0.011		±0.004	
				±0.750	±0.011		±0.004	

Inscribed circle diameter						
Code(inch)	2	3	4	5	6	8
Inscribed circle diameter(inch)	0.250	0.375	0.500	0.625	0.750	1.000

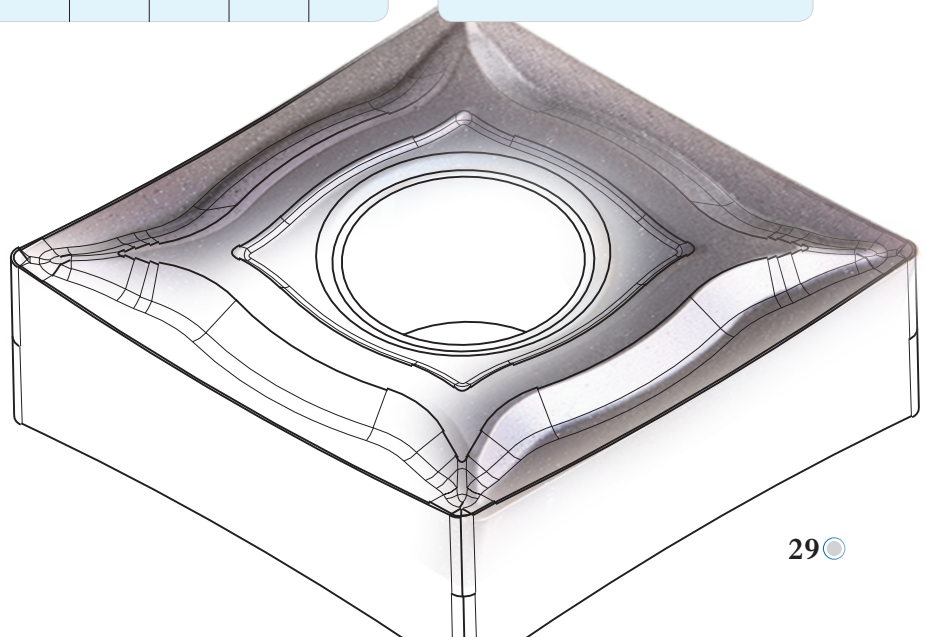
Nose radius								
	Code(inch)	0	1	2	3	4	5	6
	Nose acircle (inch)		0.008	0.016	0.031	0.047	0.063	0.079

4 3 2 - DM

Insert thickness						
	Code(inch)	2	3	4	5	6
	Inscribed radius diameter(inch)		0.125	0.187	0.250	0.313

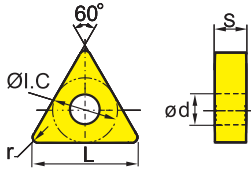
Chip-breakers code

Position 10 indicates the cutting properties & chip-breakers of inserts



TN

(Negative inserts)

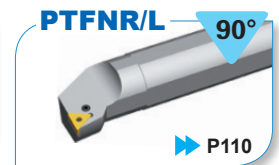
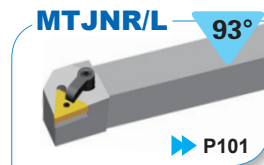
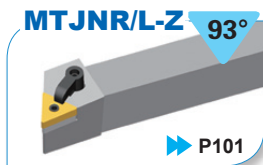
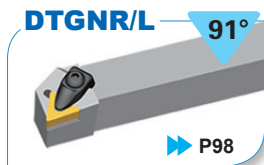


😊 Good working conditions 😊 General working conditions 😞 Adverse working conditions

Workpiece material	Steel	Stainless steel	Cast iron	Ferrite materials	Heat-resistant steel
P	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
M	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
K	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
N	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊
S	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊	😊😊😊😊😊😊😊😊😊😊

Inserts shape	Type	Dimensions (inch)					Coated cemented carbide														Cermet	Coated Cermet	Cemented carbide														
		L	ØI.C	S	ød	r	YBC151	YBC152	YBC251	YBC252	YBC351	YBC352	YBG102	YBG105	YBG202	YBG205	YBG212	YBM215	YBM151	YBM251				YBM253	YBS103	YBD052	YBD102	YBD151	YBD152	YBD252	YNG151	YNG151C	YD101	YD201			
WGM 	TNMX332-WGM	0.650	0.375	0.187	0.150	0.031				●						●																					
	TNMX333-WGM	0.650	0.375	0.187	0.150	0.047				●																											
PM 	TNMG221-PM	0.433	0.250	0.125	0.089	0.016	●	●	○																												
	TNMG222-PM	0.433	0.250	0.125	0.089	0.031	●	○	○																												
	TNMG331-PM	0.650	0.375	0.187	0.150	0.016	●	●	●																												
	TNMG332-PM	0.650	0.375	0.187	0.150	0.031	●	●	●	●																											
	TNMG333-PM	0.650	0.375	0.187	0.150	0.047	●	●	○	○																											
	TNMG432-PM	0.866	0.500	0.187	0.203	0.031	●	●	○	●																											
	TNMG433-PM	0.866	0.500	0.187	0.203	0.047	●	●	●	○	○																										
	TNMG434-PM	0.866	0.500	0.187	0.203	0.063			○	○																											
DM 	TNMG222-DM	0.433	0.250	0.125	0.089	0.031	○		○																												
	TNMG331-DM	0.650	0.375	0.187	0.150	0.016	●	●	●	○																											
	TNMG332-DM	0.650	0.375	0.187	0.150	0.031	●	●	●	●																											
	TNMG333-DM	0.650	0.375	0.187	0.150	0.047	○	○	●	○																											
	TNMG431-DM	0.866	0.500	0.187	0.203	0.016	●	●	●	○																											
	TNMG432-DM	0.866	0.500	0.187	0.203	0.031	●	●	●	●																											
	TNMG433-DM	0.866	0.500	0.187	0.203	0.047	○	○	○	○																											
	TNMG434-DM	0.866	0.500	0.187	0.203	0.063	○	○	○	○																											

● Always stock available ○ Produce according to order



Applicable tool

