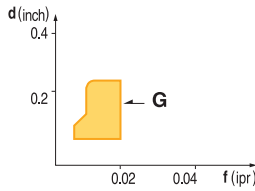


TNMG 60° Negative Turning Inserts

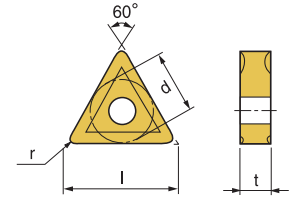
TNMG-G



· Suitable for general cutting condition cutting



- USE General Cutting
- Recommendation
G $d = 0.16 \sim 0.4 \text{ inch}$
 $f = 0.02 \sim 0.04 \text{ ipr}$

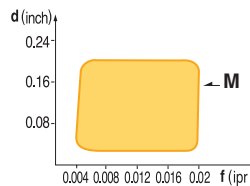


Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders	
		PT10C	PT20C	PT22C	PT25C	PT30C	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	PTM30U	l	d	t	r	Holder	Page No.
TNMG 321-G	160304					146270 \$ 14.23								0.650	3/8	1/8	1/64	Turning MTCNN E51 MTFNR/L E52 MTENN E52 MTGNR/L E53 MTJNR/L E53 Boring MTFNR E65 MTUNR E65 PTFNR/L E69		
TNMG 322-G	160308					146093 \$ 14.23								0.650	3/8	1/8	1/32			
TNMG 431-G	220404					149324 \$ 22.03								0.886	1/2	3/16	1/64			
TNMG 432-G	220408					149283 \$ 22.03								0.886	1/2	3/16	1/32			
TNMG 433-G	220412					146633 \$ 21.40								0.886	1/2	3/16	3/64			
TNMG 438-G	220432					146726 \$ 22.03								0.886	1/2	3/16	1/8			
TNMG 543-G	270612					149275 \$ 35.38								1.083	5/8	1/4	3/64			
TNMG 544-G	270616					148550 \$ 35.38								1.083	5/8	1/4	1/16			

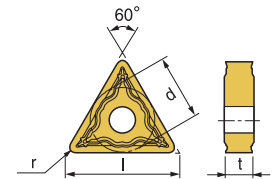
TNMG-M/M1



· Wide available chip control range from medium-finishing to medium-roughing
 · Suitable chip breaker for CNC machining



- USE Medium
- Recommendation
M $d = 0.04 \sim 0.2 \text{ inch}$
 $f = 0.004 \sim 0.02 \text{ ipr}$



Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders	
		PT10C	PT15C	PT20C	PT25C	PT30C	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	PTM30U	l	d	t	r	Holder	Page No.
TNMG 331-M1	160404					149259 \$ 15.47								0.650	3/8	3/16	1/64	Turning MTCNN E51 MTFNR/L E52 MTENN E52 MTGNR/L E53 MTJNR/L E53 Boring MTFNR E65 MTUNR E65 PTFNR/L E69		
TNMG 332-M	160408					147641 \$ 15.47								0.650	3/8	3/16	1/32			
TNMG 431-M	220404					149240 \$ 22.41								0.886	1/2	3/16	1/64			
TNMG 432-M	220408					149228 \$ 22.41	147645 \$ 22.03							0.886	1/2	3/16	1/32			
TNMG 432-M1	220408					149278 \$ 22.03								0.886	1/2	3/16	1/32			
TNMG 433-M	220412					149288 \$ 22.37								0.886	1/2	3/16	3/64			

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