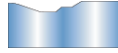
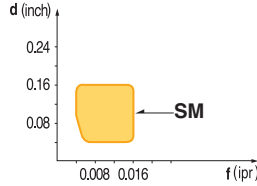


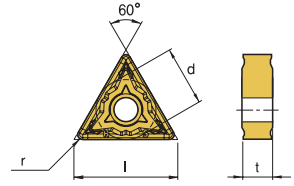
TNMG-SM



- Exclusive design for stainless steel cutting provide longer tool life
- Wear resistance has been reinforced through high rake angle of chip breaker land



- USE Stainless Steel
- Recommendation
SM $d = 0.04 \sim 0.16$ inch
 $f = 0.004 \sim 0.016$ ipr

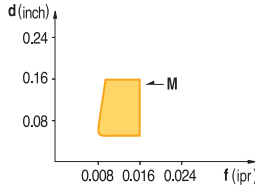
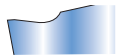


Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders	
		PT10C	PT20C	PT22C	PT30C	MT15C	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	PTM30U	l	d	t	r	Holder	Page No.
TNMG 331-SM	160404							146169 \$ 11.06							0.650	3/8	3/16	1/64	Turning MTCNN E51 MTFNR/L E52 MTENN E53 MTGNR/L E53 MTJNR/L E53	
TNMG 332-SM	160408							147614 \$ 11.35							0.650	3/8	3/16	1/32		
TNMG 432-SM	220408						149271 \$ 16.41	147616 \$ 16.19							0.886	1/2	3/16	1/32	Boring MTFNR E65 MTUNR E65 PTFNR/L E69	

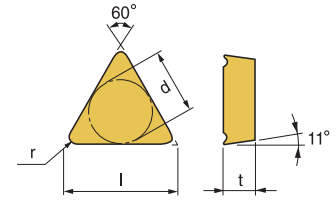
TPMR 60° Positive Turning Inserts



TPMR-F/TPMR-M



- Recommendation
M $d = 0.06 \sim 0.16$ inch
 $f = 0.008 \sim 0.016$ ipr

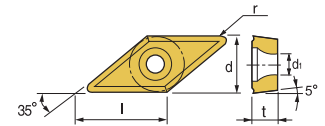
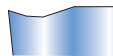


Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders	
		PT10C	PT20C	PT22C	PT25C	PT30C	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	PTM30U	l	d	t	r	Holder	Page No.
TPMR 321-F	160304				149268 \$ 11.55										0.650	3/8	1/8	1/64		
TPMR 322-M	160308				149229 \$ 11.55										0.650	3/8	1/8	1/32		
TPMR 432-M	220408					147957 \$ 21.44									0.886	1/2	3/16	1/32		

V__ T 35° Positive Turning Inserts



VBMT/VBMT-F2P



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.
VBMT 331	160404				149276 \$ 18.29	146846 \$ 17.79									0.650	3/8	3/16	1/64	Boring SVQBR/L E72 SVUBR/L E73	
VBMT 332	160408				149269 \$ 18.29	146849 \$ 17.79									0.650	3/8	3/16	1/32		
VBMT 32.51-F2P	16T304						145633 \$ 13.37								0.650	3/8	5/32	1/64		
VBMT 331-F2P	160404					146171 \$ 17.79									0.650	3/8	3/16	1/64		
VBMT 332-F2P	160408						145622 \$ 17.79			145623 \$ 17.79					0.650	3/8	3/16	1/32		

Quick Choice Grade Selection

P Steel	M Stainless Steel	K Cast Iron - Alum	S Heat Resistant Alloy
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