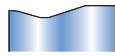
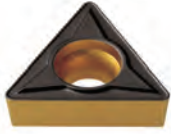
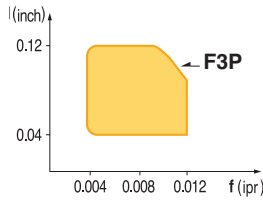


Indexable Cutting Tools

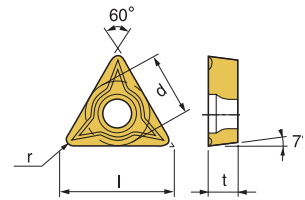
TCMT-F3P



- Suitable for intermittent cutting and cast iron machining
- Good surface finish due to low cutting force
- Suitable for both boring and outer diameter turning



- USE Medium
- Recommendation **F3P** $d = 0.04 \sim 0.12$ inch
 $f = 0.004 \sim 0.012$ ipr

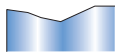
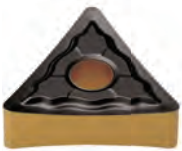


Designation	ISO	Coated Carbide								Cermet		Uncoated Carbide		(inch)				Applicable Holders	
		PT10C	PT15C	PT20C	PT25C	PT30C	MT30P	KT05C	KT10C	PT10S	PT20S	KTM30U	PM20U	l	d	t	r	Holder	Page No.
TCMT 21.51-F3P	110204				149253 \$ 14.36	146503 \$ 14.36								0.433	1/4	3/32	1/64	Turning STFCR/L E58 STGCR/L E59	
TCMT 21.52-F3P	110208					146144 \$ 14.36							0.433	1/4	3/32	1/32	Boring STFCR/L E72 Chamfer CT45° E142		
TCMT 32.51-F3P	16T304				149235 \$ 17.20								0.650	3/8	5/32	1/64			
TCMT 32.52-F3P	16T308		149342 \$ 16.74		149239 \$ 17.20								0.650	3/8	5/32	1/32			

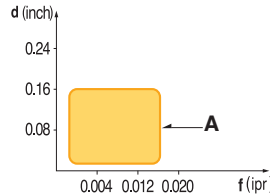
TNMG 60° Negative Turning Inserts



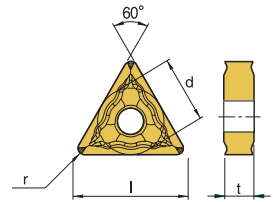
TNMG-A



- Sharp cutting edge generates low cutting force
- Specially designed tough main cutting edge
- Suitable for cutting of low carbon steel, stainless steel, aluminum



- USE Light & Medium
- Recommendation **A** $d = 0.03 \sim 0.16$ inch
 $f = 0.002 \sim 0.016$ ipr



Designation	ISO	Coated Carbide								Cermet		Uncoated Carbide	(inch)				Applicable Holders			
		PT10C	PT20C	PT22C	PT25C	MT15C	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	KTM10U	l	d	t	r	Holder	Page No.
TNMG 331-A	160404					149290 \$ 15.47		147632 \$ 15.07						147633 \$ 12.48	0.650	3/8	3/16	1/64	Turning MTCNN E51 MTFNR/L E52 MTENN E52 MTGNR/L E53 MTJNR/L E53	
TNMG 332-A	160408				149346 \$ 15.47			147635 \$ 15.47						147636 \$ 12.48	0.650	3/8	3/16	1/32		Boring MTFNR E65 MTUNR E65 PTFNR/L E69
TNMG 432-A	220408				149293 \$ 22.03									148375 \$ 17.58	0.866	1/2	3/16	1/32		

Quick Choice Grade Selection

