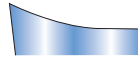
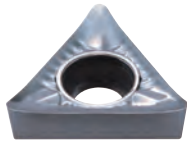
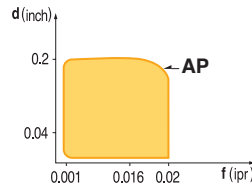


## TC\_T 60° Positive Turning Inserts

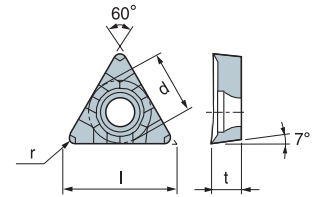
### TCGT-AP (AP Chipbreaker is for Aluminum)



Exclusive chip breaker for aluminum and aluminum alloy

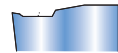


- USE Aluminum Cutting
- Recommendation  
AP  $d = 0.005 \sim 0.2 \text{ inch}$   
 $f = 0.001 \sim 0.02 \text{ ipr}$

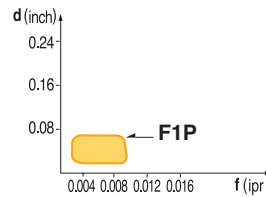


Designation	ISO	Coated Carbide										Diamond Coated	Uncoated Carbide	(inch)				Applicable Holders	
		PT10C	PT20C	PT22C	PT30C	PM10P	MT20C	MT30P	KT05C	KT10C	ST10P			ND100	KT10U	l	d	t	r
TCGT 21.50.5-AP	110202												146504 \$ 21.03	0.433	1/4	3/32	0.008	Turning STFCR/L STGCR/L	E58 E59
TCGT 21.51-AP	110204												146505 \$ 21.03	0.433	1/4	3/32	1/64	Boring STFCR/L	E72
TCGT 21.52-AP	110208												146506 \$ 20.46	0.433	1/4	3/32	1/32	Chamfer CT45°	E142
TCGT 32.51-AP(K)	16T304												146507 \$ 26.64	0.650	3/8	5/32	1/64		
TCGT 32.52-AP(K)	16T308												146508 \$ 26.64	0.650	3/8	5/32	1/32		

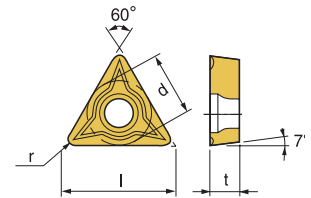
### TCGT-F1P



Excellent chip control at wide range of cutting conditions  
Suitable for stainless steel cutting

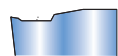
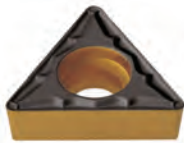


- USE Medium
- Recommendation  
F1P  $d = 0.004 \sim 0.06 \text{ inch}$   
 $f = 0.002 \sim 0.01 \text{ ipr}$

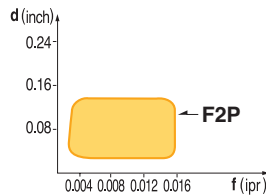


Designation	ISO	Coated Carbide										Cermet	Uncoated Carbide	(inch)				Applicable Holders	
		PT10C	PT20C	PT22C	PM30C	PT30C	MT20C	MT30P	KT05C	KT10C	ST10P			PT10S	PT20S	KT10U	l	d	t
TCGT 1.81.51-F1P	090204												146690 \$ 11.64	0.378	7/32	3/32	1/64	Turning STFCR/L STGCR/L Boring STFCR/L Chamfer CT45°	E58 E59 E72 E142

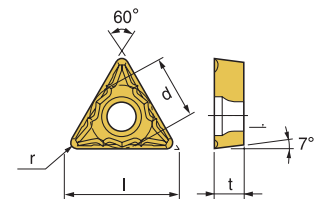
### TCMT-F1P/F2P



Excellent chip control at wide range of cutting conditions  
Suitable for stainless steel cutting



- USE Medium
- Recommendation  
F2P  $d = 0.02 \sim 0.14 \text{ inch}$   
 $f = 0.002 \sim 0.016 \text{ ipr}$



Designation	ISO	Coated Carbide										Cermet	(inch)				Applicable Holders		
		PT10C	PT15C	PT20C	PT25C	PM30C	PT30C	MT15C	MT20C	MT30P	KT10C		PT10S	PT20S	l	d	t	r	Holder
TCMT 32.50.5-F1P	16T302		149517 \$ 17.46											0.650	3/8	5/32	0.008	Turning STFCR/L STGCR/L	E58 E59
TCMT 21.50.5-F2P	110202		149514 \$ 14.36											0.433	1/4	3/32	0.008	Boring STFCR/L	E72
TCMT 21.51-F2P	110204		149515 \$ 14.35		149282 \$ 14.35		146138 \$ 13.90	149331 \$ 14.36		146140 \$ 13.90				0.433	1/4	3/32	1/64	Chamfer CT45°	E142
TCMT 21.52-F2P	110208		149516 \$ 14.35		149286 \$ 14.35	146142 \$ 13.90								0.433	1/4	3/32	1/32		
TCMT 32.51-F2P	16T304		149518 \$ 17.20		149232 \$ 17.20									0.650	3/8	5/32	1/64		
TCMT 32.52-F2P	16T308		149343 \$ 17.20		149362 \$ 17.20	146613 \$ 17.50		149263 \$ 17.20						0.650	3/8	5/32	1/32		