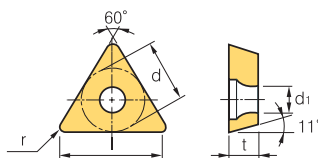


B Turning Insert (Positive)

TP ○○



Triangular **60° Positive**
Relief Angle: 11°



Dimensions (mm)			
Size	d	t	d ₁
08	4.76	2.38	2.3
09	5.56	2.38	3.0
11	6.35	3.18	3.4
16	9.525	3.18~4.76	4.4
22	12.7	4.76	-

Workpiece	Steel	P																			Machining types																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Inserts	Designation	Cermert			Coated		Coated												Uncoated		Cutting Condition									
		CN1500	CN2000	CN2500	CC1500	CC2500	NC3215	NC3120	NC3225	NC3030	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	H01	H05	fn (mm/rev)	ap (mm)				
Medium to finishing		TPGT	080202R																							0.05~0.20	0.30~1.50			
			110302R																								0.05~0.20	0.30~1.50		
			110304R		●																							0.05~0.20	0.50~2.00	
			110308R																									0.07~0.25	0.50~2.00	
			160404R		●																							0.05~0.20	0.70~3.00	
			160408R																									0.05~0.20	0.70~3.00	
			080202L		●																			●	●			0.05~0.20	0.30~1.50	
			110302L																									0.05~0.20	0.30~1.50	
			110304L	●	●																								0.05~0.20	0.50~2.00
			110308L																										0.07~0.25	0.50~2.00
			160404L		●																								0.05~0.20	0.70~3.00
			160408L																										0.05~0.20	0.70~3.00
Medium to finishing		TPGX	090202L																							0.10~0.20	0.30~1.00			
			090204L			●																					0.10~0.25	0.50~1.00		
			090208L																								0.10~0.30	1.00~1.00		
			110304L																								0.10~0.25	0.50~1.20		
Finishing		TPMR	090202-F																							0.05~0.15	0.10~1.00			
			090204-F																								0.05~0.15	0.10~1.00		
			110302-F																								0.05~0.15	0.10~1.50		
			110304-F						●	●	●													●			0.05~0.20	0.30~1.50		
			110308-F																								0.05~0.25	0.30~1.50		
			160304-F						●	●	●	●										●	●				0.08~0.25	0.50~2.00		
			160308-F																								0.08~0.25	0.50~3.00		
Medium cutting		TPMR	110304-M																							0.10~0.25	0.70~3.00			
			110308-M									●		●													0.13~0.30	1.00~3.00		
			160304-M									●		●													0.10~0.25	1.00~5.00		
			160308-M						●	●	●		●														0.13~0.30	1.00~5.00		
			160312-M								●																	0.15~0.35	1.00~5.00	
			220408-M							●																		0.13~0.30	1.50~7.00	

➡ Cutting edge geometry A52~A61

➡ Recommended chip breaker B04~B11

➡ Code system B26~B27

●: Stock item

Available tool holders			
Designation	Page	Designation	Page
STFPR/L	B210	STUPR/L	B215
CTFPR/L	B170	CTGPR/L	B170

