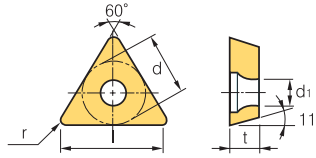


TP ○○



Triangular 60° Positive
Relief Angle: 11°



Dimensions (mm)			
Size	d	t	d ₁
09	5.56	3.18	-
11	6.35	3.18	3.4
16	9.525	3.18~4.76	4.4
22	12.7	4.76	-
33	19.05	6.35	-

Workpiece	Machining types															
	P	M	K	N	S	H										
Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stainless steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cast iron	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Non-ferrous metal	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heat resistant alloy, Titanium alloy	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hardened steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Inserts	Designation	Cermets		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	f _n (mm/rev)	a _p (mm)			
Finishing 	TPMT	110304-VF	●					●	●							●			●								0.05~0.20	0.30~1.50	
		110308-VF						●	●										●									0.10~0.25	0.30~1.50
		160404-VF																										0.05~0.20	0.30~2.00
		160408-VF																										0.10~0.25	0.30~2.00
Finishing 	TPMT	090204-VL																									0.04~0.10	0.10~0.90	
		090208-VL																										0.06~0.12	0.10~1.00
		110304-VL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.15	0.10~1.30	
		110308-VL					●							●	●													0.08~0.20	0.10~1.30
		160404-VL																										0.05~0.20	0.30~1.50
		160408-VL																										0.05~0.20	0.30~1.50
Medium to finishing 	TPMT	090202-MP																									0.03~0.15	0.10~1.00	
		090204-MP																										0.05~0.18	0.10~1.00
		110302-MP																										0.03~0.12	0.20~1.50
		110304-MP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.20	0.20~1.50	
		110308-MP					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.10~0.28	0.30~2.00	
		160402-MP																										0.06~0.20	0.30~2.50
		160404-MP					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.08~0.20	0.30~2.50	
		160408-MP					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.10~0.30	0.50~2.50	
Medium to finishing 	TPUN	090308																									0.10~0.30	0.50~2.00	
		110208																										0.15~0.40	1.00~3.00
		110304																										0.10~0.30	1.00~3.00
		110308																										0.15~0.40	1.00~3.00
		160304								●																	0.10~0.30	1.00~5.00	
		160308								●						●											0.15~0.40	1.00~5.00	
		160308TN																									0.15~0.40	1.00~5.00	
		160312																									0.20~0.50	1.50~5.00	
		160312TN																									0.20~0.50	1.50~5.00	
		220404																									0.10~0.30	1.50~7.00	
		220408									●																0.15~0.40	1.50~7.00	
		220412																									0.20~0.50	1.50~7.00	
		220412TN																									0.20~0.50	1.50~7.00	
		330620																									0.30~0.70	3.00~10.00	

🔄 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

