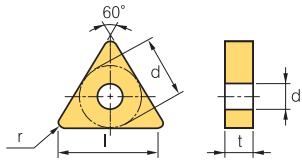


B Turning Insert (Negative)

TN ○○



Dimensions (mm)			
Size	d	t	d ₁
11	6.35	3.18	2.40
16	9.525	3.18-4.76	3.81
22	12.7	4.76	5.16
27	15.875	6.35	6.35

Workpiece	Steel																										 Continuous cutting  General cutting  Interrupted cutting
	Stainless steel																										
	Cast iron																										
	Non-ferrous metal																										
	Heat resistant alloy, Titanium alloy																										
	Hardened steel																										

Inserts		Designation		Cermet		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)
Medium to finishing	 [Cermet]	TNMG 110304-VQ																								0.05~0.30	0.50~3.00
		160404-VQ	●	●	●	●	●																			0.05~0.30	0.80~3.50
		160408-VQ	●		●	●	●																			0.08~0.40	0.80~3.50
		160412-VQ																								0.10~0.40	0.80~3.50
		220404-VQ																								0.05~0.35	0.80~4.00
Medium cutting		TNMG 110308-HM						●																		0.17~0.40	1.50~3.00
		160404-HM						●	●	●							●						●			0.05~0.30	0.90~4.00
		160408-HM						●	●	●	●												●			0.10~0.50	1.00~4.00
		160412-HM							●	●	●												●			0.13~0.60	1.30~4.00
		220404-HM							●	●	●															0.15~0.45	0.60~5.00
		220408-HM								●																0.18~0.48	0.80~5.80
Medium cutting	 new	TNMG 160404-MK										●	●													0.05~0.30	0.90~3.50
		160408-MK											●													0.10~0.50	1.00~4.00
		160412-MK											●													0.12~0.60	1.20~4.50
		160416-MK																								0.13~0.60	1.20~4.50
		220404-MK																								0.17~0.45	1.50~5.00
		220408-MK																								0.21~0.50	1.30~5.50
		220412-MK																								0.23~0.52	1.40~5.50
		220416-MK																								0.25~0.53	1.60~6.00
		270612-MK																								0.25~0.55	3.00~7.00
Medium cutting	 new	TNMG 160404-MM											●	●	●	●				●	●	●				0.10~0.40	0.50~4.80
		160408-MM											●	●	●	●				●	●	●				0.12~0.45	0.50~4.80
		160412-MM												●	●	●						●				0.18~0.65	0.50~4.80
		160416-MM																					●			0.18~0.65	0.50~4.80
		220404-MM																								0.10~0.40	0.50~6.50
		220408-MM														●	●	●					●	●		0.12~0.45	0.50~6.50
		220412-MM													●	●	●					●	●			0.15~0.60	0.50~6.50
		220416-MM																								0.18~0.65	0.50~6.50
Medium cutting	 new	TNMG 110308-MP						●	●																	0.15~0.42	0.50~3.50
		160404-MP						●	●		●	●		●	●	●				●	●					0.10~0.40	0.40~3.50
		160408-MP						●	●		●			●	●	●				●	●					0.15~0.45	0.50~4.00
		160412-MP						●	●		●			●	●	●				●	●					0.15~0.50	0.80~4.50
		160616-MP																								0.18~0.50	1.00~4.50
		220404-MP						●	●		●			●	●	●										0.10~0.35	0.40~5.00
		220408-MP						●	●		●			●	●	●										0.15~0.45	0.50~5.50
		220412-MP						●	●		●			●	●	●										0.15~0.50	0.80~6.00
		220416-MP						●	●		●															0.20~0.55	1.00~6.00
		270612-MP																								0.28~0.60	1.20~8.00

➡ Cutting edge geometry A52~A61

➡ Recommended chip breaker **B04~B11**

➡ Code system **B26~B27**

● : Stock item

Available tool holders					
Designation	Page	Designation	Page	Designation	Page
MTENN	B175	PTFNR/L	B165, 199	WTJNR/L	B167
MTFNR/L	B175	PTGNR/L	B165	WTXNR/L	B167
MTGNR/L	B176	PTTNR/L	B166		
MTJNR/L	B176	WTENN	B167		

