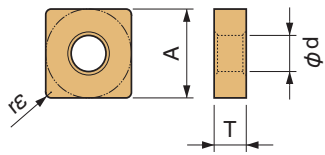


Turning Indexable Inserts

90° Square • Negative with Hole

(mm)



Description	A	T	ød
SN_0903_	9.525	3.18	3.81
SN_1204_	12.70	4.76	5.16
SNMN1204_	12.70	4.76	-

B



Negative

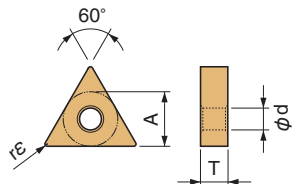


Insert (Turning)

Insert	Description	Dim. (mm)	Cermet		PVD Cermet		PVD Coated Carbide		Ref. Page for Toolholder
			γE	TN30	PV30	PV60	PV90	PR915	
 Finishing-Medium	SNMG 120404HQ	0.4			●	●			
	120408HQ	0.8	●	●	●	●			
	120412HQ	1.2			●	●			
 Medium-Roughing	SNMG 120408HS	0.8			●	●			
	120412HS	1.2			●	●			
 Medium-Roughing / High Feed	SNMG 120408HT	0.8					●		
	120412HT	1.2					●		
 Roughing	SNMG 120404	0.4	●		●	●			
	120408	0.8	●		●	●			
	120412	1.2			●	●			
	120416	1.6				●			
 Low Carbon Steel / Finishing	SNMG 120408XP	0.8			●	●		D12 D13	
 Low Carbon Steel / Medium cutting	SNMG 120408XQ	0.8			●	●			
 Low Carbon Steel / Roughing	SNMG 120408XS	0.8			●	●			
 Without Chipbreaker	SNMA 120404	0.4	●						
	120408	0.8	●						
 Without Hole / without Chipbreaker	SNMN 120408	0.8					●		
	120412	1.2					●		
 -B: Finishing-Medium -C: Medium-Roughing	SNGG 090308 ^{R/L} -B	0.8	R						D13
	SNGG 120404 ^{R/L} -C	0.4	●			●			D12
	120408 ^{R/L} -C	0.8	●			●			D13

60° Triangle • Negative with Hole

(mm)



Description	A	T	ød
TN_1104_	6.35	3.18	2.26
TN_1604_	9.525	4.76	3.81
TN_2204_	12.70	4.76	5.16

Insert	Description	Dim. (mm)	Cermet		PVD Cermet		PVD Coated Carbide		Ref. Page for Toolholder
			γE	TN30	PV30	PV60	PV90	PR915	
 Finishing	TNMG 110404GP	0.4					●		D14
	110408GP	0.8					●		F68
	TNMG 160402GP	0.2					●		D14
 Finishing-Medium	160404GP	0.4	●				●		D15
	160408GP	0.8	●				●		F43
									F68
 Finishing-Medium	TNMG 110404HQ	0.4					●		D14
	110408HQ	0.8					●		F68
	TNMG 160404HQ	0.4	●	●			●		
 Finishing-Medium / Up Facing	160408HQ	0.8	●	●			●		
	160412HQ	1.2	●	●			●		
 Finishing-Medium / Up Facing	TNMG 160404CQ	0.4					●		D14
	160408CQ	0.8					●		D15
	160412CQ	1.2					●		
 Finishing-Medium	TNMP 160404TK	0.4					●	●	F68
	160408TK	0.8					●	●	
 Medium-Roughing	TNMG 160404CS	0.4					●		
	160408CS	0.8					●		
 Medium-Roughing	TNMG 110404GS	0.4					●		D14
	110408GS	0.8					●		F68
	TNMG 160404GS	0.4					●		D14
 Medium-Roughing	160408GS	0.8					●		D15
	160412GS	1.2					●		F43
									F68
 Medium-Roughing	TNMG 160404HS	0.4	●				●		
	160408HS	0.8	●				●		F68
	160412HS	1.2					●		
 Medium-Roughing	TNMG 220408HS	0.8					●		D14
 Medium-Roughing / High Feed	TNMG 160408GT	0.8					●		
	160412GT	1.2					●		
 Medium-Roughing / High Feed	TNMG 160408HT	0.8					●		D14
	160412HT	1.2					●		D15
									F43
 Roughing	TNMG 160404	0.4	●	●			●		F68
	160408	0.8	●	●			●		
	160412	1.2	●				●		

For other grade, See Page B25~B27, B28~B32

Inserts are sold in 10 piece boxes.