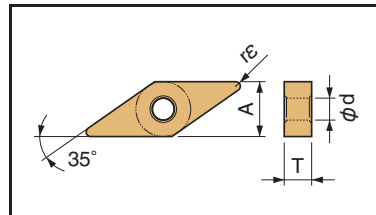


35°Diamond • Negative with Hole

(mm)



Description	A	T	φd
VN_1604_	9.525	4.76	3.81

Insert	Description	Dim. (mm)	Cermet		PVD Cermet		PVD Coated Carbide		Ref. Page for Toolholder
			γE	TN30	PV30	PV60	PV90	PR915	
 Low Carbon Steel / Finishing	TNMG 160404XP 160408XP	0.4			●	●			
		0.8			●	●			
 Low Carbon Steel / Finishing / Tough Edge	TNMG 160404XP-T 160408XP-T	0.4			●	●			
		0.8			●	●			
 Low Carbon Steel / Medium cutting	TNMG 160404XQ 160408XQ	0.4			●	●			D14 D15 F43 F68
		0.8			●	●			
 Low Carbon Steel / Roughing	TNMG 160408XS	0.8			●	●			
 Without Chipbreaker	TNMA 160404 160408	0.4	●	●					
		0.8	●	●					
 Finishing / Surface Roughness Control	TNGG 110402 ^{%L} -S 110404 ^{%L} -S 110408 ^{%L} -S	0.2				●			D14
		0.4				●			
		0.8					●		
 Finishing-Medium	TNGG 160402 ^{%L} -S 160404 ^{%L} -S 160408 ^{%L} -S	0.2	●	●	●	●			D14 D15 F43 F68
		0.4	●	●	●	●			
		0.8	●	●	●	●			
 -B: Finishing-Medium -C: Medium-Roughing	TNGG 110302 ^{%L} -B 110304 ^{%L} -B	0.2	●						D14
		0.4	●						
	TNGG 110402 ^{%L} 110404 ^{%L} 110408 ^{%L}	0.2				●			D14 F68
		0.4				●			
		0.8				●			
	TNGG 160402 ^{%L} -B 160404 ^{%L} -B	0.2	●	●	●				D14 D15 F43 F68
0.4		●	●	●					
TNGG 160404 ^{%L} -C 160408 ^{%L} -C	0.4	●	●	●	●			D14	
	0.8	●	●	●	●				
TNGG 220404 ^{%L} -C 220408 ^{%L} -C	0.4	●						D14	
	0.8	●							
 Medium-Roughing / Low Cutting Resistance	TNMG 160404 ^{%L} -C 160408 ^{%L} -C	0.4	●	●	●				D14 D15 F43 F68
		0.8	●	●	●				

Insert	Description	Dim. (mm)	Cermet		PVD Cermet		PVD Coated Carbide		Ref. Page for Toolholder
			γE	TN30	PV30	PV60	PV90	PR915	
 Finishing	VNMG 160402GP 160404GP 160408GP	0.2				●	●		
		0.4	●			●	●		
		0.8				●	●		
 Finishing-Medium	VNMG 160404HQ 160408HQ 160412HQ	0.4				●	●		
		0.8				●	●		
		1.2				●	●		
 Roughing	VNMG 160404 160408	0.4	●	●	●	●		D16 D17 D18	
		0.8	●	●	●	●			
 Low Carbon Steel Finishing	VNMG 160404XP	0.4					●		
 Medium	VNGG 160402 ^{%L} 160404 ^{%L} 160408 ^{%L}	0.2	●	●	●	●			
		0.4	●	●	●	●			
		0.8	●	●	●	●			

B



Negative



Insert (Turning)



For other grade, See Page **B28~B32, B34**

● : Std. Item ○ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)

kyocera@kyocera-tools.ru
www.kyocera-tools.ru

Inserts are sold in 10 piece boxes.

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