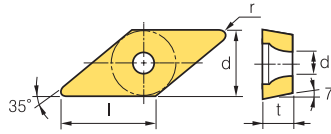


B Turning Insert (Positive)

VC

Rhombic **35° Positive**
Relief Angle: 7°



Dimensions (mm)			
Size	d	t	d ₁
11	6.35	3.18	2.8~3.4
12	7.5	3.18	2.8
16	9.525	4.76	4.4

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

Inserts	Designation	Cermet		Coated		Coated										Uncoated		Cutting Condition										
		CN1500	CN2500	CC1500	CC2500	NC3215	NC3225	NC3120	NC3030	NC3235	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	H01	H05	f _n (mm/rev)	a _p (mm)		
Finishing [High precision]	VCGT	110301-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.01~0.16	0.03~1.40		
		110302-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.18	0.04~1.50	
		110304-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.04~0.19	0.06~1.60	
		160401-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.01~0.16	0.04~1.80
		160402-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.18	0.05~2.00
		160404-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.04~0.19	0.08~2.00
Finishing [Ultra high precision]	VCGT	110301MFN-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.01~0.16	0.03~1.40	
		110302MFN-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.18	0.04~1.50
		110304MFN-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.04~0.19	0.06~1.60
		160401MFN-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.01~0.16	0.04~1.80
		160402MFN-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.18	0.05~2.00
		160404MFN-FS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.04~0.19	0.08~2.00
Medium cutting [High precision]	VCGT	110301-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.23	0.05~2.00	
		110302-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.03~0.25	0.07~2.50	
		110304-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.25	0.09~2.50	
Medium cutting [Ultra high precision]	VCGT	110301MFN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.23	0.05~2.00	
		110302MFN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.03~0.25	0.07~2.50	
		110304MFN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.25	0.09~2.50	
Medium cutting [Ultra high precision]	VCGT	1203008FN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.20	0.04~1.80	
		120301FN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.03~0.26	0.06~2.20	
		120302FN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.28	0.08~2.80	
		120304FN-MS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.06~0.30	0.10~2.80	
Finishing [High precision]	VCGT	110301-VP1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.15	0.05~0.50	
		110302-VP1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.02~0.18	0.10~1.00	
		110304-VP1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.03~0.18	0.15~1.20	
		160404-VP1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.20	0.18~1.80
		160408-VP1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.06~0.20	0.20~1.80

Cutting edge geometry A52~A61
 Recommended chip breaker B04~B14
 Code system B34~B35
 ● : Stock item

Available tool holders			
Designation	Page	Designation	Page
SVJCR/L	B125, 196, 222	SVQCR/L	B223
SVVCN	B196	SVUCR/L	B223

