



Dimensions (mm)			
Size	d	t	d ₁
11	6.35	2.38~3.18	2.8~3.4
16	9.525	4.76	4.4

Rhombic **35° Positive** Relief Angle: 5°

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	Continuous cutting	General cutting	Interrupted cutting	
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)	
Medium to finishing		VBMT 160404						●	●		●															0.07~0.20	0.50~1.50
		160408						●	●			●															0.15~0.25
Medium to finishing		VBGT 160404																								0.07~0.20	0.50~1.50
		160408																								0.15~0.25	0.70~2.00
Finishing		VBMT 160402-VP1																								0.04~0.20	0.16~1.50
		160404-VP1																								0.05~0.20	0.18~1.80
		160408-VP1																								0.06~0.20	0.20~1.80
Finishing		VBGT 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		VBGT 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
Finishing		VBGT 110302-VP1																								0.03~0.10	0.08~1.50
		160402-VP1																								0.04~0.20	0.16~1.50
		160404-VP1																								0.05~0.20	0.18~1.80

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

Available tool holders			
Designation	Page	Designation	Page
SVABR/L	B195	SVVBN	B196
SVHBR/L	B195	SVQBR/L	B222
SVJBR/L	B125, 195	SVUBR/L	B223

