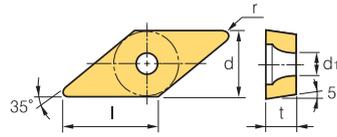




# VB



Dimensions (mm)			
Size	d	t	d <sub>1</sub>
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	Machining types															
	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	CN2000	CN2500	CC1500	CC2500	NC3215	NC3120	NC3225	NC3030	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	H01	H05	f <sub>n</sub> (mm/rev)	a <sub>p</sub> (mm)	
Finishing  [Mild steel]	VBMT 110302-VL																								0.03~0.20	0.20~1.20	
	110304-VL																									0.04~0.20	0.20~1.20
	110308-VL																									0.08~0.20	0.20~1.20
	160402-VL																									0.03~0.20	0.30~1.50
	160404-VL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.05~0.20	0.30~1.50
	160408-VL	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.10~0.20	0.30~1.50
	160412-VL													●	●	●				●	●	●				0.10~0.25	0.30~1.50
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
Medium to finishing 	VBMT 160404		●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		0.07~0.20	0.50~1.50
	160408						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		0.15~0.25	0.70~2.00
Medium to finishing 	VBMT 110304-HMP						●															●			0.03~0.20	0.15~2.70	
	110308-HMP						●																			0.05~0.25	0.40~2.70
	160404-HMP						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		0.07~0.20	0.20~2.70
	160408-HMP						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		0.09~0.27	0.50~2.70
	160412-HMP																									0.11~0.32	0.50~2.70
Medium to finishing 	VBMT 110302-MP																									0.04~0.14	0.20~1.50
	110304-MP						●	●					●	●												0.05~0.15	0.20~1.50
	110308-MP						●	●																		0.10~0.28	0.30~2.00
	160402-MP																									0.06~0.16	0.25~2.00
	160404-MP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.08~0.20	0.30~2.00
	160408-MP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.10~0.25	0.50~2.30
	160412-MP	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0.10~0.35	0.50~2.30

Cutting edge geometry **A52~A61**  
 Recommended chip breaker **B04~B11**  
 Code system **B26~B27**  
 ● : Stock item

Available tool holders			
Designation	Page	Designation	Page
SVABR/L	B183	SVVBN	B184
SVHBR/L	B183	SVQBR/L	B211
SVJBR/L	B115, 183	SVUBR/L	B212

