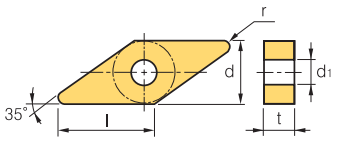
VN○○



Dimensions (mm)			
Size	d	t	d1
16	9.525	4.76	3.81

Rhombic 35° Negative

Workpiece			CN1500	CN2000	CN2500	CC1500	CC2500	NC3215	NC3120	NC3225	NC3030	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	H01	H05
Steel	P		●	⬌	✱	●	⬌	●	⬌	⬌	✱	✱	●	●	⬌		✱								
Stainless steel	M										⬌	⬌			●	⬌	✱	⬌	✱		●	⬌	⬌		
Cast iron	K		●	⬌	✱	●	⬌	⬌				⬌	⬌	⬌										●	⬌
Non-ferrous metal	N																							●	⬌
Heat resistant alloy, Titanium alloy	S											●				●	●	⬌	✱	●	●	⬌		●	⬌
Hardened steel	H																				⬌	✱		●	⬌

Machining types
- ● Continuous cutting
- ⬌ General cutting
- ✱ Interrupted cutting

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	fn (mm/rev)	ap (mm)
Medium to finishing	HA	VNGG	160408-HA																			●					0.10~0.40	0.80~3.50
Medium cutting	VP3	VNGG	160404-VP3																		●	●	●		●		0.05~0.30	0.10~3.00
			160408-VP3																								0.10~0.45	0.50~5.00
Finishing	VB	VNMG	160404-VB	●		●	●	●	●		●		●														0.10~0.35	0.30~1.50
			160408-VB	●		●	●	●	●		●		●														0.15~0.45	0.50~2.00
			160412-VB						●		●																0.20~0.45	0.80~2.50
Finishing	VF	VNMG	160402-VF		●					●																	0.06~0.20	0.30~1.00
			160404-VF	●	●					●			●									●					0.08~0.30	0.50~1.50
			160408-VF	●						●	●		●														0.10~0.40	0.50~1.50
			160412-VF																								0.15~0.50	0.50~1.50
Finishing	VL [Mild steel]	VNMG	160404-VL	●		●			●		●		●														0.05~0.20	0.10~1.00
			160408-VL	●		●			●		●		●														0.10~0.25	0.20~1.50
			160412-VL						●																		0.15~0.30	0.50~2.00
Medium to finishing	HA	VNMG	160404-HA																						●		0.08~0.35	0.50~3.00
			160408-HA																								0.10~0.40	0.80~3.50
Medium to finishing	LP new	VNMG	160404-LP						●		●																0.10~0.35	0.30~1.50
			160408-LP						●		●																0.10~0.40	0.50~2.00
			160412-LP						●		●																0.10~0.45	0.80~2.50
Medium to finishing	VC	VNMG	160404-VC	●			●		●		●																0.10~0.35	0.30~2.00
			160408-VC	●					●		●																0.15~4.00	0.50~3.00
			160412-VC						●		●																0.15~0.40	0.80~3.00

Cutting edge geometry A52~A61 Recommended chip breaker B04~B11 Code system B26~B27

● : Stock item

Available tool holders			
Designation	Page	Designation	Page
MVJNR/L	B176	MVVNN	B177
MVQNR/L	B177	MVUNR/L	B203