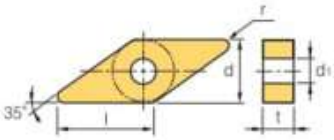
VN○○



Dimensions (mm)			
Size	d	t	d1
16	9.525	4.76	3.81
22	12.7	4.76	5.16

Rhombic 35° Negative

Workpiece																									
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 CN1500	CN2000	CN2500	Coated CC1500	CC2500	Coated NC3215	NC3120	NC3225	NC3030	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	Uncoated H01	H05	Cutting Condition fn (mm/rev)	ap (mm)
Medium to finishing — VQ [Cermet]	VNMG	160404-VQ	●	●	●	●	●																			0.10~0.40	0.50~3.50
		160408-VQ	●		●	●	●																			0.12~0.45	0.50~3.50
		160412-VQ																								0.15~0.45	0.80~3.50
Medium cutting — HM	VNMG	160404-HM							●		●												●			0.13~0.40	0.80~3.80
		160408-HM							●		●												●			0.20~0.45	0.80~4.50
		160412-HM								●																0.10~0.60	1.00~4.00
Medium cutting — MK new	VNMG	160404-MK												●												0.08~0.45	0.50~3.00
		160408-MK											●	●												0.10~0.50	1.00~3.50
		160412-MK												●												0.20~0.50	1.50~4.00
Medium cutting — MM new	VNMG	160404-MM														●	●	●				●	●			0.10~0.40	0.50~4.80
		160408-MM														●	●	●				●	●			0.12~0.45	0.50~4.80
		160412-MM																								0.15~0.60	0.50~4.00
Medium cutting — MP new	VNMG	160404-MP						●		●		●			●	●	●			●	●					0.10~0.40	0.40~3.50
		160408-MP						●		●		●	●		●	●	●			●	●					0.15~0.45	0.50~4.00
		160412-MP						●		●		●														0.15~0.50	0.80~4.50
		160616-MP																								0.18~0.50	1.00~4.50
Medium cutting — RM new	VNMG	160404-RM																								0.10~0.50	2.00~5.00
		160408-RM																								0.15~0.55	2.00~5.00
		160412-RM																								0.20~0.60	2.00~5.00
Medium cutting — VM	VNMG	160404-VM	●								●	●						●	●							0.08~0.45	0.50~3.50
		160408-VM	●						●	●	●	●						●	●		●		●			0.10~0.50	1.00~4.00
		160412-VM																								0.20~0.50	1.50~4.00
		220404-VM																								0.08~0.45	1.00~5.00
		220408-VM																								0.10~0.50	1.50~5.00
Medium cutting — VP3	VNMG	160404-VP3																●	●	●	●	●			●	0.05~0.30	0.10~3.00
		160408-VP3																●	●	●	●	●		●	●	0.10~0.45	0.50~5.00
		160412-VP3																								0.20~0.40	0.50~3.50

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