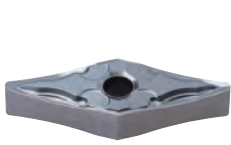
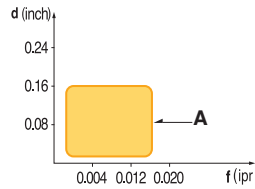


VNMG 35° Negative Turning Inserts

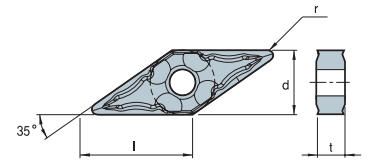
VNMG-A



- Sharp cutting edge generates low cutting force
- Specially designed tough main cutting edge
- Suitable for cutting of low carbon steel, stainless steel, aluminum

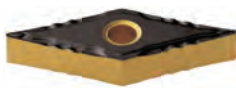


- USE Light & Medium
- Recommendation **A** $d = 0.03\sim 0.16\text{inch}$
 $f = 0.002\sim 0.016\text{ipr}$

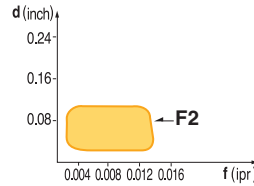


Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders				
		PT10C	PT20C	PT22C	PT30C	PM10P	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	KTM10U	l	d	t	r	Holder	Page No.			
VNMG 331-A	160404													148385 \$ 21.93			145546 \$ 17.96	0.654	3/8	3/16	1/64	Turning MVJNR/L	E54
VNMG 332-A	160408													148386 \$ 21.93			145547 \$ 17.96	0.654	3/8	3/16	1/32		

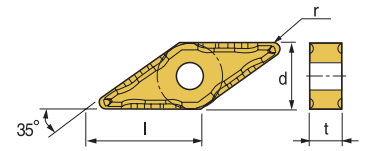
VNMG-F2



- Excellent chip control at varied depth of cutting
- Strong cutting edge toughness due to special design



- USE Finishing
- Recommendation **F2** $d = 0.012\sim 0.1\text{inch}$
 $f = 0.002\sim 0.014\text{ipr}$

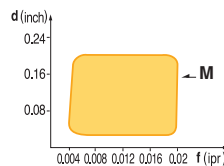


Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders				
		PT10C	PT20C	PT22C	PT25C	PM10P	MT20C	MT30P	KT05C	KT10C	ST10P	PT10S	PT20S	PTM30U	l	d	t	r	Holder	Page No.			
VNMG 330.5-F2	160402				149270 \$ 22.57									147660 \$ 17.76				0.654	3/8	3/16	0.008	Turning MVJNR/L	E54
VNMG 331-F2	160404				149321 \$ 22.56									147661 \$ 17.50				0.654	3/8	3/16	1/64		
VNMG 332-F2	160408													147662 \$ 17.76				0.654	3/8	3/16	1/32		

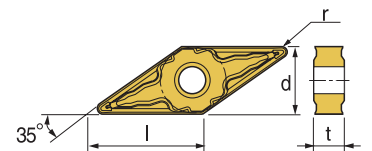
VNMG-M/M1



- Wide available chip control range from medium-finishing to medium-roughing
- Suitable chip breaker for CNC machining



- USE Medium
- Recommendation **M** $d = 0.04\sim 0.2\text{inch}$
 $f = 0.004\sim 0.02\text{ipr}$



Designation	ISO	Coated Carbide										Cermet		Uncoated Carbide	(inch)				Applicable Holders				
		PT10C	PT20C	PT25C	PT30C	MT15C	MT20C	KT05C	KT10C	ST10P	PT10S	PT20S	KT10U	l	d	t	r	Holder	Page No.				
VNMG 331-M	160404			149284 \$ 22.92														0.653	3/8	3/16	1/64	Turning MVJNR/L	E54
VNMG 332-M	160408			149265 \$ 22.56		149339 \$ 22.28												0.653	3/8	3/16	1/32		
VNMG 333-M	160412				148866 \$ 22.28													0.653	3/8	3/16	3/64		
VNMG 333-M1	160412			149274 \$ 22.57														0.653	3/8	3/16	3/64		