

# 35° DIAMOND TYPE NEGATIVE INSERT

Indexable Inserts for Turning

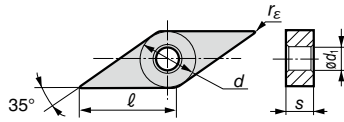
Indexable Inserts

## VN

35° Diamond Type

Negative

With Insert Hole



Information in "Shape" column

Name of Chipbreaker: **FL**

Rake angle of chipbreaker: **10°**

(Legend) Continuous Cut ● : 1st Choice ○ : 2nd Choice Medium Cut ● : 1st Choice ○ : 2nd Choice Interrupted Cut ★ : 1st Choice ☆ : 2nd Choice

## VN 1604

•  $l$  : 16.6

•  $\phi d$  : 9.525

•  $s$  : 4.76

•  $\phi d_1$  : 3.81

SUMICORON CBN Inserts From L3 SUMIDIA (PCD) Inserts M20 Ceramic Inserts B126

Applicable External Holders C26

Recommended Application	P steel	M stainless steel	K cast iron	N non-ferrous metal	S exotic alloy	H hardened steel
Continuous Cut	●	○	●	○	○	○
Medium Cut	○	○	○	○	○	○
Interrupted Cut	○	○	○	○	○	○

	Coat										Coated Cermet		Cermets		Carbide																
	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	ACZ150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1

Shape	Cat. No.	$r_e$	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	ACZ150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1		
Fine Finishing	<b>FA</b>  120°	VNMG 160404N-FA 160408N-FA	0.4 0.8																		●	●	●	●	●										
	<b>FL</b>  10°	VNMG 160404N-FL 160408N-FL 160412N-FL	0.4 0.8 1.2	●		▲		●													●	●	●	●	●										
	<b>LU</b>  10°	VNMG 160402N-LU 160404N-LU 160408N-LU 160412N-LU	0.2 0.4 0.8 1.2	●	●		▲	●													●	●	●	●	●										
Finishing	<b>SP</b>  13°	VNMG 160404N-SP 160408N-SP	0.4 0.8																							▲	▲								
	<b>SU</b>  13°	VNMG 160402N-SU 160404N-SU 160408N-SU	0.2 0.4 0.8	●	●	●	▲	●	●	●											●	●	●	●	●	▲	▲	▲							
	<b>SU</b>  13°	VNGG 160402N-SU 160404N-SU 160408N-SU	0.2 0.4 0.8																		●	●	●	●	●										
	<b>SE</b>  5°	VNMG 160404N-SE 160408N-SE	0.4 0.8	●	●	●															●	●		●	●										
	<b>EF</b>  20°	VNMG 160402N-EF 160404N-EF 160408N-EF	0.2 0.4 0.8						●	●	●											●	●	●									●	●	
	<b>EF</b>  20°	VNGG 160402N-EF 160404N-EF	0.2 0.4						●													●	●										●	●	
	<b>SX</b>  3°	VNMG 160404N-SX 160408N-SX 160412N-SX	0.4 0.8 1.2	●	●	●	▲															●		●											
Light-Medium Cut	<b>EX</b>  16°	VNMG 160404N-EX 160408N-EX	0.4 0.8				●	●	●	●											●	●	●												
	<b>UP</b>  10°	VNMG 160404N-UP 160408N-UP	0.4 0.8	●	●	▲		●	●	●																					●				

B

Negative Inserts

C

D

R

S

T

V

W

Solid CBN Ceramic