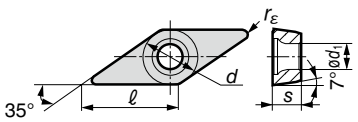
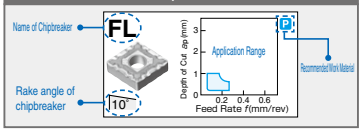
VC 35° Diamond Type 7° Relief With Insert Hole



Information in "Shape" column



(Legend) Continuous Cut ● : 1st Choice ○ : 2nd Choice | Medium Cut ◐ : 1st Choice ◔ : 2nd Choice | Interrupted Cut ✖ : 1st Choice ✪ : 2nd Choice

VC■■1103●●

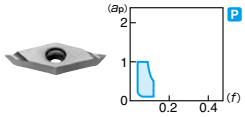
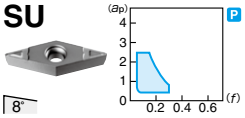
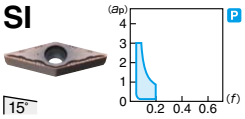
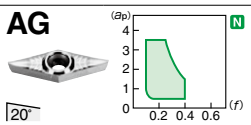
- ℓ : 11.1
- s : 3.18
- ød : 6.35
- ød1 : 2.8

SUMIBORON (CBN) Inserts L90 | SUMIDIA (PCD) Inserts M20

Applicable External Holders C30, D15, 18, 31 | Applicable Internal Holders E57 to E60

Recommended Application

		AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	AC Z150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1
P	steel	●	◐	✖			◔									✪	✪		◐	✖		●	◐									
M	stainless steel			✪		●	◔	◐	✖						◔	✪	✪															
K	cast iron	✪								●	◐	✖			✪							●										
N	non-ferrous metal																															◐
S	exotic alloy														◐	✖																
H	hardened steel													●																		

	Shape	Cat. No.	rε	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	AC Z150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1
Finishing	FY 	VCET 1103008R-FY	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		1103008L-FY	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		110301R-FY	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		110301L-FY	0.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		1103018R-FY	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		1103018L-FY	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Light Cutting	SU 	VCMT 110302N-SU	0.2						●	●						—					—	—	—	—	—	—	—							—
		110304N-SU	0.4						●	●						—					—	—	—	—	—	—	—							—
		110308N-SU	0.8						●	●						—					—	—	—	—	—	—	—							—
Light Cutting	SI 	VCGT 110301MN-SI	<0.1					●	●							—	●	●	●		●			●	●									
		110302MN-SI	<0.2					●	●							—	●	●	●		●			●	●									
		110304MN-SI	<0.4					●	●							—	●	●	●		●			●	●									
		110308MN-SI	<0.8					●	●							—	●	●	●		●			●	●									
for Aluminium	AG 	VCGT 110302N-AG	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●
		110304N-AG	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●

Nose radii (rε) indicated with "<" have negative tolerances.

VC■■1604●●

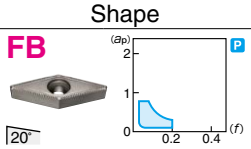
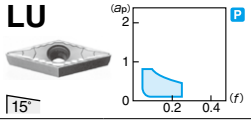
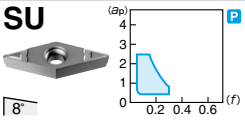
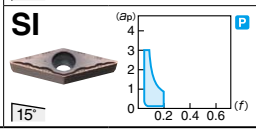
- ℓ : 16.6
- s : 4.76
- ød : 9.525
- ød1 : 4.4

SUMIBORON (CBN) Inserts L91 | SUMIDIA (PCD) Inserts M20

Applicable Internal Holders E55, 56

Recommended Application

		AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	AC Z150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1
P	steel	●	◐	✖			◔									✪	✪		◐	✖		●	◐									
M	stainless steel			✪		●	◔	◐	✖						◔	✪	✪															
K	cast iron	✪								●	◐	✖			✪							●										
N	non-ferrous metal																															◐
S	exotic alloy														◐	✖																
H	hardened steel													●																		

	Shape	Cat. No.	rε	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	AC Z150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1
Finishing	FB 	VCMT 160404N-FB New	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●		●	●		●	●			—	—	—	—	—	—	—
		160408N-FB New	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●		●	●		●	●			—	—	—	—	—	—	—
Finishing	LU 	VCMT 160404N-LU	0.4	●	●		▲		●	●						—					●	●		●	●		▲							
		160408N-LU	0.8	●	●		▲		●	●						—					●	●		●	●		▲							
Light Cutting	SU 	VCMT 160404N-SU	0.4	●	●	●	▲	●	●	●						—		●	●		—	—	—	—	—	—	—							—
		160408N-SU	0.8	●	●	●	▲	●	●	●						—		●	●		—	—	—	—	—	—	—							—
Light Cutting	SI 	VCGT 160401MN-SI	<0.1					●	●	—	—					—	●	●	●		●			●	●									
		160402MN-SI	<0.2					●	●	—	—					—	●	●	●		●			●	●									
		160404MN-SI	<0.4					●	●	—	—					—	●	●	●		●			●	●									

Nose radii (rε) indicated with "<" have negative tolerances.

▲mark : To be replaced by new item