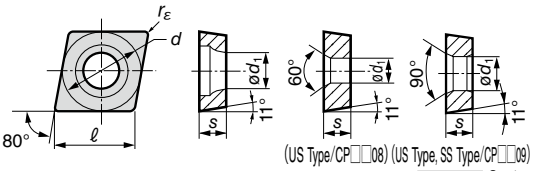
80° DIAMOND TYPE POSITIVE INSERT

Indexable Inserts for Turning

CP 80° Diamond Type 11° Relief With Insert Hole



Grade Selection >>> A2
Chipbreaker Selection >>> From B8
Grade Selection By Work Material >>> From A8

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

CP■■0803●●

- ℓ : 8.0
- s : 3.18
- ød : 7.94
- ød1 : 3.4

Recommended Application	Coat															Coated Cermet			Cermet				Carbide							
	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.	r_ε	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
Light Cutting	US	CPMT 080308N-US	0.8						●							—	—	—	—		—	—	—	—	—	—	—			●	●			—

CP■■0903●●

- ℓ : 9.7
- s : 3.18
- ød : 9.525
- ød1 : 4.4*

SUMIBORON (CBN) Inserts ☞L43 | SUMIDIA (PCD) Inserts ☞M9
Applicable Internal Holders ☞E42, 43

* 4.8 for SS

Recommended Application	Coat															Coated Cermet			Cermet				Carbide							
	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.	r_ε	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	CPMT 090304N-FB NEW	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●		●	●		●	●			—	—	—	—	—	—
		090308N-FB NEW	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●		●	●		●	●			—	—	—	—	—	—
	LU	CPMT 090304N-LU	0.4	●	●		▲		●	●						—					●	●		●	●		▲						
		090308N-LU	0.8	●	●		▲		●	●						—					●	●		●	●		▲						
	LUW	CPMT 090304N-LUW	0.4	●	●		▲		●							—					●	●			●								
	→B18 Wiper	090308N-LUW	0.8	●	●		▲		●							—					●	●			●								
Finishing-Light Cutting	SD	CPGT 090302N-SD	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	●							●	●	▲	▲							
		090304N-SD	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	●				●	●	▲	●	●	▲	▲			●				
		090308N-SD	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	●				●			●	●	▲	▲							
Light Cutting	LB	CPMT 090304N-LB NEW	0.4		●	●			●	●						—					●	●			●								
		090308N-LB NEW	0.8		●	●			●	●						—					●	●			●								
	SU	CPMT 090304N-SU	0.4	●	●	●	▲	●	●	●						—					●	●	▲	●	●		▲						
		090308N-SU	0.8	●	●	●	▲	●	●	●						—					●	●	▲	●	●		▲						
	SS	CPMH 090308N-SS	0.8						●							—					—	—	—	—	—	—	—			●				—
	US	CPMH 090304N-US	0.4													—					—	—	—	—	—	—	—							
		090308N-US	0.8						●							—					—	—	—	—	—	—	—			●				—

▲mark : To be replaced by new item