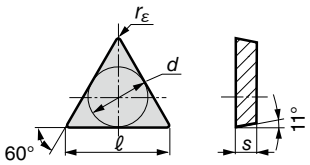
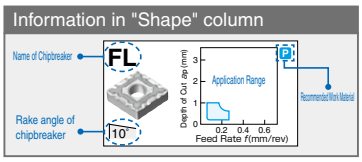
TP Triangular Type 11° Relief Without Insert Hole





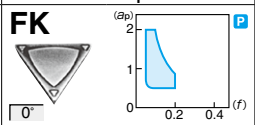
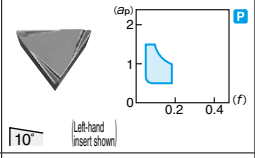
(Legend) Continuous Cut ● : 1st Choice ○ : 2nd Choice | Medium Cut ◐ : 1st Choice ◔ : 2nd Choice | Interrupted Cut ✖ : 1st Choice ✪ : 2nd Choice

TP■■0902●●

- ℓ : 9.6
- s : 2.38
- ød : 5.56

SUMIBORON (CBN) Inserts ☞ L79 SUMIDIA (PCD) Inserts ☞ M18

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													●																		

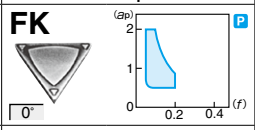
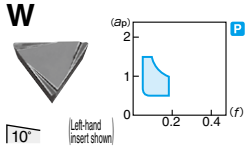
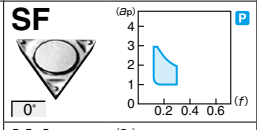
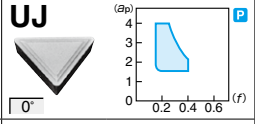
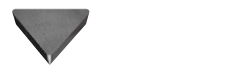
	Shape	Cat. No.	rε	AC810P	AC820P	AC830P	AC2000	AC610M	AC630M	AC6030M	AC6040M	AC405K	AC415K	AC420K	AC410K	AC503U	AC510U	AC520U	AC530U	AC Z150	T1500Z	T3000Z	T2000Z	T1000A	T1500A	T110A	T1200A	ST10P	ST20E	A30	G10E	EH510	EH520	H1
Finishing	FK 	TPMR 090204N-FK	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	▲	—	—	—	—	—	—	—
Finishing-Light Cutting	W 	TPGR 090202R-W	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—
		090202L-W	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—
		090204R-W	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—
		090204L-W	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	▲	●	—	—	—	—	—	—
		090208R-W	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—
		090208L-W	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	▲	—	—	—	—	—	—	—
Light Cutting		TPGN 090202	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	—
		090204	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	●
		090208	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—	●

TP■■1103●●

- ℓ : 11.0
- s : 3.18
- ød : 6.35

SUMIBORON (CBN) Inserts ☞ From L79 SUMIDIA (PCD) Inserts ☞ M18 Ceramic Inserts ☞ B127
Applicable Internal Holders ☞ E31

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	FK 	TPMR 110302N-FK	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				●	●		▲	—	—	—	—	—	—	—
		110304N-FK	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	●	▲	●	●	▲	▲	—	—	—	—	—	—	—
		110308N-FK	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●		▲	●	●	▲	▲	—	—	—	—	—	—	—
Finishing-Light Cutting	W 	TPGR 110302R-W	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●			●	●			—	—	—	—	—	—	—
		110302L-W	0.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●			●	●			—	—	—	—	—	—	—
		110304R-W	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●			●	●		▲							
		110304L-W	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●			●	●	▲	▲	●						
		110308L-W	0.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●			●	●		▲							
Light-Medium Cut	SF 	TPMR 110304N-SF	0.4		●	●	▲									—					—	—	—	—	—	—	—	●						—
		110308N-SF	0.8		●	●	▲									—					—	—	—	—	—	—	—							—
Light-Medium Cut	UJ 	TPMR 110304N-UJ	0.4		●	●	▲									—					—	—	—	—	—	—	—							—
		110308N-UJ	0.8		●	●	▲									—					—	—	—	—	—	—	—							—
Medium Cut		TPMN 110304	0.4									●	●	●	▲	—	●													●	●			
		110308	0.8									●	●	●	▲	—	●													●	●			

▲mark : To be replaced by new item