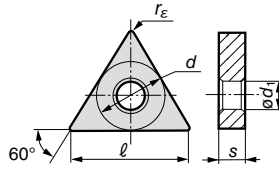


TRIANGULAR TYPE NEGATIVE INSERT

Indexable Inserts for Turning

Indexable Inserts

TN Triangular 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

TN 1604

- l : 16.5 • s : 4.76
- ϕd : 9.525 • ϕd_1 : 3.81

Recommended Application	P steel	M stainless steel	K cast iron	N non-ferrous metal	S exotic alloy	H hardened steel
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	●	○	○	○	○	○
EH620	●	○	○	○	○	○
H1	●	○	○	○	○	○

SUMICORON (CBN) Inserts **SumiC** SUMIDIA (PCD) Inserts **MH4** Ceramic Inserts **B126**

Applicable External Holders **C19 to 25, D15, 18** Applicable Internal Holders **E33 to E35**

Shape	Cat. No.	r_ϵ	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	EH620	H1		
GU 7°	TNMG 160404N-GU	0.4	●	●	●	●	●	●	●	●																									
	TNMG 160408N-GU	0.8	●	●	●	●	●	●	●	●																									
	TNMG 160412N-GU	1.2	●	●	●	●	●	●	●	●																									
	TNMG 160416N-GU	1.6	●	●	●	●	●	●	●	●																									
GE 3°	TNMG 160404N-GE	0.4	●	●	●																														
	TNMG 160408N-GE	0.8	●	●	●																														
	TNMG 160412N-GE	1.2	●	●	●																														
UX 0°	TNMG 160404N-UX	0.4	●	●	●	▲							▲													▲									
	TNMG 160408N-UX	0.8	●	●	●	▲							▲													▲									
	TNMG 160412N-UX	1.2	●	●	●	▲							▲													▲									
UG 4°	TNMG 160404N-UG	0.4		●	●	▲																				▲	●								
	TNMG 160408N-UG	0.8		●	●	▲																				▲	●								
	TNMG 160412N-UG	1.2		●	●	▲																				▲	●								
	TNMG 160416N-UG	1.6		●	●	▲																				▲	●								
EG 0°	TNMG 160404N-EG	0.4						●	●																							●	●		
	TNMG 160408N-EG	0.8						●	●																							●	●		
	TNMG 160412N-EG	1.2						●	●																							●	●		
UM 14°	TNMG 160404R-UM	0.4																			●	●	▲	●	▲	▲									
	TNMG 160404L-UM	0.4																			●	●	▲	●	▲	▲									
	TNMG 160408R-UM	0.8																			●	●	▲	●	▲	▲									
	TNMG 160408L-UM	0.8																			●	●	▲	●	▲	▲									
UM 14°	TNMG 160412R-UM	1.2																			●	●	▲	●	▲	▲									
	TNMG 160412L-UM	1.2																			●	●	▲	●	▲	▲									
	TNMG 160416R-UM	1.6																				●	●	▲	●	▲	▲								
	TNMG 160416L-UM	1.6																				●	●	▲	●	▲	▲								
	TNMA 160404	0.4									●	●	▲			●																●	●		
	TNMA 160408	0.8									●	●	▲			●															●	●			
	TNMA 160412	1.2									●	●	▲			●															●	●			
	TNMA 160416	1.6									●	●	▲			●															●	●			
TNMA 160420	2.0									●	●	▲			●															●	●				
TNGA 14°	TNGA 160402	0.2													●																				
	TNGA 160404	0.4													●	●								●											
	TNGA 160408	0.8													●	●								●											
	TNGA 160412	1.2													●	●								●											
	TNGA 160416	1.6													●	●								●											

B Negative Inserts

C

D

R

S

T

V

W

Solid CBN Ceramic