

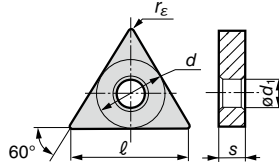
TRIANGULAR TYPE NEGATIVE INSERT

Indexable Inserts for Turning

Indexable Inserts

TN

Triangular Type
Negative
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

TN 0902

- l : 9.6 • s : 2.38
- ϕd : 5.56 • ϕd_1 : 2.57

Recommended Application	Coat												Coated Cermet		Cermet		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			
P steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M stainless steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K cast iron	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N non-ferrous metal	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S exotic alloy	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H hardened steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

TN 0902

Light Cutting

Cat. No. **TNGG 090204R-GX**
090204L-GX
090208R-GX
090208L-GX

r_E 0.4
0.4
0.8
0.8

TN 1103

- l : 11.0 • s : 3.18
- ϕd : 6.35 • ϕd_1 : 2.26

Recommended Application	Coat												Coated Cermet		Cermet		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			
P steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M stainless steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K cast iron	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N non-ferrous metal	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S exotic alloy	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
H hardened steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Applicable External Holders C22 to C24

TN 1103

Finishing

Cat. No. **TNGG 110302R-FT**
110302L-FT
110304R-FT
110304L-FT
110308R-FT
110308L-FT

r_E 0.2
0.2
0.4
0.4
0.8
0.8

Light Cutting

Cat. No. **TNGG 110302R-GX**
110302L-GX
110304R-GX
110304L-GX
110308R-GX
110308L-GX

r_E 0.2
0.2
0.4
0.4
0.8
0.8

Medium Cut

Cat. No. **TNMA 110304**
110308

r_E 0.4
0.8

Cat. No. **TNGA 110302**
110304
110308

r_E 0.2
0.4
0.8

Negative Inserts

C D

R

S

T

V

W

Solid CBN
Ceramic