

I.S.O. Identification for Turning and Boring Inserts

- A 85° parallelogram
- B 82° parallelogram
- C 80° diamond
- D 55° diamond
- H hexagon
- K 55° parallelogram
- L 90° rectangle
- M 86° diamond
- O octagon
- P pentagon
- R round
- S square
- T triangle
- V 35° diamond
- W 80° Trigon

Shape

T

	Dimensions		
	m	s	d
A	0.005	0.025	0.025
B	0.005	0.025	0.013
C	0.013	0.025	0.025
D	0.013	0.025	0.013
E	0.025	0.025	0.025
G	0.025	0.130	0.025
J	0.005	0.025	0.050-0.130
K	0.013	0.025	0.050-0.130
L	0.025	0.025	0.050-0.130
M	0.080-0.180	0.130	0.050-0.130
U	0.130-0.380	0.130	0.080-0.250

Tolerance Class (\pm mm)

M

N

- A 3°
- B 5°
- C 7°
- D 15°
- E 20°
- F 25°
- G 30°
- N 0°
- P 11°

Clearances

G

Type

Comparison cutting edge length in mm – IC in inches

△	06	09	11	16	22	27	33	44
□				09	12	15	19	25
55°					15	19		
80°					12	16	19	25
35°				16	22			
IC = d	5/32"	7/32"	1/4"	3/8"	1/2"	5/8"	3/4"	1"

Integers to be preceded by a 0.
Example: 9,52 mm indicated by 09.

Cutting Edge Length

Cutting Edge

22

04

01	s= 1,59
T1	s= 1,98
02	s= 2,38
03	s= 3,18
T3	s= 3,97
04	s= 4,76
05	s= 5,56
06	s= 6,35
07	s= 7,94
09	s= 9,52
10	s= 10,00
12	s= 12,00

Thickness

08

E

Radius in terms of 0.1 mm

00	Round insert sharp point
00	
02	0.2
04	0.4
05	0.5
08	0.8
10	1.0
12	1.2
15	1.5
16	1.6
24	2.4
32	3.2
40	4.0

Cutting Point Configuration