

Insert Nomenclature - ANSI

Shape

A =	M =
B =	O =
C =	P =
D =	R =
E =	S =
H =	T =
K =	V =
L =	W =

Clearance

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

I.C.

Number of 1/16's on inserts less than 1/4" I.C.

Number of 1/8's on inserts 1/4" I.C. and over

Rectangle and parallelogram inserts require two digits:
 -1st, Number of 1/8's in width
 -2nd, Number of 1/4's in length

2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
8 = 1"

Corner

0 = Sharp Corner	4 = 1/16" radius
1 = 1/64" radius	6 = 3/32" radius
2 = 1/32" radius	8 = 1/8" radius
3 = 3/64" radius	12 = 3/16" radius

A = Square w/ 45° chamfer
 D = Square w/ 30° chamfer
 E = Square w/ 15° chamfer
 K = Square w/ 15° double chamfer
 N = Truncated triangle insert
 P = Flattened corner triangle

C **N** **M** **G** - **4** **3** **2**

Tolerance

	d	m	t
A =	+/- .0010	+/- .0002	+/- .001
F =	+/- .0005	+/- .0002	+/- .001
C =	+/- .0010	+/- .0005	+/- .001
H =	+/- .0005	+/- .0005	+/- .001
E =	+/- .0010	+/- .0010	+/- .001
G =	+/- .0010	+/- .0010	+/- .005
**J =	+/- .002 to +/- .006	+/- .0002	+/- .001
**K =	+/- .002 to +/- .006	+/- .0005	+/- .001
**L =	+/- .002 to +/- .006	+/- .0010	+/- .001
**M =	+/- .002 to +/- .006	+/- .003 to +/- .008	+/- .005
**N =	+/- .002 to +/- .006	+/- .003 to +/- .008	+/- .001
**U =	+/- .003 to +/- .010	+/- .005 to +/- .015	+/- .005

Geometry

A =	*K =
B =	*L =
C =	M =
*D =	N =
*E =	Q =
F =	R =
G =	T =
H =	U =
J =	W =

X = Special Design

Thickness

Number of 1/32's on inserts less than 1/4" IC

Number of 1/16's on inserts 1/4" IC and over

1 = 1/16"
2 = 1/8"
3 = 3/16"
4 = 1/4"
5 = 5/16"
6 = 3/8"

* Smaller than 1/4" I.C.

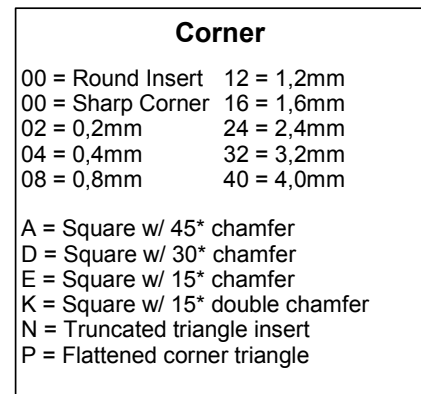
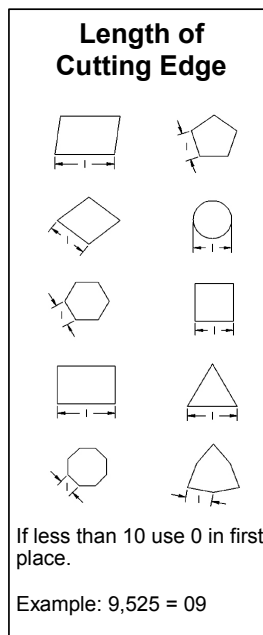
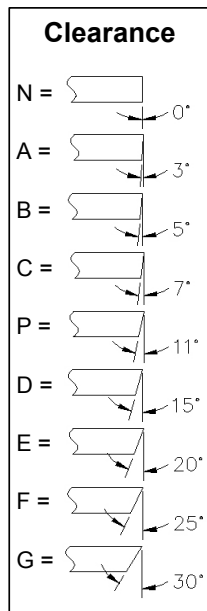
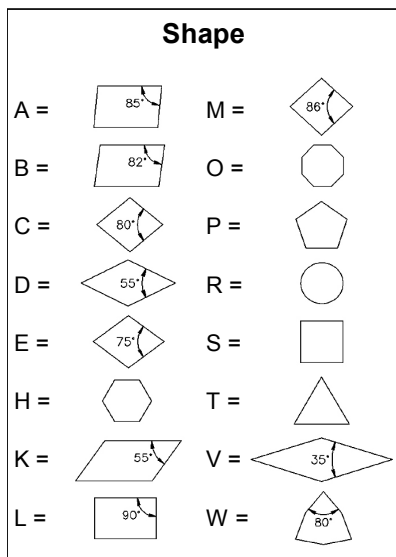
** Exact tolerance is determined by the size of the insert.

Geomtry:

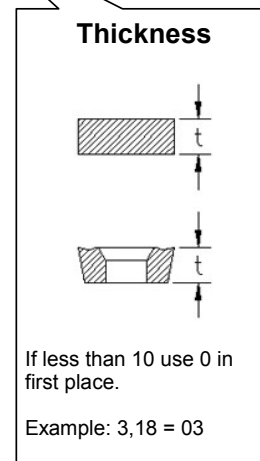
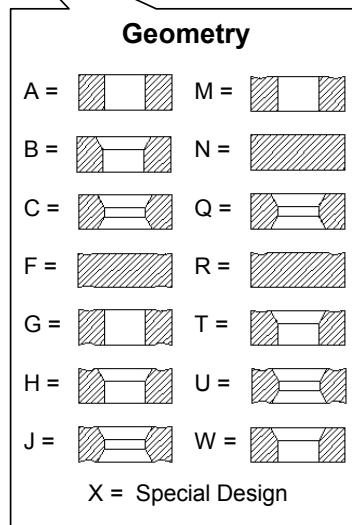
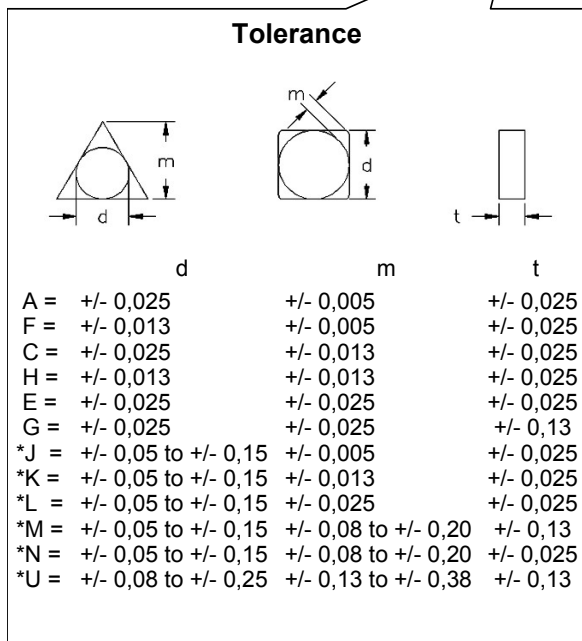
B, C, H, J - countersink is between 70 - 90 degrees.

Q, T, U, W - countersink is between 40 - 60 degrees.

Insert Nomenclature - ISO



C N M G - 12 04 08



* Exact tolerance is determined by the size of the insert.

Geomtry:

B, C, H, J - countersink is between 70 - 90 degrees.

Q, T, U, W - countersink is between 40 - 60 degrees.