

INSERT DESIGNATION - ANSI

SHAPE

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

CLEARANCE

N= D=
 A= E=
 B= F=
 C= G=
 P=

INSCRIBED CIRCLE

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

1.8 = 7/32" 5 = 5/8"
 2 = 1/4" 6 = 3/4"
 3 = 3/8" 8 = 1"
 4 = 1/2"

CORNER

0 = Sharp Corner 4 = 1/16" radius
 .5 = 0.008" radius 6 = 3/32" radius
 1 = 1/64" radius 8 = 1/8" radius
 2 = 1/32" radius 12 = 3/16" radius
 3 = 3/64" 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 (in)

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

THICKNESS

Number of 1/32's on inserts less than 1/4" I.C.

Number of 1/16's on inserts 1/4" I.C. and over

1 = 1/16" 3 = 3/16"
 1.5 = 3/32" 4 = 1/4"
 2 = 1/8" 5 = 5/16"
 2.5 = 5/32" 6 = 3/8"

* Smaller than 1/4" I.C.
 ** Exact tolerance is determined by the size of the insert.

Geometry:
 B, C, H, J - countersink is between 70-90 degrees.
 Q, T, U, W - countersink is between 40-60 degrees.