

Dimensional Standards – General

1. All sizes are given in outside dimensions (EXCEPT outside fitting covers and Relay Case, also called TC Case, A & B dimensions).
2. The basic A, B and C dimensions and tolerances apply at the point of tangency of the radius. Bow tolerances are additive to the measured A, B and C dimension.
3. The normal result of the deep drawing process renders the closed end of the can and corner radius areas thicker than the side wall.
4. Piercing and trim burrs will be maintained within the limits specified below.
5. Deburring shall be considered a separate and additional operation when removal beyond the listed limits is required.
6. Standard tolerances (all measurements are in inches):

TOLERANCE FOR LENGTH ROUND & SQUARE – “B” DIMENSION RECTANGLE –“C” DIMENSION

SIZE RANGE ROUND, SQUARE & RECTANGLE	LENGTH TOLERANCE
0 to 3.999	± .015
OVER 4.000	± .031

TOLERANCE FOR OPEN END OF CAN ROUND & SQUARE – “A” DIMENSION RECTANGLE – “A & B” DIMENSION

SIZE RANGE (see note 1)	TOLERANCE (see note 2)	ALLOWABLE BOW PER SIDE FOR SQUARE & RECTANGLE DIMENSION “A”
0 to .749	± .005	.005
.750 to 1.499	± .008	.008
1.500 to 1.999	± .010	.010
2.000 to 3.499	± .015	.015
Over 3.500	± .020	.020

All measurements are in inches

Note 1: For “B” dimensions tolerance of rectangle cans – use tolerance applied to “A” dimension.

Note 2: For round cans – this tolerance also applies for out of roundness.

WALL THICKNESS	TOLERANCE
.010, .012	± .002
.016, .019, .022, .025, .028	+ .002 – .003
.031, .036, .042	+ .002 – .004
.048 & OVER	± .005

BURR TOLERANCES

MATERIAL THICKNESS	MAX BURR PERMISSABLE
Up to .010	.001
.011 to .025	.002
.026 to .065	.003
Over .065	.005
INSIDE SIDE RADII	± .010
INSIDE BOTTOM RADII	± .015

All measurements are in inches