

TiNi Standard Frangibolt Enclosures

The enclosures shown on this page are a generic design meant to show how the Frangibolt can be held down and retained after actuation. This is done using a thin walled aluminum can which is held down using a low profile ring (shown in red). Note that making these 2 parts as separate pieces allows the can to be rotated into the exact position desired for each application. A third component in the form of a viton dampener is incorporated inside the can to avoid metal on metal impact during actuation.

Note that in many cases a separate enclosure as shown is not necessary because such a means can be designed and integrated directly into the releasable joint. Also in cases where the joint stackup is something other than that shown, the various dimensions of the enclosure will need to be changed to accommodate. In all cases however, TiNi can manufacture these parts to print at minimum cost.

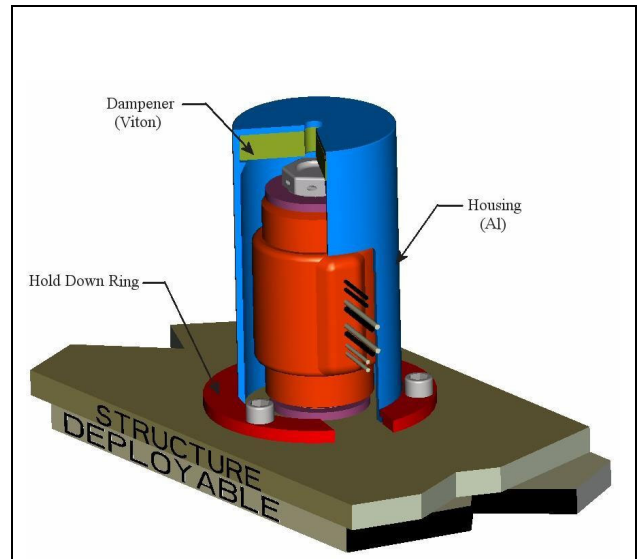


Table I Envelope

Size Model	#8 E2	#10 E3	1/4 E4	3/8 E6
A	1.100	1.350	1.700	2.200
B	0.760	0.876	1.168	1.545
C	0.081	0.096	0.125	0.189
D	0.500	0.500	0.600	0.600
E	1.358	1.715	2.118	2.784
F	1.000	1.175	1.313	1.750
G	0.065	0.085	0.105	0.125

All Dimensions shown above are in inches

Table II Mounting Pattern

	#8	#10	1/4	3/8
SCREW (HOLE)	#2 (0089)	#4 (0116)	#6 (0144)	#8 (0170)
BOLT CIRCLE	0.950	1.150	1.450	1.875

All Dimensions are in inches

