EXPLOSIVE BOLT

Explosive bolts, separation nuts and pyro bolts or studs are designed for missile, launch vehicles, spacecraft and marine applications where rapid structure separation is demanded. Standard explosive bolts and ridge cut explosive bolts are available in a wide range of sizes, configurations and tensile capacities from as little as 200 pounds to as much as 1,000,000 pounds. As an explosive bolt manufacturer, our experts are here to support you in meeting your structural loading, envelope, and environmental requirements and guide you on ways to mitigate shrapnel and products of combustion.

APPLICABLE SPECIFICATIONS

Qualified for:
- MIL-DTL-23659 Appendix A
- MIL-C-83124
- NASA NHB5300.4(1C)
- MIL-STD-1512
- Hermesticity (pre-function)
- Designs that comply with
- $1 \times 10^{-6}$ cc He/sec at 1 atm

APPLICATIONS

Input Stimulus, Typical
- 3.5 amp (when electrically initiated)
- TLX or SMDC input

Tensile Strength
- 4.5 AMP/4.1 millisecond

Operating Temperature
- Up to 550,000 lbf

Separation Time, Typical
- <10 milliseconds after application of All-Fire input stimulus
- <5 milliseconds at greater currents

ENVELOPE & DIMENSIONS

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø5.750</td>
<td>11.749</td>
</tr>
<tr>
<td>Ø4.750 THREAD</td>
<td></td>
</tr>
</tbody>
</table>