

PRODUCT FAMILY

EXPLOSIVE BOLT

Explosive bolts, separation nuts and ppyro 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 1,000000 pounds. As an explosive bolt manufacturer, our experts are here to support you in meeting your structural loading, envelope, and environmental requirememnts 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
- 1×10^{-6} cc He/sec at 1 atm

APPLICATIONS

- Input Stimulus, Typical
- 3.5 amp (whenelectrically initiated)
- TLX or SMDC input
- 4.5 AMP/4.1 millisecond
- Tensile Strength
- Up to 550,000 lbf
- Operating Temperature
- Designs as low as -65 ° F and up to +270 ° F
- Separation Time, Typical
- <10 milliseconds after application of All-Fire input stimulus
- <5 milliseconds at greater currents

ENVELOPE & DIMENSIONS

