**Notes**

1. Seal inhibitor surface to nozzle seat with silicone RTV.
2. Chamfer inside edge of holes and inside edge of casing end 0.4 mm.
3. Bond dowel to support disc and Rod-grain with epoxy adhesive.
4. Tap 1/8 National Pipe Thread (NPT), or equivalent.
5. Chamfer inside edge of holes and mating surfaces with silicone grease.
6. Coat tube-grain and inhibitor surface (propellant side) only with epoxy adhesive.
7. Chamfer inside edge of holes and inside edge of casing end 0.4 mm.
8. Alloy steel socket head cap screws, 1.25 GPa. UTS.
9. Stainless steel (300 series) machine screws. Reduce head diameter to 5.9 mm.
10. Support Disc: Hardwood or equivalent.

**Materials**

- Propellant: RNX-57 or RNX-71V
- Casing: 6061-T6 aluminum alloy or equivalent.
- Nozzle: SAE 1018 mild steel, 12L14 steel alloy, or equivalent.
- Bulkhead: 6061-T6 aluminum alloy or equivalent.
- Inhibitor/casting tube: posterboard, multilayered as required to achieve nominal diameter (close sliding fit).
- End Inhibitors: Posterboard or equivalent, 0.65 mm thickness.
- Support Disc: Hardwood or equivalent.
- Subheader: 6061-T6 aluminum alloy or equivalent.