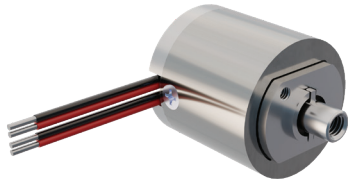


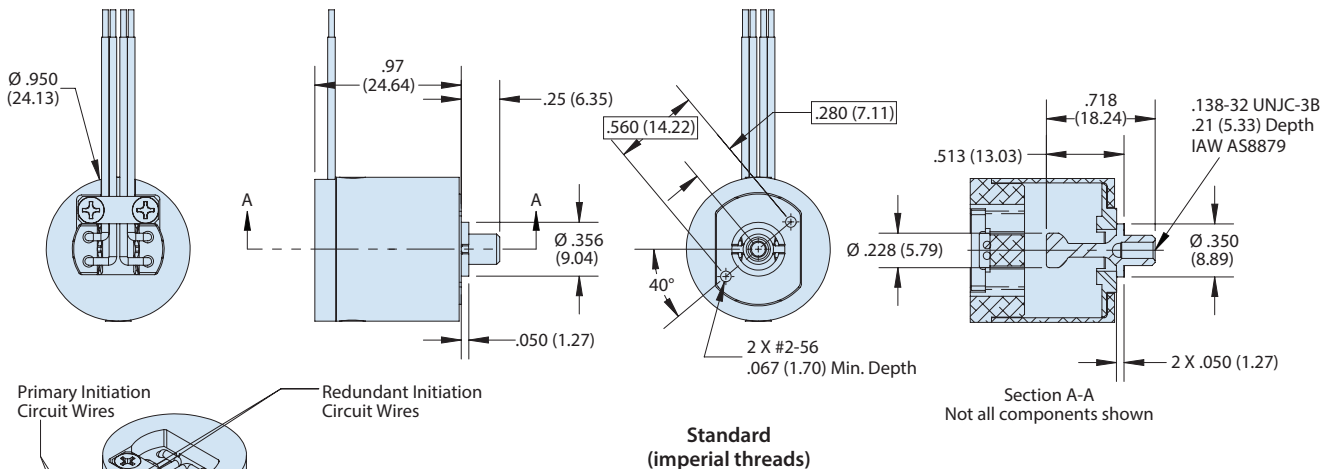
# SERIES 06 Hold-Down and Release Mechanisms



061-037 Medium-Duty HDRM · 90° Bend, Redundant circuit  
600 lb release preload



| HOW TO ORDER         |  |    |       |
|----------------------|--|----|-------|
| Sample Part No.      | 061-037  | -M | -1450 |
| Basic Part No.       | Medium-Duty HDRM, Redundant Circuit  |    |       |
| Metric Screw Threads | -M = Metric Omit for standard  |    |       |
| Mod Code             | -1450 = 80µin (2µm) wire silver plating XL-ETFE<br>Omit for standard MS22759/44 wire |    |       |



## FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel
- Packaging: External housing typically supplied with two mounting points. Custom housings and mountings available
- Connectorization: Standard design supplied with wire inputs. Connectorized versions available.
- Initiation circuit wires supplied 18" standard. Custom lengths are available, consult factory.

## MATERIALS/FINISH

- Housing: Al Alloy / Electroless Nickel IAW AMS-C-26074
- Release Rod: Stainless Steel
- Insulator: Torlon

| TECHNICAL DATA                     |  |
|------------------------------------|--|
| <b>Tested Capability</b>           |  |
| Nominal Release Preload            | 600 pounds   |
| Electrical Resistance              | 0.8 to 2.0 Ohms  |
| Sine Vibration 3 orthogonal axes   | 25 Gs  |
| Random Vibration 3 orthogonal axes | 50.9 GRMS  |
| Actuation Time                     | Under 60 ms @3.5 Amps  |
| Source Shock                       | Under 150 Gs @600 pounds   |
| Life Test                          | 10 refurbishments during qualification and an expected continued usage |
| Temperature                        | -150°C to +150°C released in a vacuum (1x10 <sup>-6</sup> Torr)        |
| <b>Electrical Characteristics</b>  |  |
| Initiation Circuit Resistance      | 0.8 To 2.0 Ohms  |
| DC Insulation Resistance           | >2MΩ at 250 VDC  |
| Qualification Actuation Current    | 3.5 Amps, <60 msec   |
| No Fire Current                    | 0.25 Amp for 5 min., all conditions                                    |
| <b>Physical Characteristics</b>    |  |
| Mass                               | 38.5 grams approximate weight  |
| Release component thread           | .138-32 UNJC-3B  |
| Material list                      | IAW MSFC-STD-3029  |

## MATERIALS/FINISH

- Housing: Al Alloy / Electroless Nickel IAW AMS-C-26074
- Release Rod: Stainless Steel
- Insulator: Torlon
- Wire: GS22759-44 silver-plated XL-ETFE. Use Mod Code -1450 for Red Plague resistant 80µin (2µm) Ag plating.



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