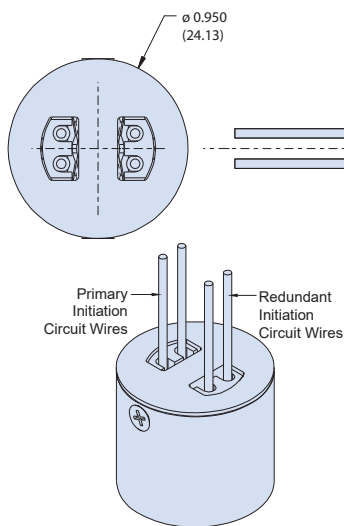
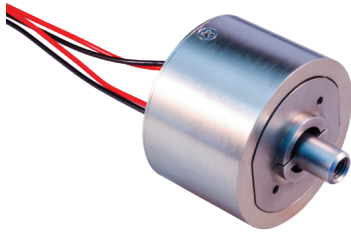


SERIES 06

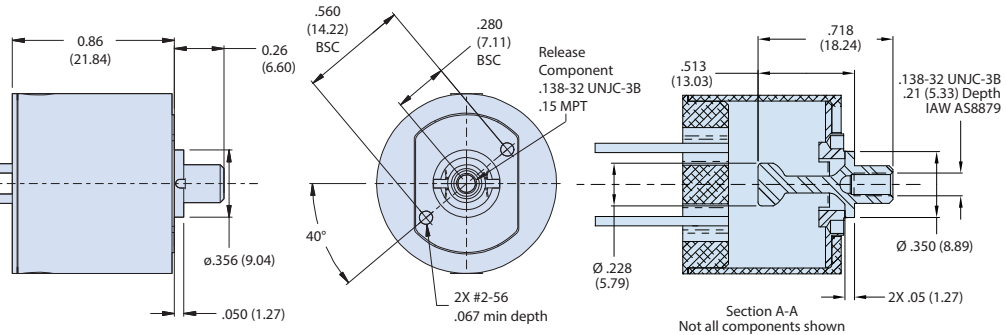
Hold-Down and Release Mechanisms



061-007 Medium-Duty HDRM · Redundant circuit
300 lb release preload



HOW TO ORDER		
Sample Part No.	061-007	-1450
Basic Part No.	Medium-Duty HDRM, Redundant Circuit	
Mod Code	-1450 = 80µin (2µm) wire silver plating XL-ETFE Omit for standard MS22759/44 wire	



TECHNICAL DATA	
Tested Capability	
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 ⁻⁶ Torr)
Electrical Characteristics	
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
Physical Characteristics	
Mass	38.5 grams approximate weight
Release component thread	0.138-32 UNJC-3B*
Material list	IAW MSFC-STD-3029

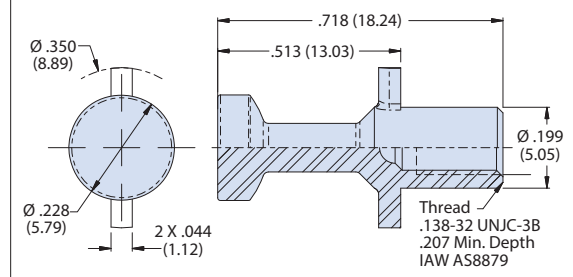
FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel
- Reliability prediction: 0.99999944
- Packaging: External housing typically supplied with two mounting points. Custom housings and mountings available
- Connectorization: Supplied with wire inputs. See P/N 061-030 for connectorized design
- Scalable bolt size: Bolt size determines preload and can be scaled to accommodate a wide range of requirements
- Initiation circuit wires supplied 18" standard. Custom lengths are available, consult factory.

MATERIALS/FINISH

- Housings: 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.

069-102-3 SPARE RELEASE ROD



SERIES 06

Hold-Down and Release Mechanisms



061-007 Medium-Duty HDRM · Redundant circuit
300 lb release preload

