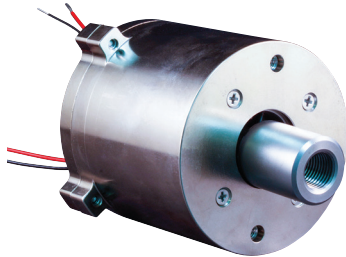


SERIES 06

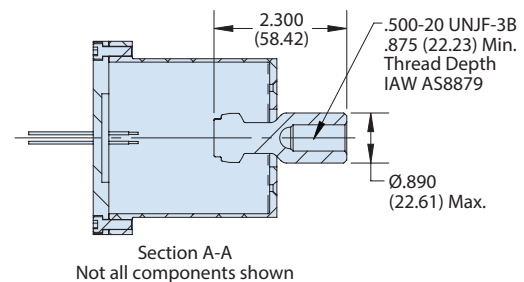
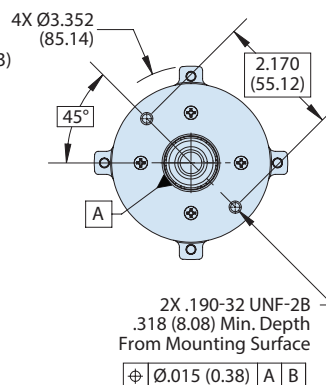
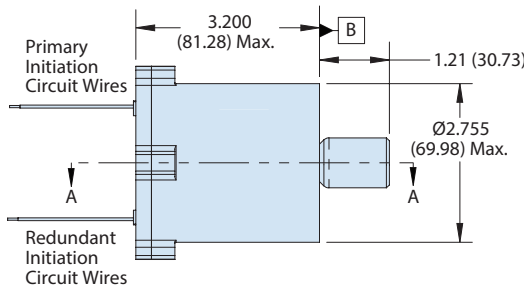
Hold-Down and Release Mechanisms



064-006 Heavy-Duty HDRM · Redundant circuit 20,000 lb release preload



HOW TO ORDER				
Sample Part No.	064-006	-MR	-1450	-XX
Basic Part No.	Heavy-Duty HDRM, Redundant Circuit, 20,000 lb release preload			
Mechanical Release Test Unit	Omit for standard HDRM with electrical initiator			
Mod Code	-1450 = 80µin (2µm) wire silver plating XL-ETFE Omit for standard MS22759/44 wire or when ordering -MR mechanical release ground test unit			
Circuit Wire Length	In inches, 1 inch minimum. Omit for standard 18 inches or when ordering -MR mechanical release ground test unit			

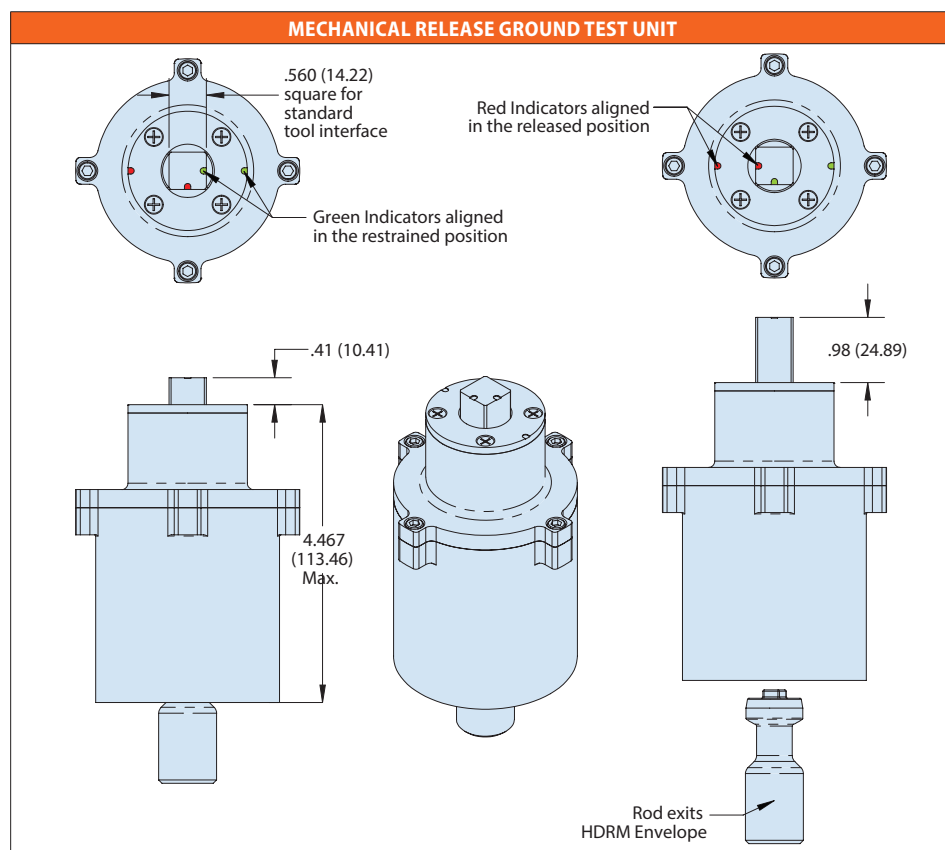


FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel
- Reliability prediction: 0.9999995 (based off scaled design)
- Packaging: External housing typically supplied with four mounting points. Custom housings and mountings available
- Connectorization: Standard design supplied with wire inputs. Connectorized versions available.
- 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

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

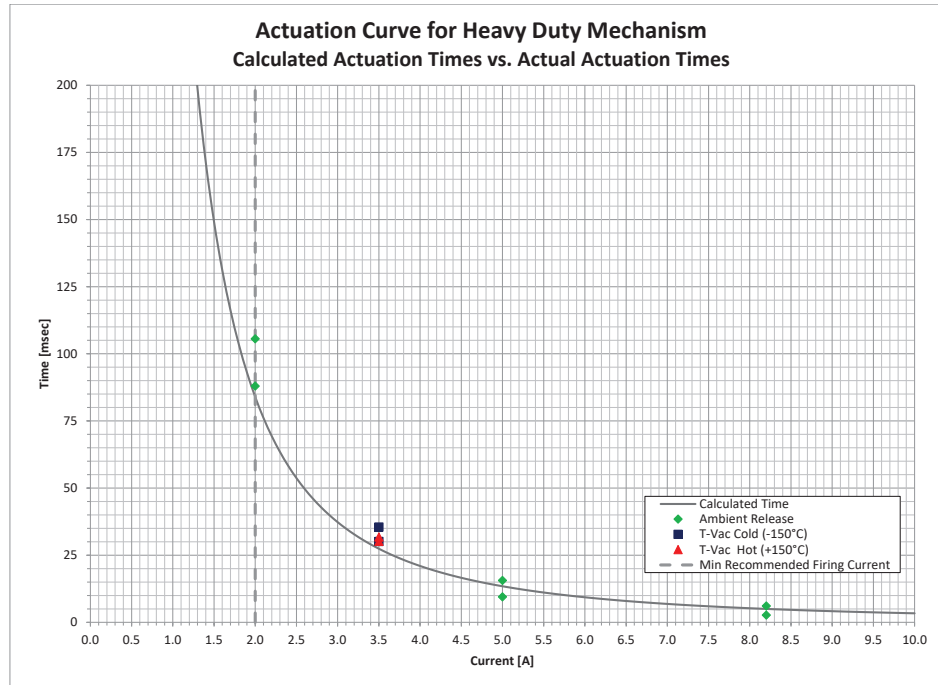


SERIES 06

Hold-Down and Release Mechanisms



064-006 Heavy-Duty HDRM · Redundant circuit
20,000 lb release preload



Available 064-006-MR
Mechanical Release Ground
Test Unit. Consult factory for
application notes.

TECHNICAL DATA		
Tested Capability		
Sine Vibration	25 G	
Random Vibration	30.3 GRMS	
Thermal Vacuum	10 cycles -150c to +150c, 1.5 X 10 ⁻⁵ Torr	
Life Cycle	10 releases on one unit, minimum	
Source Shock:	Preload	Max G Level
	20,000	1,500
Electrical Characteristics		
Initiation Circuit Resistance	0.8 to 2.0 Ohms	
DC Insulation Resistance	>2 MΩ 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	1185 Grams	
Bolt	.500-20 UNJF-3B	
Material list	IAW MSDC-STD-3029	

