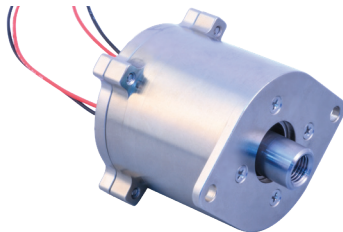


SERIES 06

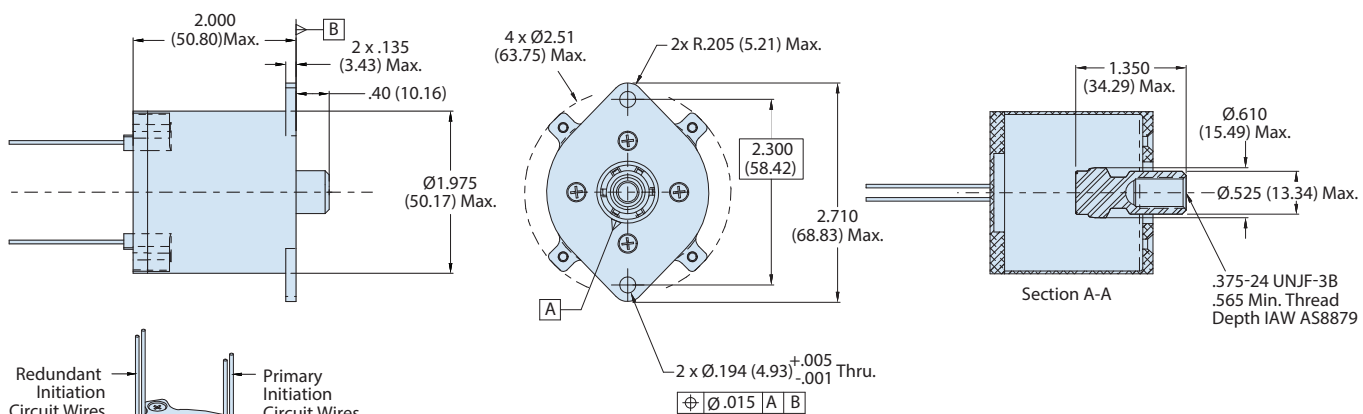
Hold-Down and Release Mechanisms



063-001 Heavy-Duty HDRM · Redundant circuit 8750 lb release preload



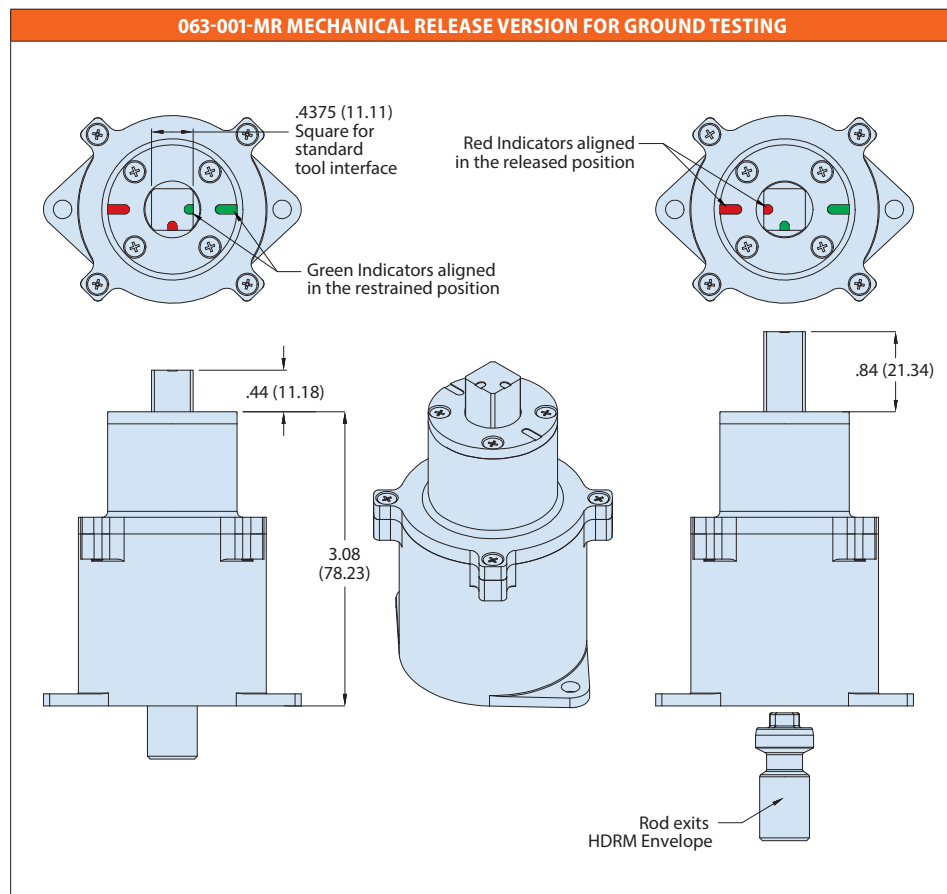
HOW TO ORDER			
Sample Part No.	063-001	-MR	-1450
Basic Part No.	Heavy-Duty HDRM, Redundant Circuit		
Mechanical Release Test Unit	Omit for standard HDRM with electrical initiator		
Mod Code	-1450 = 80µin (2µm) wire silver plating XL-ETFE Omit for standard MS22759/44 wire or when ordering -MR mechanical release ground test unit		



FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel
- Reliability prediction: 0.99999975
- Packaging: External housing typically supplied with two 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.

063-001-MR MECHANICAL RELEASE VERSION FOR GROUND TESTING



SERIES 06

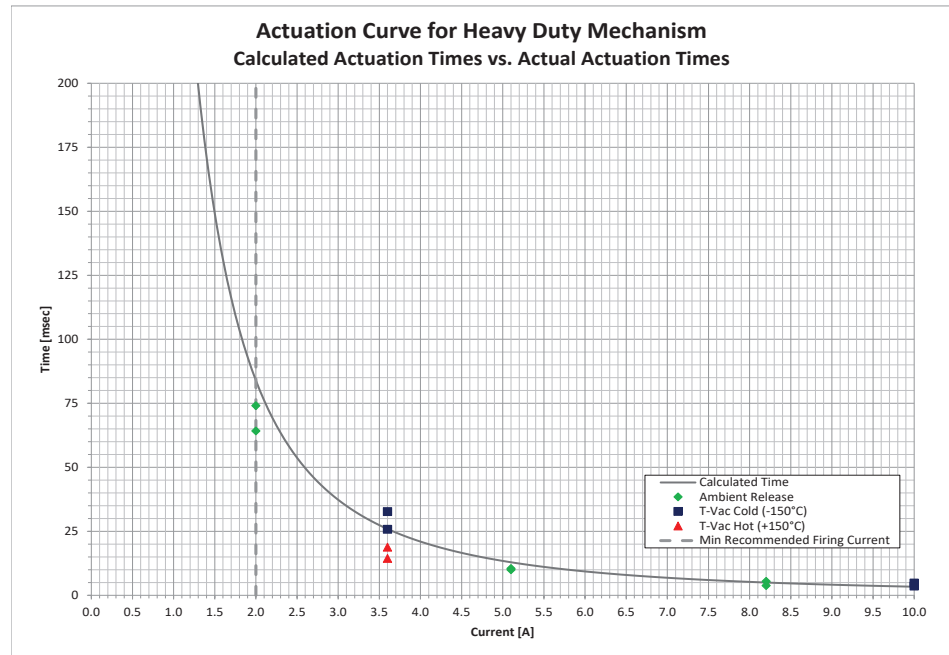
Hold-Down and Release Mechanisms



063-001 Heavy-Duty HDRM · Redundant circuit 8750 lb release preload

MATERIALS/FINISH

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



TECHNICAL DATA		
Tested Capability		
Sine Vibration	25 G	
Random Vibration	50.9 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
	3500	254
	6500	466
	8750	514
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	335 grams approximate weight	
Bolt	0.375-24 UNJF-3B*	
Material list	IAW MSFC-STD-3029	

