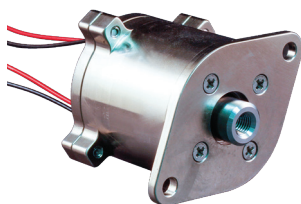


SERIES 06

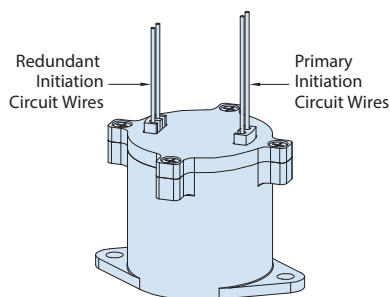
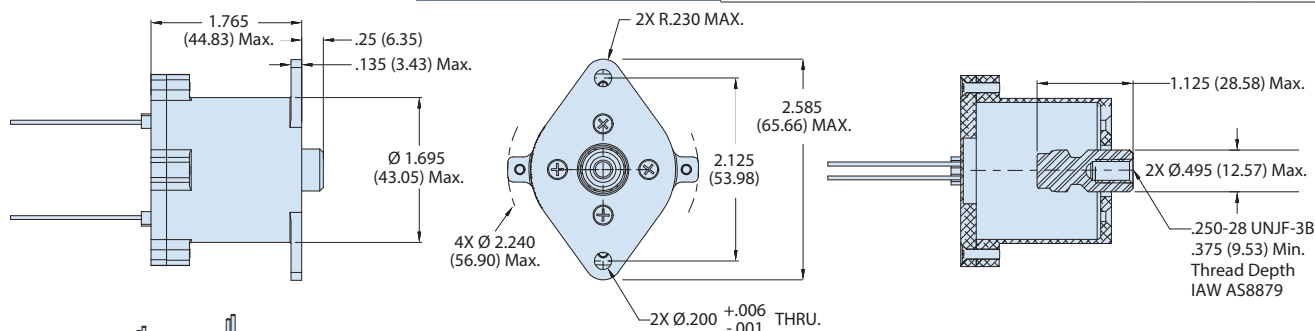
Hold-Down and Release Mechanisms



062-002 Heavy-Duty HDRM · Redundant circuit 5000 lb release preload



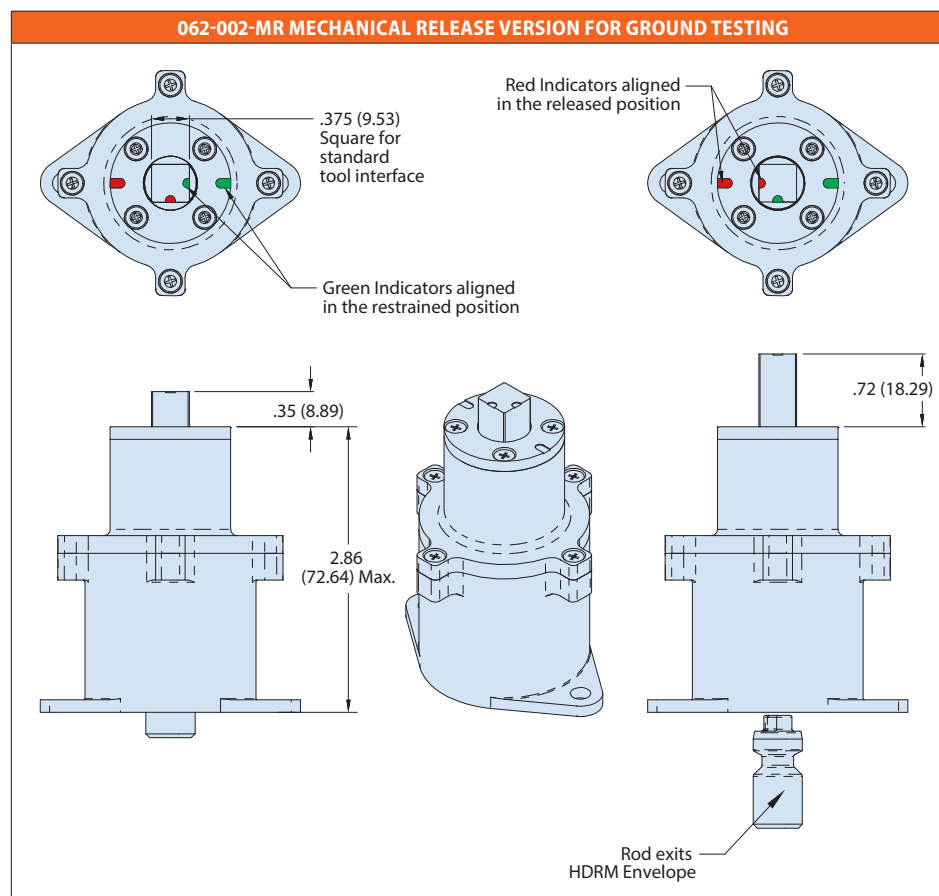
HOW TO ORDER			
Sample Part No.	062-002	-MR	-1450
Basic Part No.	Heavy-Duty HDRM, Redundant Circuit		
Mechanical Release Test Unit	Omit for standard HDRM with electrical initiator		
Mod Code	-1450 = 80µin (2µm) wire silver plating XL-ETFE Omit for standard MS22759/44 wire or when ordering -MR mechanical 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: 0.99999942
- 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.

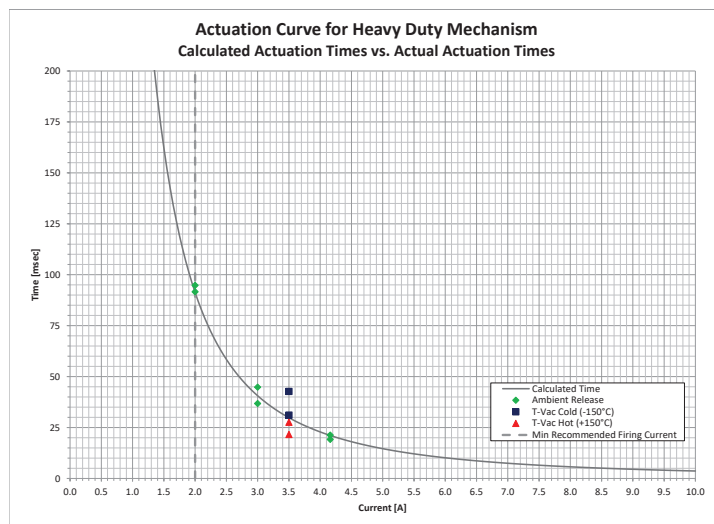
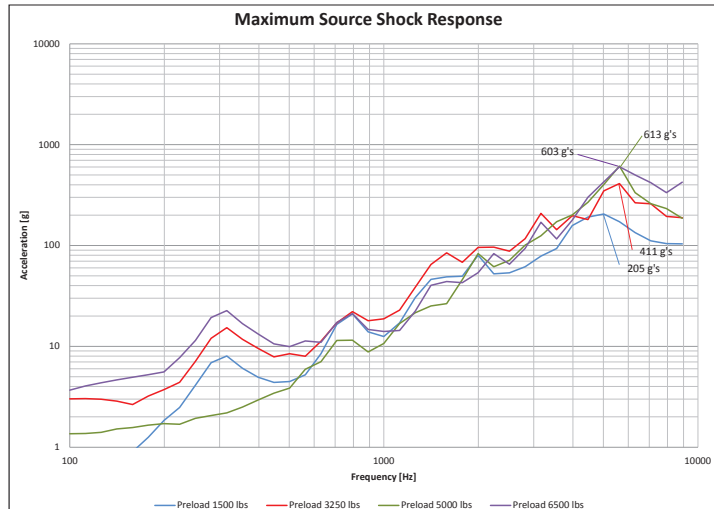
062-002-MR MECHANICAL RELEASE VERSION FOR GROUND TESTING



SERIES 06 Hold-Down and Release Mechanisms



062-002 Heavy-Duty HDRM · Redundant circuit 5000 lb release preload

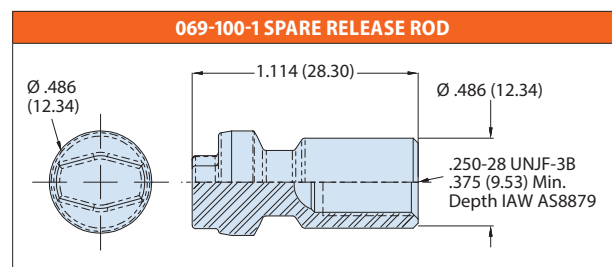
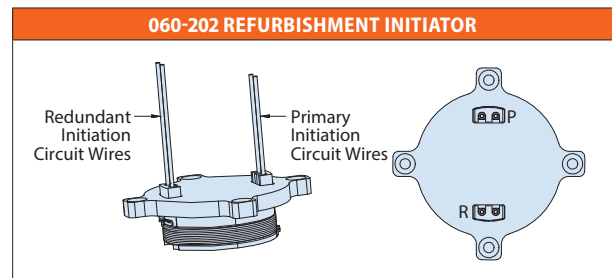


062-002 SHOCK INPUT	
Frequency (Hz)	G, peak (g)
100	50
400	500
2700	1600
10000	1600

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 ⁻⁶ Torr	
Life Cycle	10 releases on one unit, minimum	
Source Shock	Preload	Max G Level
	1500	205
	3250	411
	5000	613
	6500	603
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	241 grams nominal weight with 18 inch lead wire included	
Release component thread	0.250-28 UNJF-3B	
Material list	IAW MSFC-STD-3029	



Available 069-201 mechanical release test unit for ground testing of static load and release function. Consult factory for application notes.