

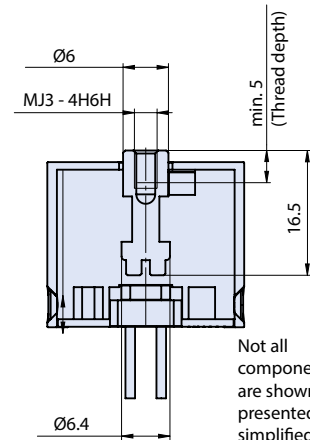
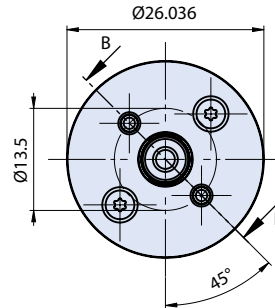
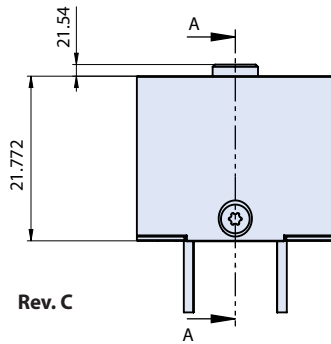
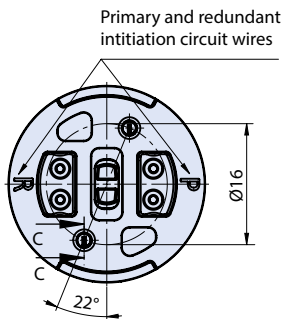
EU SERIES GSS Hold-Down and Release Mechanisms



GSS500-000016 Medium-Duty HDRM · Redundant circuit 3 kN release preload



HOW TO ORDER		
Sample Part No.	GSS500-000016	-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	



Not all components are shown or presented in simplified form

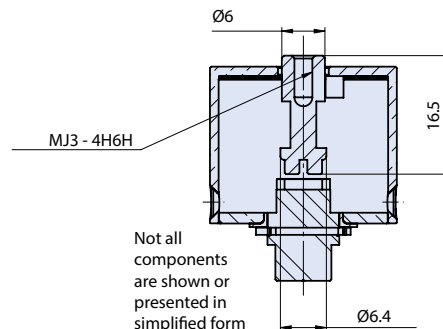
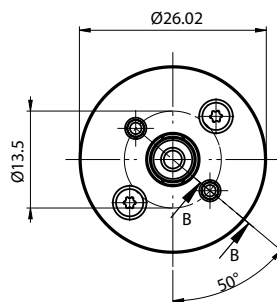
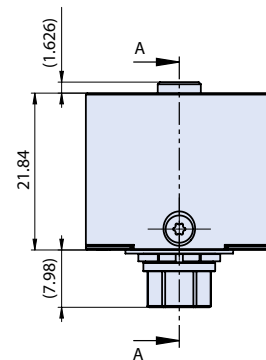
FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel, order refurbishment initiator P/N **GSS501-000009**
- Packaging: External housing typically supplied with two mounting points. Custom housings and mountings available
- Connectorization: Standard design supplied with wire inputs. Connectorized versions available.

MATERIALS/FINISH

- Housing: Al Alloy / Electroless Nickel IAW AMS-C-26074
- Release Rod, Load Segments: Stainless Steel
- Insulator: Torlon
- Wire: GS22759-44 silver-plated XL-ETFE. Use Mod Code **-1450** for Red Plaque resistant 80µin (2µm) Ag plating.
- Initiation circuit wires supplied 50cm standard. Custom lengths are available, consult factory.
- Please contact the factory for the latest details and specifications when ordering.

GSS500-000017 MECHANICAL RELEASE VERSION FOR GROUND TESTING



Not all components are shown or presented in simplified form

EU SERIES GSS

Hold-Down and Release Mechanisms



GSS500-000016 Medium-Duty HDRM · Redundant circuit
3 kN release preload

TECHNICAL DATA	
Tested Capability	
Nominal Preload	3 kN
Proof Preload	3.3 kN
Ultimate Load	7.4 kN
Weight	Max 46 g with 0.5 m Harness
Electrical Resistance	0.3 – 2.0 Ω
Sine Vibration 3 orthogonal axes	25 g's
Random Vibration 3 orthogonal axes	50.9 grms
Actuation Time	Max 70 ms @ 4.0 A at -150°C
Admissible Shock Input	2849 g's at 5 kHz
Source Shock	Max 100 g's at nominal preload
Life Test	Mechanical components qualified for 10 times use with refurbishment initiators
Operating temperature range	-150°C to +150°C
Preload drop over 6 months	<5.0% loss at nominal preload
Allowable Angular misalignment	2°
Epoxy	Outgassing requirements per ECSS

