

EU SERIES GSS Hold-Down and Release Mechanisms

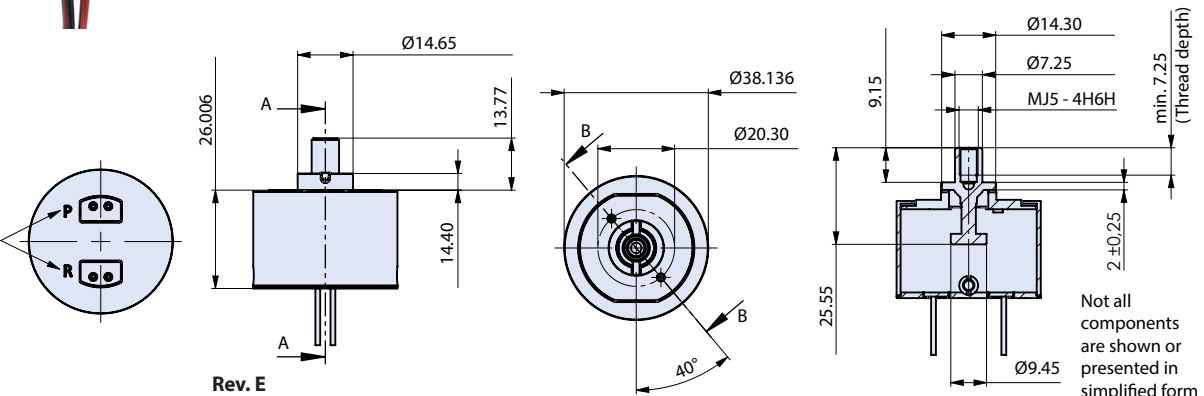


GSS500-000001 Medium-Duty HDRM · Redundant circuit 11 kN release preload



HOW TO ORDER		
Sample Part No.	GSS500-000001	-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	

Primary and
redundant
initiation
circuit wires



Rev. E

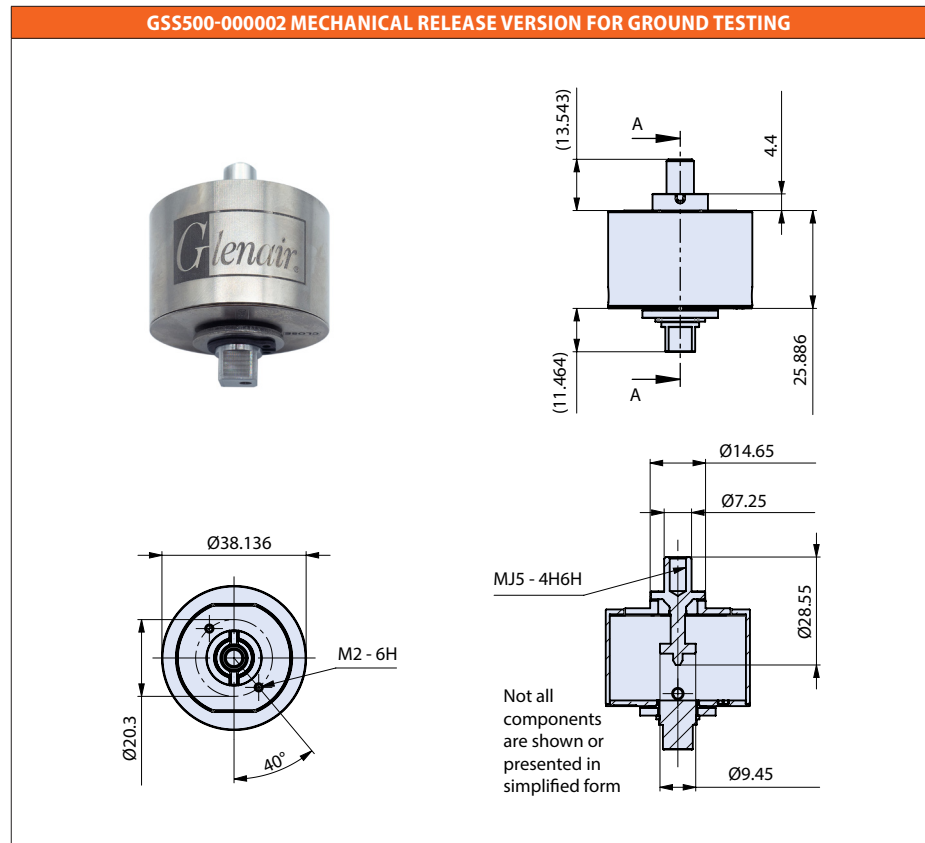
FEATURES AND BENEFITS

- Redundant initiation: 2 initiation points
- Field refurbishable: Initiator can be replaced in less than 15 minutes by trained personnel, order refurbishment initiator P/N **GSS501-000001**
- 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.

GSS500-000002 MECHANICAL RELEASE VERSION FOR GROUND TESTING



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11 kN release preload

TECHNICAL DATA	
Tested Capability	
Nominal Preload	11 kN
Proof Preload	12.1 kN
Ultimate Load	15.5 kN
Weight	Max 86 g with 0.5 m Harness
Electrical Resistance	0.5 – 1.5 Ω
Sine Vibration 3 orthogonal axes	25 g's
Random Vibration 3 orthogonal axes	50.9 grms
Actuation Time	Max 60 ms @ 4.0 A at -150°C
Shock Input	2849 g's at 5000 Hz
Source Shock	Max 300 g 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	<3.0% loss at nominal preload
Allowable Angular misalignment	2°
Epoxy	Outgassing requirements per ECSS

