

OPTIMIZED
FOR USE WITH

MILSTAR
HIGH-PERFORMANCE HOOKUP WIRE AND CABLE



Non-pyrotechnic Hold Down and Release Mechanisms— US- and EU-made IAW local standards and market requirements

Artist concept of NASA's Juno
spacecraft, exploring Jupiter
NASA/JPL-Caltech



High-reliability, non-explosive (split-spool) HDRMs, separation nuts, and pin pullers/pushers for dependable preload retention and release of deployable space systems

- Pyrotechnic-free (low-shock with fuse-wire) for single-event release of deployable space systems—configurable electrical initiation with no (amperage) upper limit
- Single-event device, user-serviceable and refurbishable
- Redundant or non-redundant actuation circuit
- Not susceptible to transient and noise (EMI/EMP/ESD/RFI) inputs
- Extended temperature ranges: -150°C to +150°C



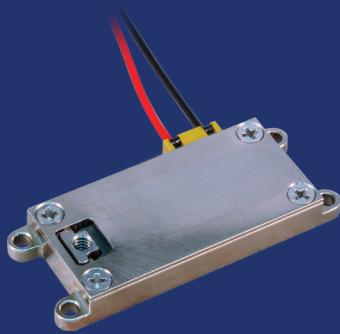
Glenair pyrotechnic-free release mechanisms offer quick release time, low shock, relatively low power input, and virtually no temperature sensitivity. HDRM Series includes separation nuts, pin pullers—direct wired or connectorized—with a broad range of preload carrying capacity. Custom configurations available including pin pushers and other release designs.

NON-PYROTECHNIC Hold Down and Release Mechanisms

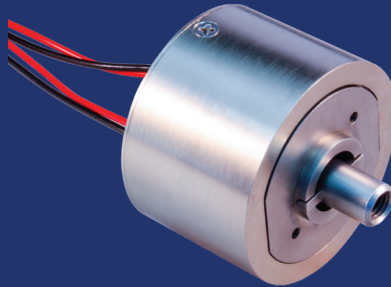


Product Line Overview

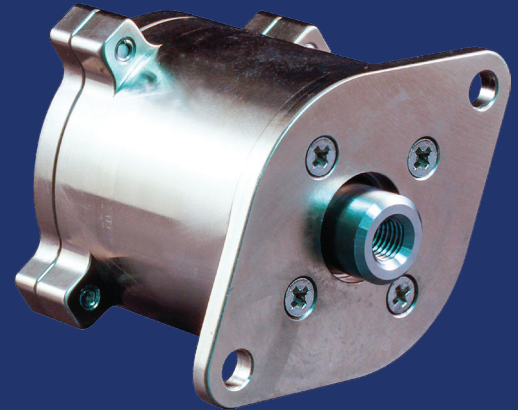
HDRM DUTY CLASSES



Light-Duty HDRM
Redundant circuit,
5 – 24 lb release preload

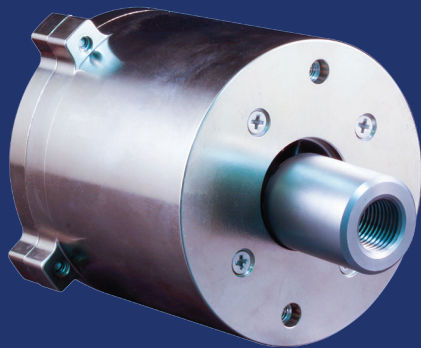


Medium-Duty HDRM
Redundant circuit,
300 – 4000 lb release preload

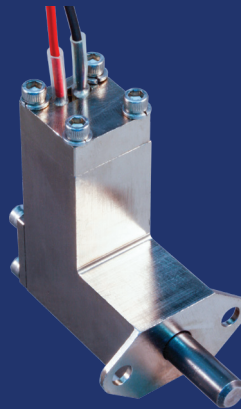


Heavy-Duty HDRM
Redundant circuit,
5000 – 20,000 lb release preload

HDRM RELEASE TYPES



Separation nut



Pin puller



Mechanical release test unit

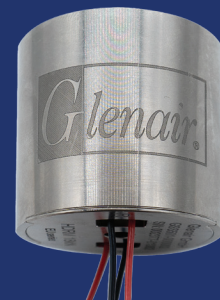
EUROPEAN-MADE HDRM SOLUTIONS IAW ECSS-E-ST-33-01C SPACE MECHANISM STANDARD



Medium-Duty HDRM
Redundant circuit,
1.5 kN release preload



Medium-Duty HDRM
Redundant circuit,
11 kN release preload



Medium-Duty HDRM
Redundant circuit,
18 kN release preload