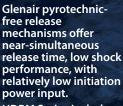


Artist concept of NASA's Juno spacecraft, exploring Jupiter. Credit NASA/JPL-Caltech

NON-PYROTECHNIC Hold Down and Release Mechanisms

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



HDRM Series includes separation nuts, pin pushers, and pin pullers—direct wired or connectorized—with a broad range of preload carrying capacity. Pyrotechnic-free alternative (lowshock fuse-wire) for single-event release of deployable space systems

Configurable electrical initiation with no (amperage) upper limit

Near-simultaneous release dependent on temperature and power

User-serviceable and refurbishable units

Redundant or nonredundant actuation circuit

Not susceptible to transient and noise (EMI/ EMP/ESD/RFI) inputs

Extended temperature ranges: -150°C to +150°C

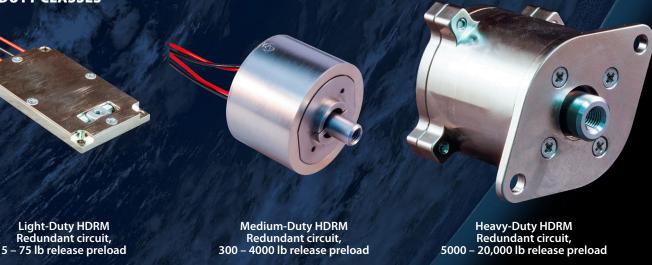
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NON-PYROTECHNIC Hold Down and Release Mechanisms

Separation nut, pin puller, and pin pusher configurations with flight heritage



HDRM DUTY CLASSES



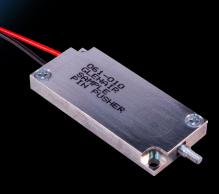
HDRM RELEASE TYPES







Pin puller

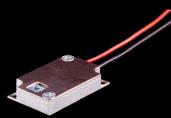


Pin pusher

NORTH AMERICAN AND EUROPEAN HDRM SOLUTIONS







Glenair is pleased to offer both our North American and European customers access to our innovative hold-down release mechanism technologies. These non-pyrotechnic space mechanisms are ideally suited for satellite, payload fairing, antenna array, solar array, and boom and mast deployment. Glenair medium-duty HDRMs and pin pullers can ship to most customers without an export license, although light- and heavy-duty HDRMs do typically require one. Certain designs may be manufactured by Glenair Space Systems in Salem, Germany. Consult factory for complete information.