

061-025

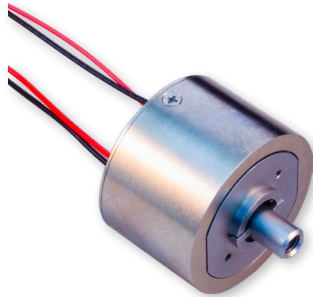
# Medium-duty hold-down release mechanism

600 lb. release preload

Redundant circuit, metric thread



## REDUNDANT CIRCUIT HOLD DOWN RELEASE MECHANISM, MEDIUM DUTY

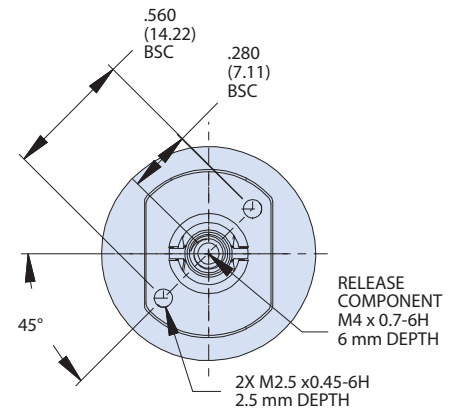
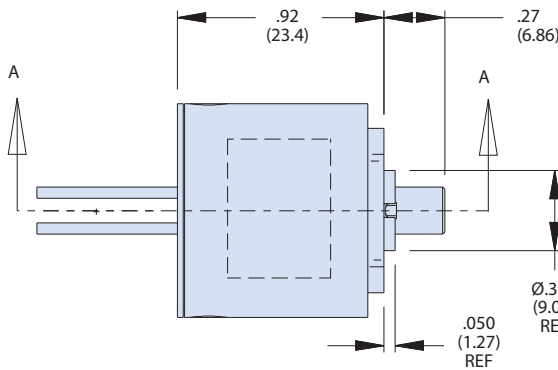
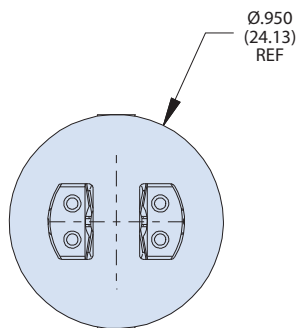
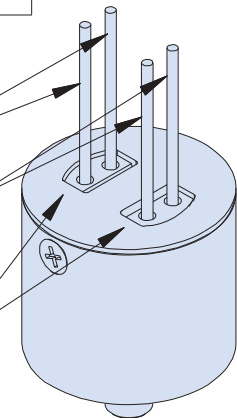


How To Order		
Sample Part No.	061	-025
Basic Part No.	Medium Duty HDRM	
Dash No.	Redundant Circuit	

PRIMARY INITIATION  
CIRCUIT, WIRES IAW  
M22759/44-20-0 AND  
M22759/44-20-2.  
LENGTH 18 INCHES MIN.

REDUNDANT INITIATION  
CIRCUIT, WIRES IAW  
M22759/44-20-0 AND  
M22759/44-20-2.  
LENGTH 18 INCHES MIN.

PRIMARY INITIATION CIRCUIT  
SHALL BE IDENTIFIED 'P' AND  
REDUNDANT CIRCUIT SHALL  
BE IDENTIFIED 'R.'  
IDENTIFICATION SHALL BE  
APPROXIMATELY WHERE SHOWN.



### NOTES

- Unit is identified with Glenair name, CAGE code, part number, and date code, space permitting. Primary initiation circuit identified with "P" and redundant with "R".
- Release preload 600 lbs. (2.67 kN)
- Qualification report for 061-007 available upon request.
- Reference Glenair P/N 060-125 for refurbishment initiator
- Nominal actuation current 3.5 Amps

Physical characteristics	
Mass	40.7 grams nominal weight
Release component thread	M4 x 0.7-6H*
Material list	IAW MSFC-STD-3029
Epoxy	Outgassing requirements per GSC19384
Device features	
Redundant initiation	2 initiation points
Field refurbishable	Initiator can be replaced in less than 15 minutes by trained personnel
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
*Size callout based on the bolt size to be used. Consult factory for qualification test report.	

061-007

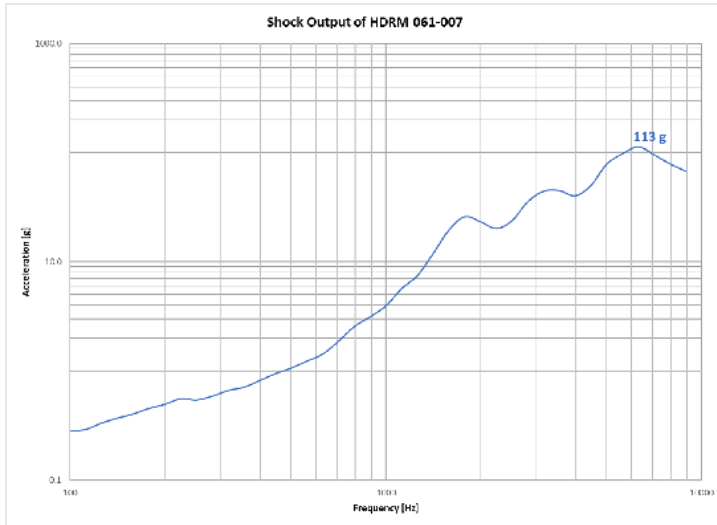
# Medium-duty hold-down release mechanism

600 lb. release preload

Actuation curve



A



Tested Capability for 061-007	
Nominal Release Preload	600 pounds
Electrical Resistance	0.8 to 1.5 ohms
Sine Vibration 3 orthogonal axes	25 G's
Random Vibration 3 orthogonal axes	50.9 G <sub>rms</sub>
Actuation Time	Under 60 ms @3.5 Amps
Source Shock	Under 150 G's @600 pounds
Life Test	10 refurbishments during qualification and an expected continued usage
Temperature	-150°C to +150°C released in a vacuum (1x10 <sup>-6</sup> Torr)

