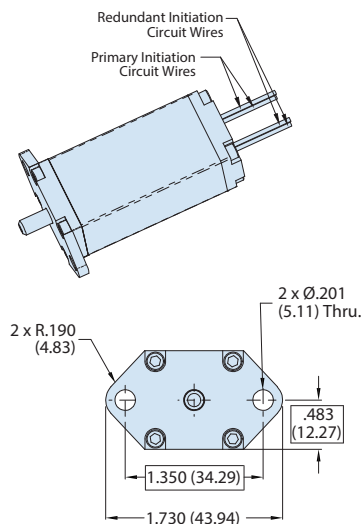
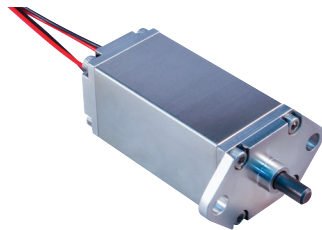


SERIES 06

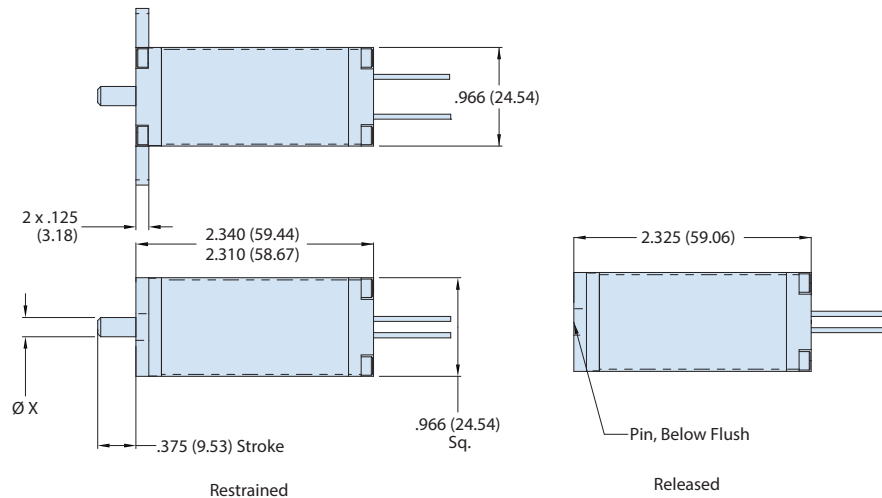
Hold-Down and Release Mechanisms



061-013 Medium-Duty Pin Puller · Redundant circuit 50 lb. pull force



HOW TO ORDER				
Sample Part No.	061-013	-190	-MR	-1450
Basic Part No.	Medium-Duty Pin Puller, Redundant Circuit, 50 lb. pull force			
Pin Diameter / Side Load (See Table I)	-190 (.190 pin diameter, 330 lbs. max. static side load) -375 (.375 pin diameter, 1200 lbs. max. static side load)			
Mechanical Release Test Unit	Omit for standard pin puller with electrical initiator			
Mod Code	-1450 = 80µin (2µm) wire silver plating XL-ETFE Omit for standard MS22759/44 wire or when ordering -MR mechanical release ground test unit			

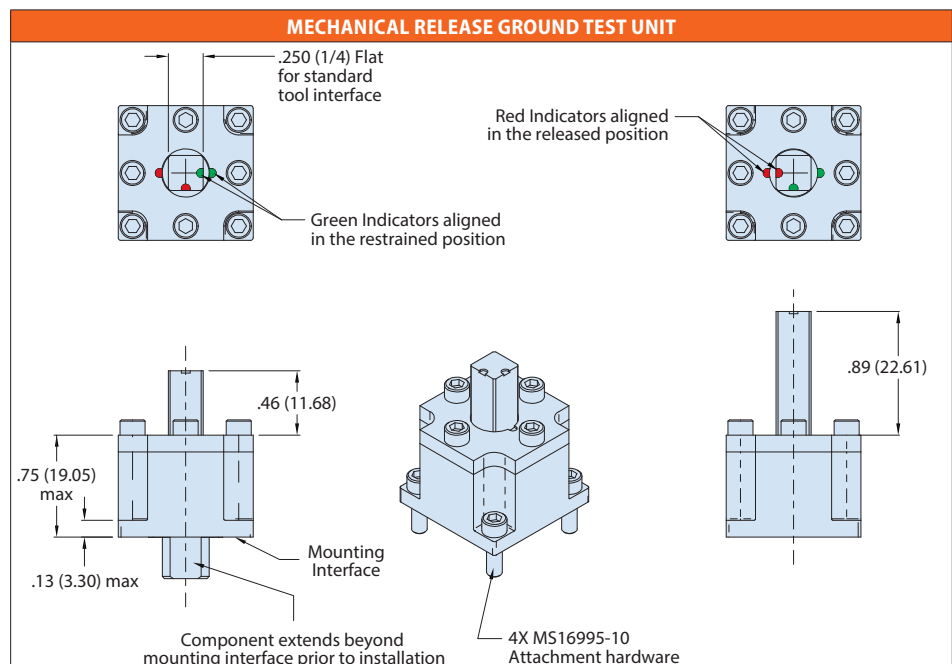


FEATURES AND BENEFITS

- 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.
- Initiation circuit wires supplied 18" standard. Custom lengths are available, consult factory.

MATERIALS/FINISH

- Housing: Al Alloy / Electroless Nickel IAW AMS-C-26074
- Pin: Stainless Steel / Passivated
- Insulator: Torlon
- Wire: GS22759-44 silver-plated XL-ETFE. Use Mod Code **-1450** for Red Plague resistant 80µin (2µm) Ag plating.

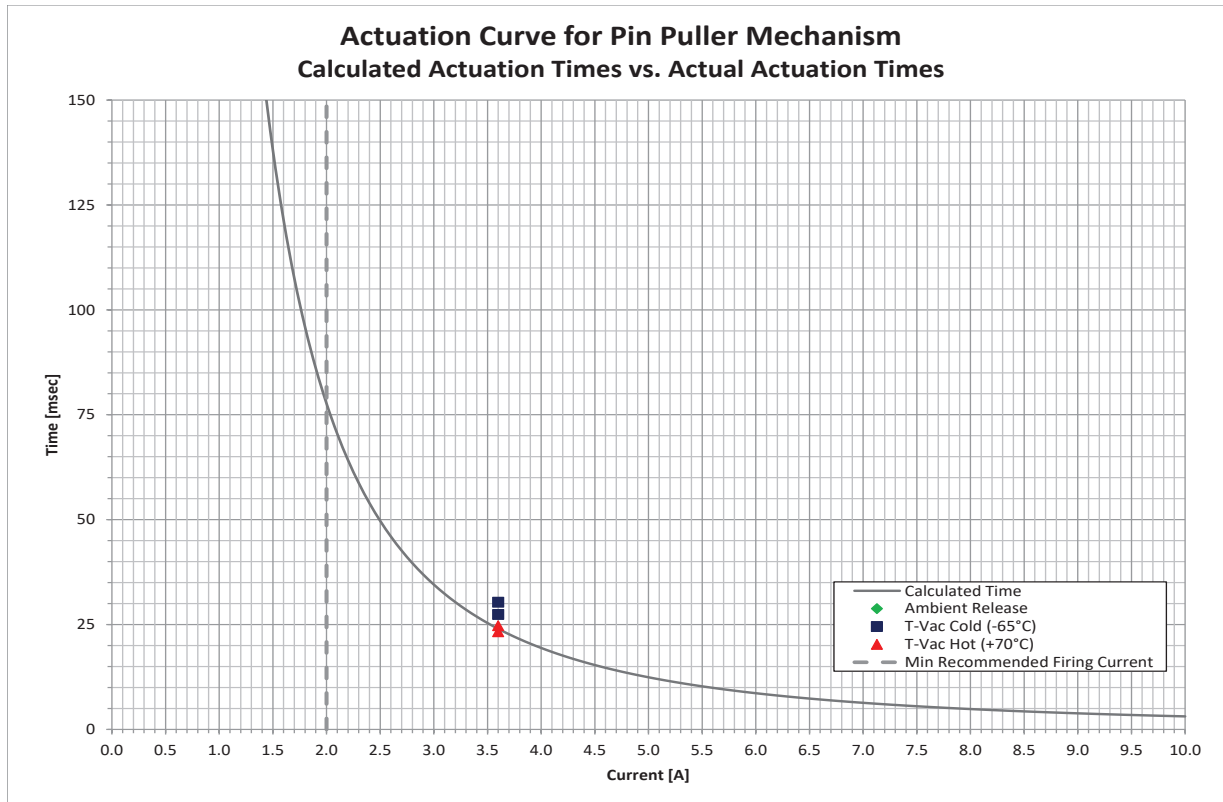


SERIES 06

Hold-Down and Release Mechanisms



061-013 Medium-Duty Pin Puller · Redundant circuit
50 lb. pull force



TECHNICAL DATA	
Tested Capability	
Delta Qualification Test Parameters	
Thermal Vacuum	1 Cycle -65°C to +70°C, 1.0 X 10 ⁻⁵ Torr, actuations at each extreme
Side Load During Actuation	100 lbs
Baseline Pin Puller Qualification Test Parameters	
Survive Static Side Load	330 lbs
Side Load During Actuation	40 lbs
Random Vibration	28.2 GRMS
Shock Input	2849 Gs
Thermal Vacuum	3 Cycles -65°C to +70°C, 1.5 X 10 ⁻⁶ Torr, actuations at each extreme
Thermal Vacuum No Fire Current	.250a, 5 minutes
Life Cycle	5 releases on one unit, minimum
Electrical Characteristics	
Initiation Circuit Resistance	0.8-2.0 Ohms
DC Insulation Resistance	>100 MOHMs at 100VDC
Qualification Actuation Current	3.5 Amps, less than 60 msec
No Fire Current	0.25 Amp for 5 min., all conditions
Physical Characteristics	
Mass	145.8 grams approximate weight
Material list	IAW MSFC-STD-3029

060-113 REFURBISHMENT INITIATOR

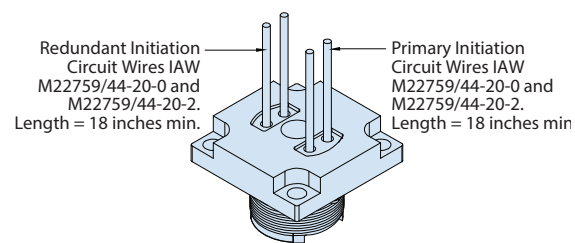


TABLE I: PART NUMBER DEFINITION, EXAMPLES

Dash Number	"X" (Pin Ø)	Maximum Static Side Load (Lbs)
-190	0.190 (4.83)	330
-375	0.375 (9.53)	1200

Note: consult factory for all available pin diameters and static side loads.