

P25 Pinpuller

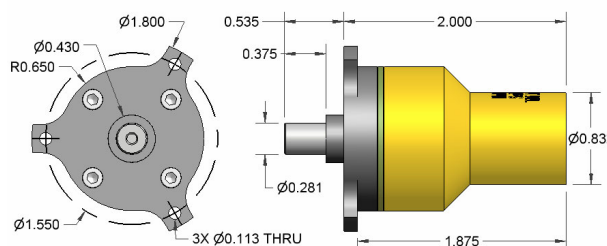
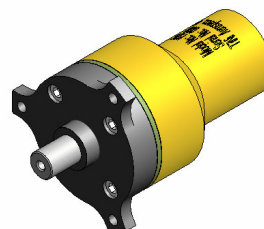
This embodiment uses TiNi's patented trigger mechanism to retract the engagement Pin with 25 lbs of force and 0.375" of stroke.

Features:

- Redundant TiNi Trigger
- Auto Shut Off Switch
- Simple One Step Manual Reset*
- Space Qualified
- Fast Actuation (see below)

Custom configurations are readily attainable.
See Custom Actuators

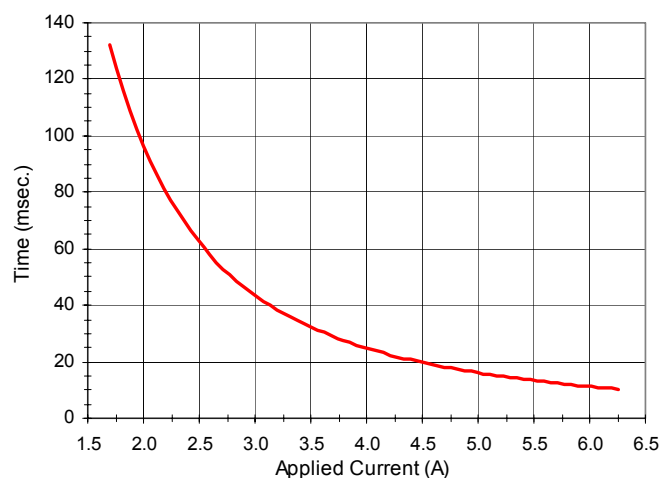
*Reset Tool Provided by TiNi Aerospace, Inc.



Dimensions shown in inches

Rev: 02/05

Function Time (@ 23 C)



Specifications

Pull Force (min)	111 N	(25 lbf)
Pull Stroke (min)	9.5 mm	(.375 in)
Operational Current	1.75 to 6.25 amps	
Actuator Resistance	3.1 ± 0.3 Ohms	
Power Consumption (min)	9.5 Watts @ 1.75 Amps	
Mass	75 gm	(2.6 oz)
Life	100 Cycles Min.	
Max. Axial Load	44 N	(10 lbs)
Side Load (non-actuation)	1824 N	(410 lbs)
Side Load (actuation)	222 N	(50 lbs)
Max. Operating Temp.	70°C	(158°F)
Min. Operating Temp.	-60°C	(-76°F)
Cable Length (min)	457 mm	(18 in)
Cable Type	22 AWG per M22759/43	