

# P10 Pinpuller

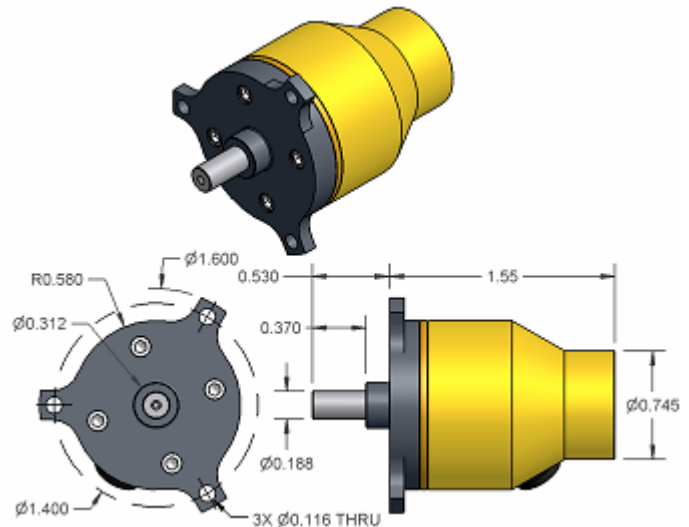
This embodiment uses TiNi's patented trigger mechanism to retract the engagement Pin with 10 lbs of force and 0.375" of stroke.

## 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

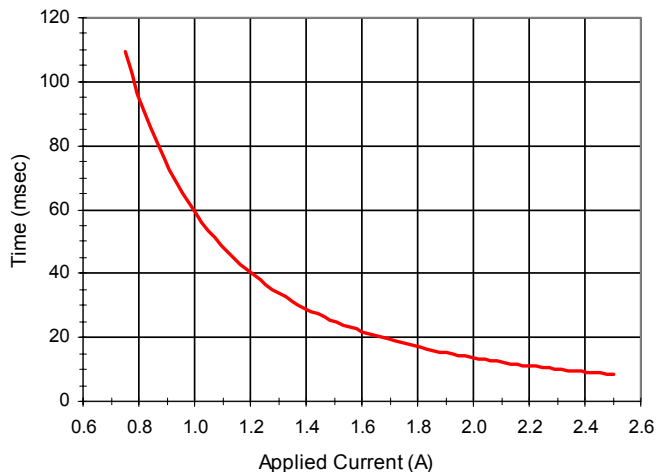
\*Reset Tool Provided by TiNi Aerospace, Inc.



Dimensions shown in inches

Rev: 7/05

## Function Time (@ 23° C)



## Specification

|                           |                       |            |
|---------------------------|-----------------------|------------|
| Pull Force (min)          | 44 N                  | (10 lbf)   |
| Pull Stroke (min)         | 9.5 mm                | (0.375 in) |
| Operational Current       | 0.75 to 2.5 amps      |            |
| Actuator Resistance       | 5.6 ± 0.5 Ohms        |            |
| Power Consumption (min)   | 3.2 Watts @ 0.75 Amps |            |
| Mass                      | 45 gm                 | (1.6 oz)   |
| Life                      | 100 Cycles Min.       |            |
| Max. Axial Load           | 22 N                  | (5 lbs)    |
| Side Load (non-actuation) | 1913 N                | (430 lbs)  |
| Side Load (actuation)     | 89 N                  | (20 lbs)   |
| Max. Operating Temp.      | 70°C                  | (158°F)    |
| Min. Operating Temp.      | -60°C                 | (-76°F)    |
| Cable Length (min)        | 457 mm                | (18 in)    |
| Cable Type                | 24 AWG per M22759/43  |            |