

The Best Choice in Aircraft Seat Recline Products

For OEM's, Operators, Passengers and Maintenance Crews.



Robust Design

- Load-bearing capability
- High-strength materials
- Optimized strength-to-weight ratio

Performance

- Ultra-smooth operation
- Lowest industry backlash
- Low actuation force

Service

- Worldwide sales and service locations
- AOG support program
- Off-the-shelf availability

Value

- Competitively priced
- Lowest cost of ownership
- Value added engineering support

Safety

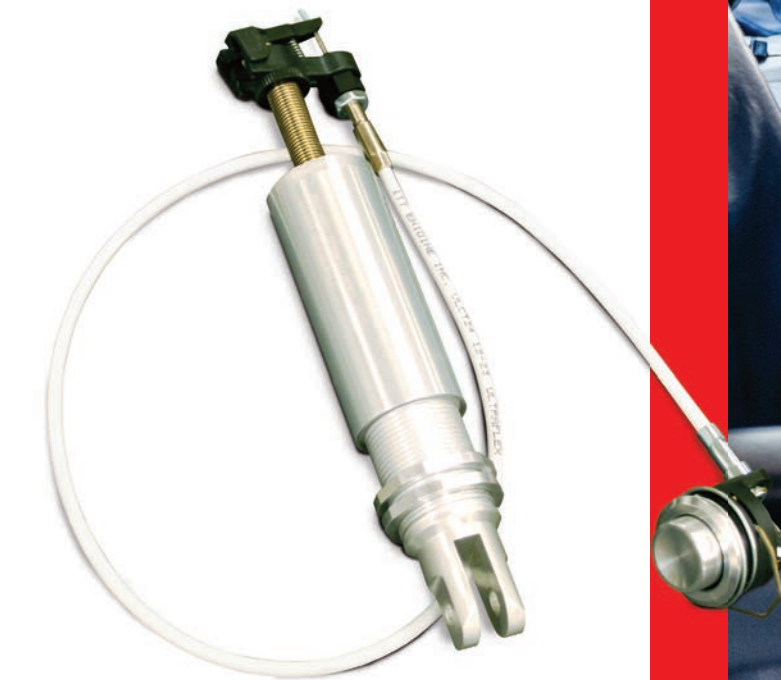
- 16-g tested and approved
- Egress override feature
- High load units available for aft-facing seats

Reliability

- Longest service life expectancy
- Superior ultimate load design
- Extended warranty period

Enidine
7 Centre Drive
Orchard Park, New York 14127 • USA
Phone: 716-662-1900
Fax: 716-667-1385
Email: aviationsales@enidine.com
www.enidine.com

UltraLOC® Seat Recline Products



ENIDINE

UltraLOC® Seat Recline Products

SCT



Single Clevis - Threaded End

Overview

UltraLOC® with threaded mounting and clevis. Customizable, designed to customer specifications.

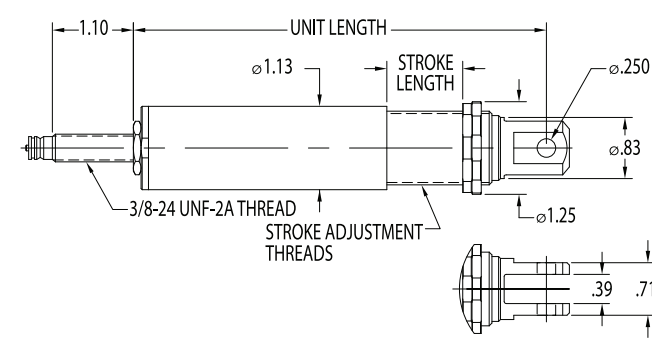
- Aluminum machined cylinder and spring cover
- 7068 high strength aluminum nickel plated piston or High strength steel nickel plated piston. (Piston material varies with ultimate load requirements)
- Anodized protective finish
- Infinite adjustment capability
- Rigid locking at any position

Specifications

Actuation Pin Force	.....5 to 9 lbs. (22 to 40 N)
Extension Speed	.....0.1 to 0.6 sec
Tensile Load	.....2,300 to 5,000 lbs. (10 230 to 22 241 N)
Compressive Load	.....2,300 to 5,000 lbs. (10 230 to 22 241 N)
Operational Life	.....Up to 200,000 cycles

Custom Features

Stroke Length	.....0.5 to 2.6 in (12,7 to 66 mm)
Extension Force	.....Customer specified
Override Force	.....Varies with extension force. Customizable.
Unit Length Extended	.....4.0 to 10.3 in (102 to 262 mm)
Clevis Mount	.....Customizable to customer requirements



SA



Side Actuation

Overview

UltraLOC® with threaded mounting and clevis. Integrated actuation lever. Lever can be parallel or perpendicular to clevis mounting holes. Customizable, designed to customer specifications.

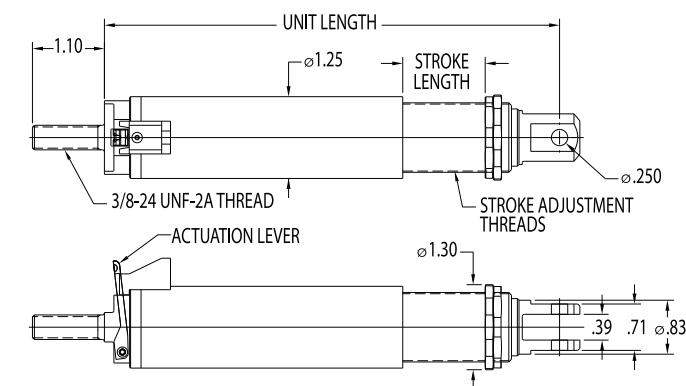
- Aluminum machined cylinder, spring cover, and clevises
- 7068 high strength aluminum nickel plated piston or High strength steel nickel plated piston. (Piston material varies with ultimate load requirements)
- Anodized protective finish
- Infinite adjustment capability
- Rigid locking at any position

Specifications

Actuation Force at Lever	.....1.5 to 2.7 lbs. (7 to 12 N)
Extension Speed	.....0.1 to 0.6 sec
Tensile Load	.....2,300 to 4,400 lbs. (10 231 to 19 572 N)
Compressive Load	.....2,300 to 4,400 lbs. (10 231 to 19 572 N)
Operational Life	.....Up to 200,000 cycles

Custom Features

Stroke Length	.....0.5 to 2.6 in (12,7 to 66 mm)
Extension Force	.....Customer specified
Override Force	.....Varies with extension force. Customizable.
Unit Length Extended	.....4.8 to 10.9 in (122 to 277 mm)
Clevis Mount	.....Customizable to customer requirements



HIC-D



HIC Damper

Overview

UltraLOC® with one shot HIC energy absorber located on shaft of seat lock. Can be integrated on other seat lock designs. Customizable, designed to customer specifications.

Energy Absorber:

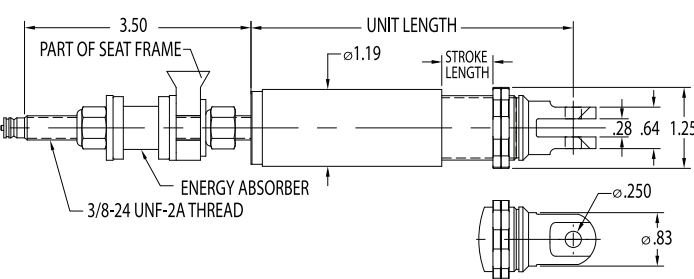
- Help seat pass dynamic HIC testing
- Permanent plastic deformation
- Resisting force: 2,000 lbs. (8896 N)
- Displacement: 0.334 in (8.5 mm)
- Energy capacity: 530 in-lbs. (60 N-m)
- Operating temperature: -15 to 120°F (-26 to 49°C)
- Aluminum machined cylinder, spring cover, and clevis.
- High strength steel nickel plated piston
- Anodized protective finish
- Infinite adjustment capability
- Rigid locking system

Specifications

Actuation Pin Force	.....5 to 9 lbs. (22 to 40 N)
Extension Speed	.....0.1 to 0.6 sec
Tensile Load	.....5,000 lbs. (22 241 N)
Compressive Load	.....3,200 lbs. (14 234 N)
Operational Life	.....Up to 200,000 cycles

Custom Features

Stroke Length	.....0.5 to 0.8 in (12.7 to 20,3 mm)
Extension Force	.....Customer specified
Override Force	.....Varies with extension force. Customizable.
Unit Length Extended	.....4.9 to 10.3 in (126.5 to 262.6 mm)
Clevis Mount	.....Customizable to customer requirements



Optional Clevis Ends

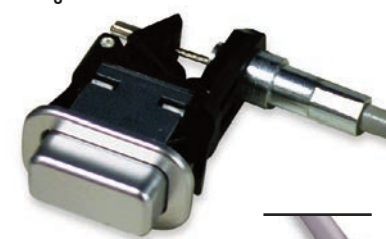


Customizable design clevis options available to suit your specific application requirements.

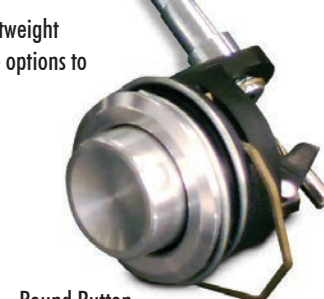


Lightweight plastic lever assembly.

Rectangle Button



Multiple lightweight button shape options to choose from.



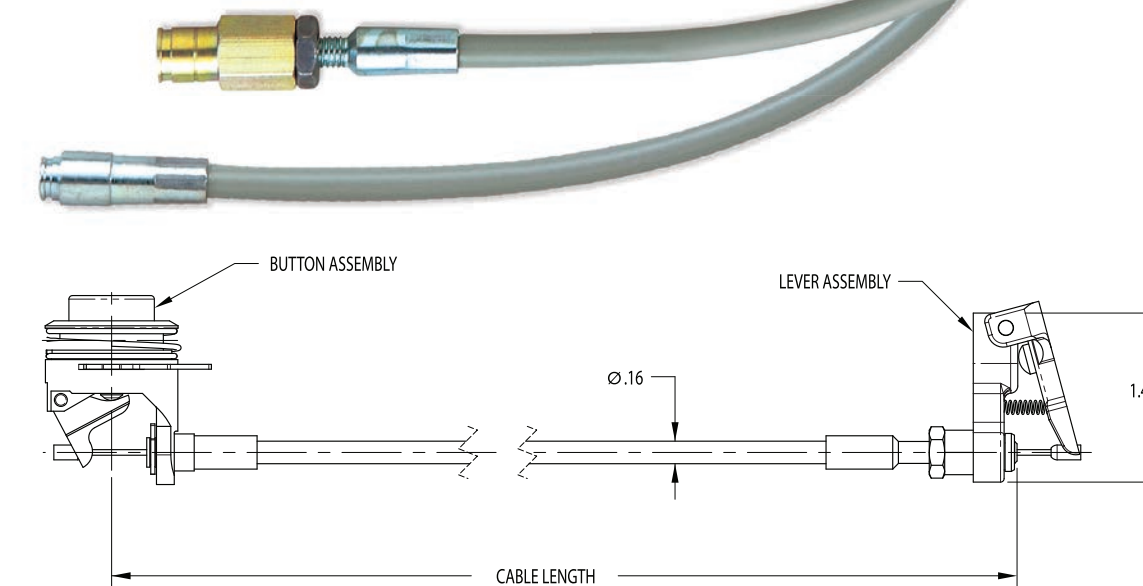
Round Button

Cables

Cables are offered in reduced diameter conduit, .160 inch diameter versus .190 inch diameter, for lighter weight and improved flexibility.

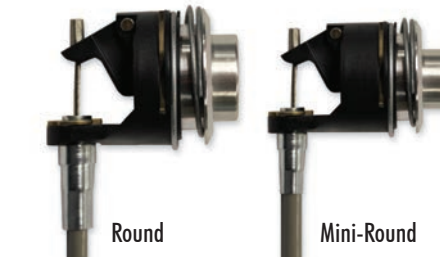
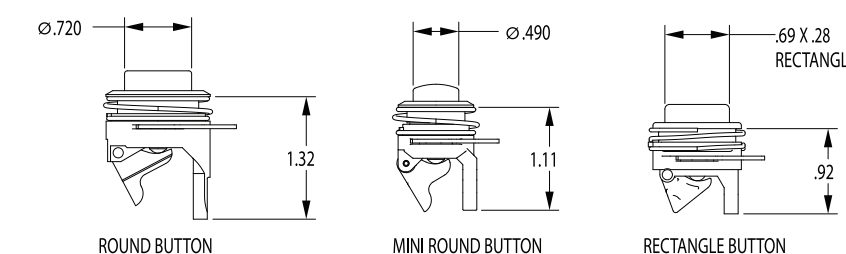
Minimum recommended bend radius is 1.0 inch.

Enidine UltraLOC® cables are available with custom cable ends to suit application requirements.



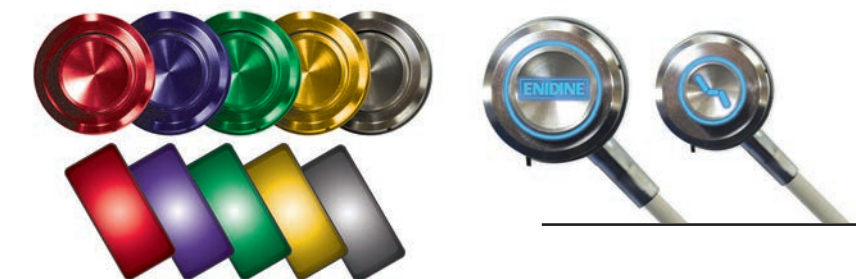
Buttons

Buttons are available in several configurations, and can be custom designed to suit specific requirements.



Round

Mini-Round



Multiple color and shape options available for buttons to compliment your aircraft brand interior and seating colors.



LED backlighting and laser etching of logos or pictograms can be provided for some button model types.

Standard and low-profile buttons to accommodate varying aircraft seat arm rest configurations.