Aftermarket

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

UltraLOC®
Seat Recline Systems

OEM Market

UltraLOC® Seat Recline System – "The Best Choice!"

Drop-In Replacement

- All aftermarket products are PMA approved
- Direct competitor interchange
- Lightweight, increased payload capacity

Performance

- Zero maintenance
- Lowest industry backlash
- Backed by the longest industry warranty

Availability

- Shortest industry lead times
- Safety stock programs
- Complete standard product portfolio

Service

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

Value

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

Reliable

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

Safety

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

User-Friendly

- Easy-to-install – QuikLOC™ option
- Stroke adjustment without tools
- Tamperproof "lockout" feature

ENIDINE

Economy Class UltraLOC®

Spring Clip for Easy installation

Kink-Resistant Cable Conduit

Swaged Fittings Withstand Pull Loads Greater Than 50 lbs.(23 Kg)
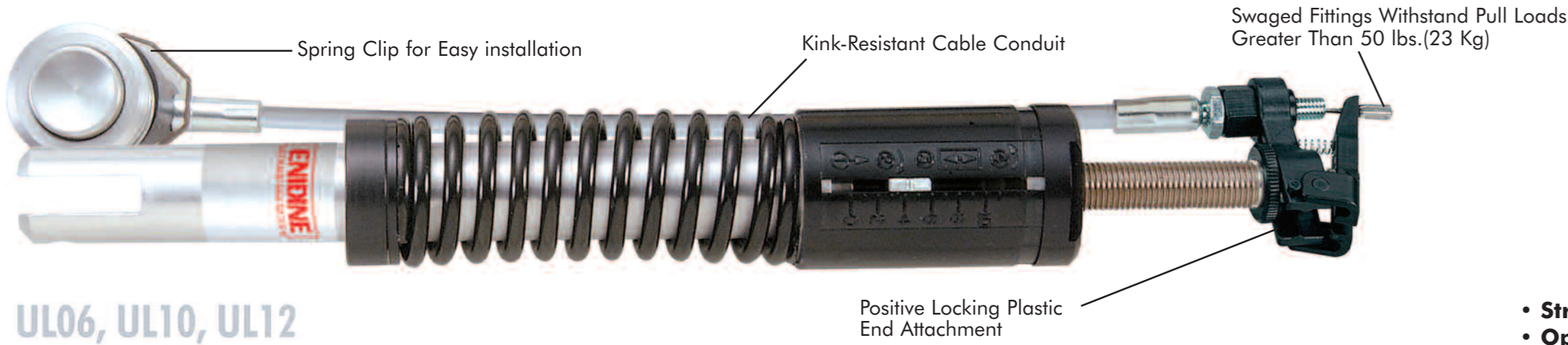
The BEST CHOICE for Economy Class seats

Positive Locking Plastic End Attachment
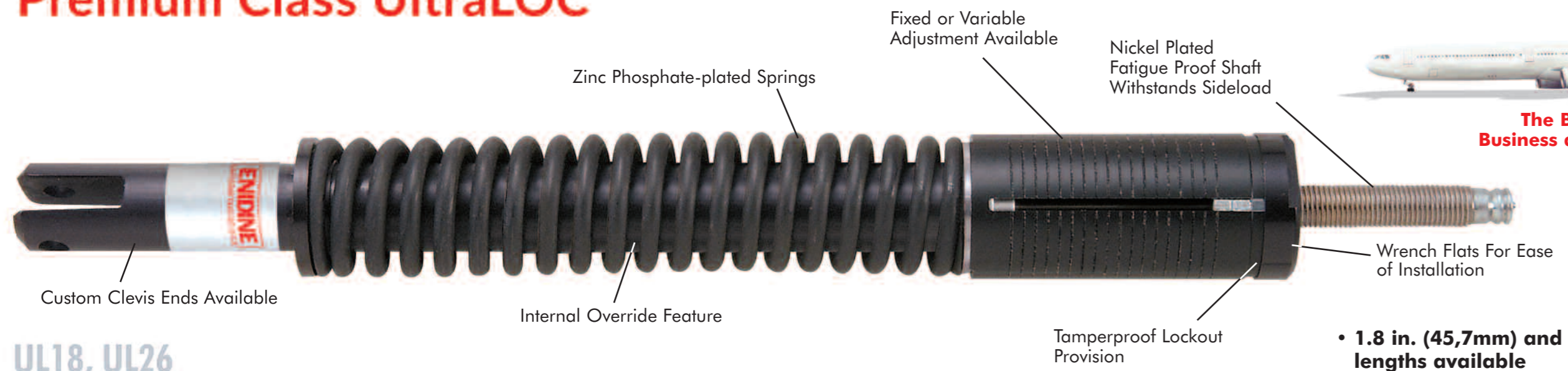
UL06, UL10, UL12

- Stroke lengths available up to 1.12 in. (28,5mm)
- Operational life expectancy 250,000 cycles

Premium Class UltraLOC®

Fixed or Variable Adjustment Available

Zinc Phosphate-plated Springs

Nickel Plated Fatigue Proof Shaft Withstands Sideload

The BEST CHOICE for Business and First-Class seats

Custom Clevis Ends Available

Wrench Flats For Ease of Installation

Internal Override Feature

Tamperproof Lockout Provision

UL18, UL26

- 1.8 in. (45,7mm) and 2.6 in. (66mm) stroke lengths available
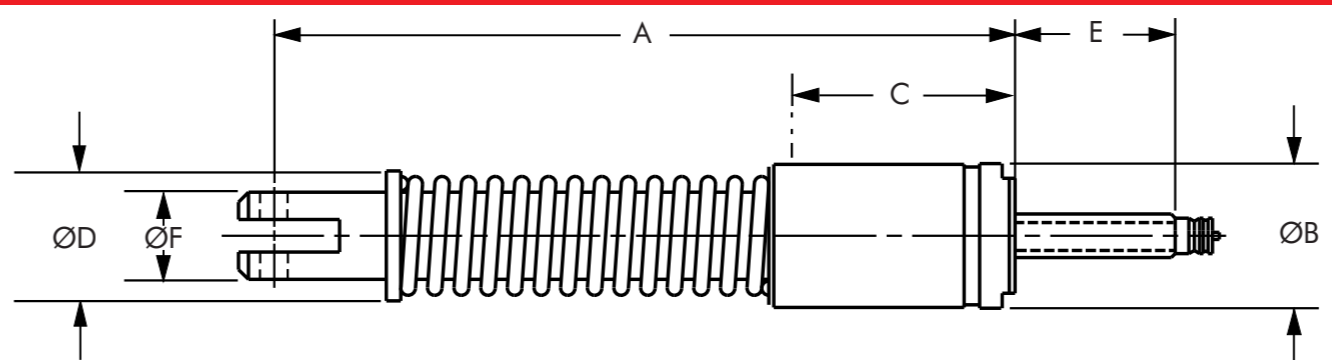- Operational life expectancy 200,000 cycles

Executive Class UltraLOC®

Anodized Aluminum Body

Universal Control Cable Interface

The BEST CHOICE for Executive Aircraft seats

State-of-the-Art Internal Seal Design

Single Stroke Feature

UL32, UL37
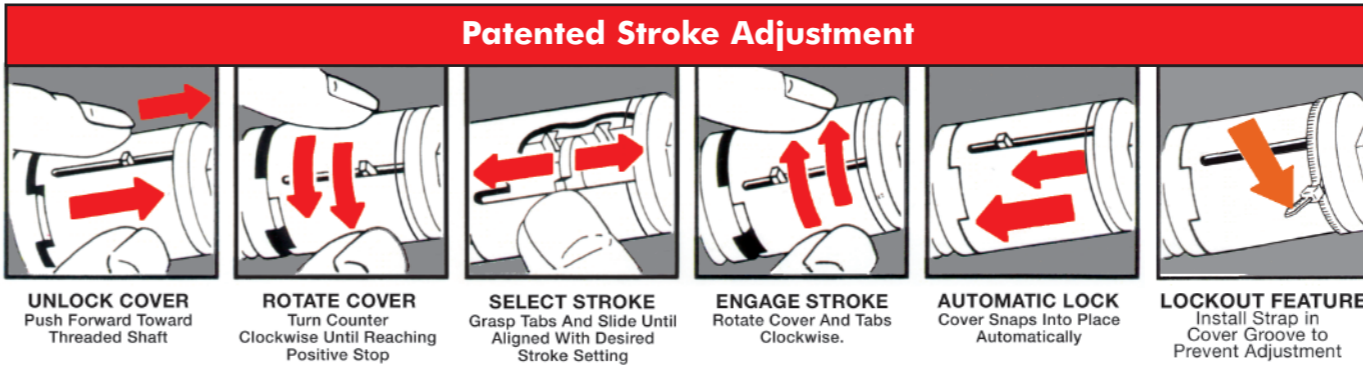
- 3.2 in. (81,3mm) and 3.7 in. (94mm) stroke lengths available
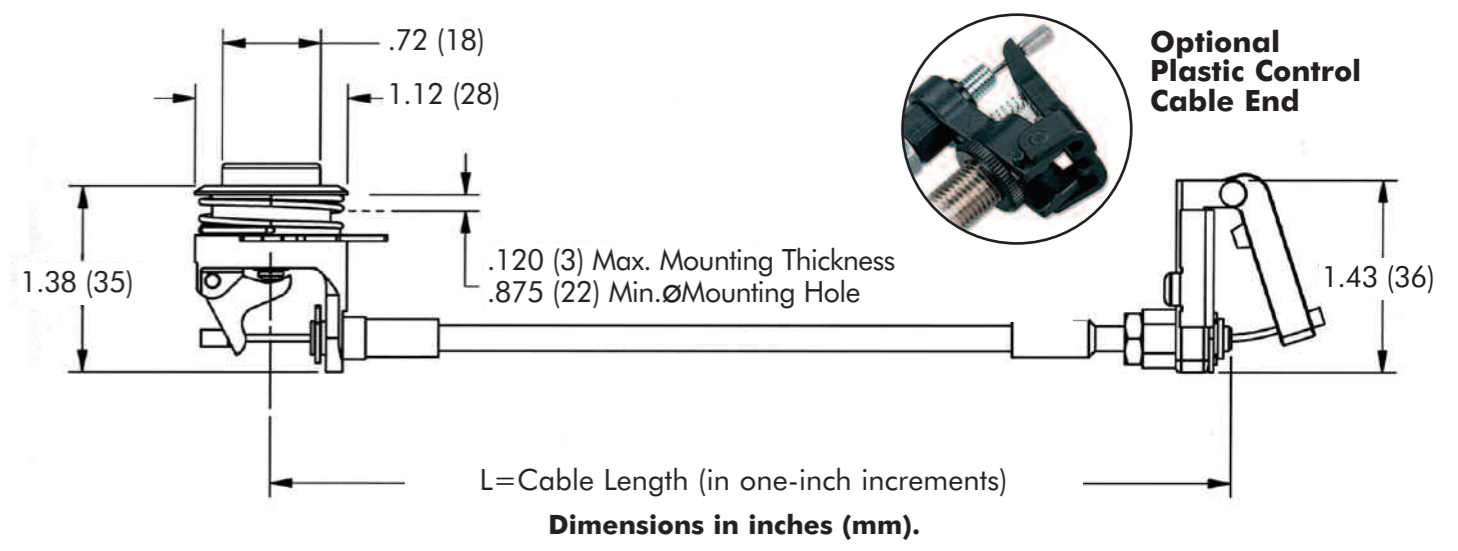- Operational life expectancy 50,000 cycles

UltraLOC® Engineering Data

A C E
ØD ØF ØB

Technical Specifications*

	DIMENSIONS						SPRING FORCE			FORCE/LOAD			
	Minimum Extended A	Maximum Extended A	Stroke	Diameter B	Dimension C	Diameter D	Minimum Preload E	Maximum Preload F	Minimum Endload	Maximum Endload	Override Force	Ultimate Tensile Load	Ultimate Compressive Load	Force Required to Unlock
UltraLOC® Model	Dimensions in inches (mm).								Dimensions in pounds (N).					
Economy Class														
UL06 UL10 UL12	6.38 (162,1)	12.00 (304,8)	1.25 (31,8)	1.12 (28,7)	1.13 (28,7)	1.38 (35,1)	.75 (19,1)	80 (356)	125 (556)	120 (534)	200 (890)	70 (312)	3,200 (14 240)	5,000 (22 250)	6 (27)
Premium Class														
UL18	8.40 (213,4)	14.00 (355,6)	1.25 (31,8)	1.80 (45,7)	1.13 (28,7)	1.50 (38,1)	.75 (19,1)	80 (356)	125 (556)	120 (534)	200 (890)	70 (312)	3,200 (14 240)	5,000 (22 250)	6 (27)
Executive Class														
UL32	11.90 (302,3)	–	1.47 (37,3)	3.20 (81,0)	1.47 (37,3)	1.20 (30,5)	.75 (19,1)	95 (423)	-	140 (623)	-	60 (267)	4,500 (20 025)	4,000 (17 800)	6 (27)
UL37	13.50 (342,9)	–	1.75 (44,5)	3.70 (94,5)	1.75 (44,5)	1.20 (30,5)	.75 (19,1)	145 (645)	-	220 (979)	-	60 (267)	8,000 (35 600)	5,000 (22 250)	6 (27)

RECOMMENDED TEMPERATURE RANGES

| Operating	Non-Operating	Storage
40 to 130°F (5 to 55°C)	0 to 140°F (-18 to 60°C)	-40 to 180°F (-40 to 82°C)

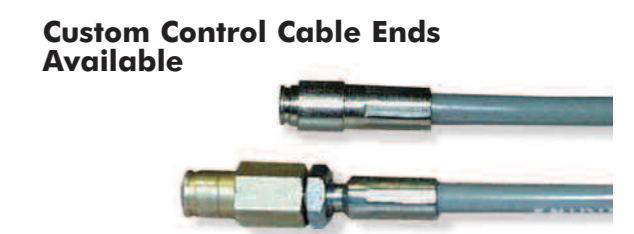* Custom designs available to suit any application need.

Patented Stroke Adjustment

UNLOCK COVER Push Forward Toward Threaded Shaft

ROTATE COVER Turn Counter Clockwise Until Reaching Positive Stop

SELECT STROKE Grasp Tabs And Slide Until Aligned With Desired Stroke Setting

ENGAGE STROKE Rotate Cover And Tabs Clockwise.

AUTOMATIC LOCK Cover Snaps Into Place Automatically

LOCKOUT FEATURE Install Strap in Cover Groove to Prevent Lockout Adjustment

Control Cables

.72 (18)
1.12 (28)
1.38 (35)
.120 (3) Max. Mounting Thickness
.875 (22) Min.ØMounting Hole

Optional Plastic Control Cable End

1.43 (36)

L=Cable Length (in one-inch increments)

Dimensions in inches (mm).

UltraLOC® Accessories/Options
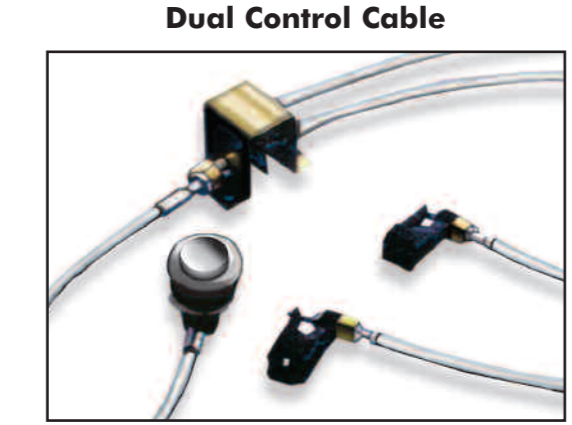
Dual Control Cable

Custom Control Cable Ends Available

Custom Clevis Ends Available

Custom Design Options Available to Suit Any Application Needs

QuikLOC™ Options