

# Hydroloks® and Control Cables



## The Standard for Seat Recline & Control

The industry-standard Hydrolok delivers an infinite range of adjustment options, with the longest lifespan, for the lowest total cost of ownership.

- **Infinite adjustment capability** – Can go on any seat in the aircraft regardless of allowable recline; allows changes during a cabin reconfiguration or seat refurbishment
- **Longest service life** – Designed and tested for 250,000+ cycles for maximum reliability, with the longest standard warranty in the industry
- **Lowest total cost of ownership** – Lifetime savings on labor, repair and replacement costs over both gas and other hydraulic locks
- **Quick and easy installation** – Drop-in replacement for almost all recline locks in service saves time and labor
- **Industry-standard Control Cables** – Dependable push-button Control Cables offer low friction with minimal stretch and low button force for ease of operation
- **More miles flown** – Over 500,000 Hydroloks and more than 1 million AC/MC Series Control Cables sold

## History of Excellence

**Compact AA Hydrolok®** – Completely interchangeable with most gas lock applications, the compact AA design is comparable to gas locks in size, weight, and cost yet boasts up to three times the reliability. AA Hydroloks require virtually no maintenance.

**AL Hydrolok®** – Certified drop-in replacement for HV, HL and UL10 locks. Infinite adjustment of the lock for multiple seat pitch settings.



## AL Hydrolok® Series



### AL Standard Features

- Aluminum impact extruded cylinder
- Integral clevis attachment end
- 4130 steel chrome plated piston
- Proprietary hydraulic seal technology
- Anodized protective finish
- Continuous fluid compensation
- Tamper proof stroke adjustment
- Lockout setting
- Rigid locking at any position

### Optional Features

- Blade attachment end
- Custom attachment ends/lengths

### Performance Specifications

Override force .....70 lbs. (311 N)  
 Button force .....4 lbs. (14 N)  
 Compression load .....3000 lbs. (13.3 kN)  
 Tensile load .....3000 lbs. (13.3 kN)  
 Proof load .....1500 lbs. (6.6 kN)  
 Nominal weight .....9 oz. (255 g)  
 Speed to extend .....4 sec. nominal  
 Operational life .....250,000 cycles

### Mounting length

6.1-9.8 in. (155-249 mm)

### Available stroke

0-1.380 in. (0-35.05 mm)

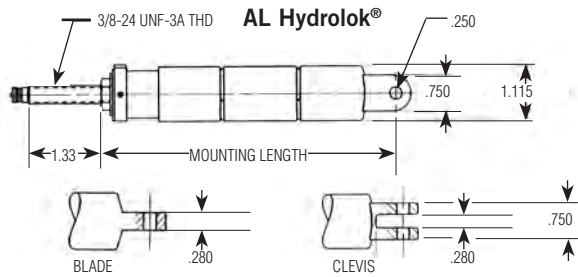
### Output force compressed\*

95-120 lbs. (423-534 N)  
 105-140 lbs. (467-623 N)  
 135-145 lbs. (600-645 N)

### Output force extended\*

65-80 lbs. (289-356 N)  
 65-85 lbs. (289-378 N)  
 70-80 lbs. (311-356 N)  
 75-80 lbs. (334-356 N)

\* Varies with mounting length



## HL & HV Hydrolok® Series



### HL & HV Series

### Standard Features

- Machined aluminum cylinder
- Machined clevis attachment end
- 4130 steel chrome plated piston
- Proprietary hydraulic seal technology
- Anodized protective finish
- Automatic fluid replenishment
- Tamper proof stroke adjustment
- Lockout setting
- Rigid locking at any position

### Optional Features

- Blade attachment end
- Custom attachment ends/lengths

### Performance Specifications

Override force .....70 lbs. (311 N)  
 Button force .....4 lbs. (14 N)  
 Compression load .....3000 lbs. (13.3 kN)  
 Tensile load .....3000 lbs. (13.3 kN)  
 Proof load .....1500 lbs. (6.6 kN)  
 Nominal weight .....9 oz. (255 g)  
 Speed to extend .....4 sec. nominal  
 Operational life .....250,000 cycles

### Mounting length

6.1-9.8 in. (155-249 mm)

### Available stroke

0-3.19 in. (0-35.30 mm)

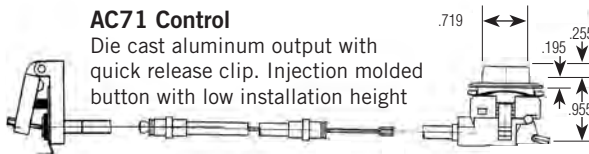
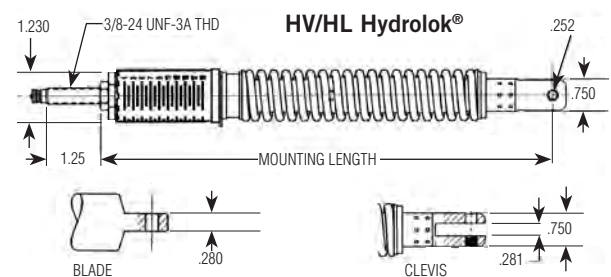
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\* Varies with mounting length

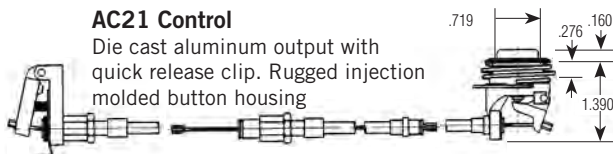


### AC71 Control

Die cast aluminum output with quick release clip. Injection molded button with low installation height

### AC Control Standard Features

- Kink-resistant, non-stretch cable
- Spring steel anti-abrasion conduit
- Anodized finish button and bezel
- FAA 14 CFR 25.853 compliant



### AC21 Control

Die cast aluminum output with quick release clip. Rugged injection molded button housing

