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 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 & 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

HOW IT WORKS

The cylinder-and-piston design of the Hydrolok® uses an integral valve and porting system. This design gives passengers a smooth reclining motion by creating a controlled flow of hydraulic fluid from one side of the piston to the other.

All Hydroloks use Crane A&E proprietary hydraulic seal technology to prevent leaks and increase the life of the system. Hydroloks also have an auxiliary reservoir chamber that replenishes the very small amount of hydraulic fluid used with each passenger input. This assures consistent operation and long cycle life for operators.

MARKETS/APPLICATIONS

Aircraft:
- Main Cabin Seating
- Pilot and Crew Seats
- Storage Bins
- Crew Rest Modules
- Elevator and Door Actuation

Transportation:
- Passenger Rail
- Charter / VIP and Public Buses
- Ferries
**HG HYDROLOK® SERIES**

- **Features**:
  - Extremely lightweight: as low as 0.28 lbs. (129 g)
  - Bolt-in-class ultimate load of 4,000 lb (1,814 kN)
  - Infinite adjustment capability
  - Overdrive safety feature
  - Adjustable stroke
  - Integral attachment end
  - 4130 chrome- plated piston
  - Anodized protective finish
  - Continuous fluid compensation

- **HG Hydrolok®**
  - Rigid locking at any position
  - Lockout setting
  - Tamper proof stroke adjustment
  - Anodized protective finish
  - Continuous fluid compensation

- **Performance Specifications**
  - Button force: 6-12 lb (26.7-53.7 N)
  - Ultimate compressive load: 4,500 lb (20,144 N)
  - Ultimate tensile load: 4,000 lb (17,793 N)
  - Operating load: 1,000 lb (4,444 N)
  - Speed to extend: 0.3-0.6 sec/in. of stroke
  - Operational life: 250,000 cycles

- **Mounting Length**
  - 6.1–9.8 in. (155–249 mm)

**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 ends
  - Custom attachment lengths

- **Performance Specifications**
  - Stroke: 0–1.380 in. (0–35.05 mm)

**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
  - Continuous fluid compensation
  - Automatic fluid replenishment
  - Tamper proof stroke adjustment
  - Lockout setting
  - Rigid locking at any position

- **Optional Features**
  - Blade attachment ends
  - Custom attachment ends/lengths

- **Performance Specifications**
  - Stroke: 0–1.380 in. (0–35.05 mm)

**HISTORY OF EXCELLENCE**

Compact AA Hydrolok® – Completely interchangeable with most gas lock applications. The compact AA design is compatible to gas locks in size, weight and cost yet boasts up to three times the reliability. AA Hydrolocks 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.

**CONTROL CABLES**

- **AC21 Control Standard Features**
  - Kink-resistant, non-abrasion 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