

Компактные приводы HLA/HLAS

Технические характеристики



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Double-acting and single-acting hydraulic linear actuators for on-off and regulating service.

General Application

HLA/HLDA, HLAS/HLDAS hydraulic actuators are designed for the control of gate, globe and all other linear valves.

Technical Data

Design pressure:	350 barg
Supply medium:	Mineral oil or synthetic fluids
Output thrust:	
HLA/HLDA:	Double-acting thrust up to 8,000,000 N
HLAS/HLDAS:	Spring ending thrust up to 350,000 N Spring starting thrust 530,000 N
Ambient temperature:	From -60 °C to 100 °C

Approvals

Safety integrity level:

IEC61508 -1 ÷ 7 2010

Suitable for use in SIL 3 applications

Area classifications:

(ATEX) II2GD 135 (T4)

Enclosure standard:

(IEC60529)-IP67M ANSI/NEMA250 NEMA 4-4X-6

Pressure equipment directive:

PED 2014/68/EU

Machinery directive:

2006/42/EC

Features

- Electroless nickel plated and polished cylinder for corrosion resistance and minimal friction.
- Hard chromium plated and polished piston rod in stainless steel for corrosion resistance and minimum friction.
- Piston rod support bushing in bronze with sintered PTFE provides minimal friction and extended service life.
- HLAS totally enclosed spring cartridge ensures personnel safety during assembly or disassembly.
- Compact design available to allow space footprint reduction without reducing requested thrust value.
- Fabricated carbon steel adapter spool with accessories provision designed specifically for adaptation to any type of valve.
- Accept an extensive range of accessories:
 - Complete control panel
 - Emergency tank
 - Manual handpump
 - PST device
 - Regulating device (ECU1000)
- Special coatings for offshore or corrosive environments.
- Special versions with built-in dump valve and damper for 'quick spring operation'.
- Double cylinder available to increase output capability.
- Housing in painted carbon steel.
- Spool in painted carbon steel or unpainted SS316 as option.

Sectional Drawings

Figure 1. HLA double-acting

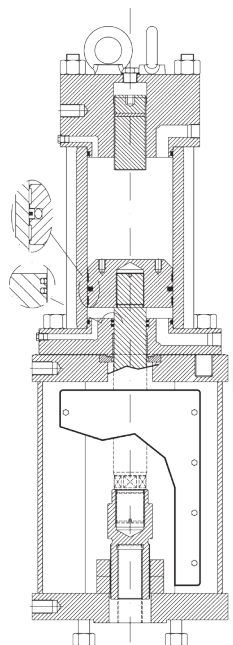
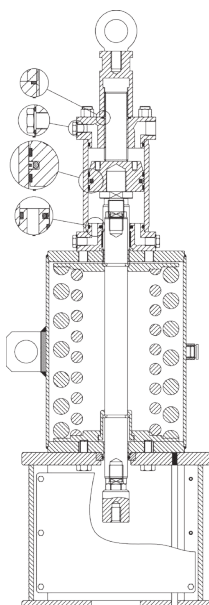


Figure 2. HLAS spring-return



Applications

Figure 3. High thrust capability solution



Figure 4. Compact design linear actuator



NOTE:
Dimensions are according to requested valve stroke and thrust.

Selection Guide

Hydraulic Double-Acting Actuator

Example:	HLA	250 k	135	300	MHP
HLA	Actuator series				
250 k	Max. allowable thrust (N)				
135	Cylinder diameter (mm)				
300	Stroke (mm)				
MHP	Manual override				

Hydraulic Double Cylinder Double-Acting Actuator

Example:	HLDA	250 k	135	300	MHP
HLDA	Actuator series				
250 k	Max. allowable thrust (N)				
135	Cylinder diameter (mm)				
300	Stroke (mm)				
MHP	Manual override				

Hydraulic Spring-Return Actuator

Example:	HLAS	250 k	135	100 k	CL	300	MHP
HLAS	Actuator series						
250 k	Max. allowable thrust (N)						
135	Cylinder diameter (mm)						
100 k	Spring ending thrust (N)						
CL	Spring action						
300	Stroke (mm)						
MHP	Manual override						

Hydraulic Compact Spring-Return Actuator

Example:	HLASC	250 k	135	100 k	CL	300	MHP
HLASC	Actuator series						
250 k	Max. allowable thrust (N)						
135	Cylinder diameter (mm)						
100 k	Spring ending thrust (N)						
CL	Spring action						
300	Stroke (mm)						
MHP	Manual override						

Hydraulic Double Cylinder Spring-Return Actuator

Example:	HLDAS	250 k	135	300	MHP
HLDAS	Actuator series				
250 k	Max. allowable thrust (N)				
135	Cylinder diameter (mm)				
300	Stroke (mm)				
MHP	Manual override				

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