



SHA/D

Hydraulic 1/4 Turn Double Acting Actuator

120Nm - 15700Nm

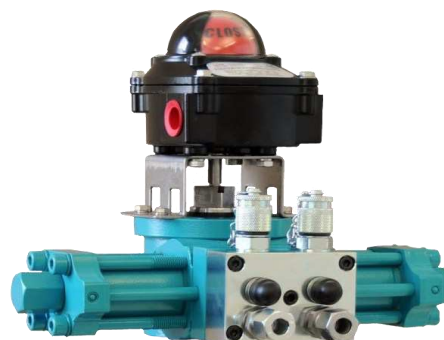


Image shown with optional limit switch

The SHA/D double-acting hydraulic actuator is engineered for stringent applications, providing a large range of output torques to facilitate comprehensive valve automation solutions. It is specifically designed for the quarter-turn automation of ball, butterfly, plug valves, and dampers.

These hydraulic actuators are particularly suited for marine applications and adhere to all standards mandated by leading classification societies.

Approvals, Features & Benefits

- Base to ISO 5211 & DIN 3337 standards
- Robust & compact for demanding duties
- Wide range of torques & options to meet the demands of any site specification
- Low cost & maintenance
- Suitable for marine applications

Pressure & Temperature

Hydraulic pressure range:-
6.0 to 10.3 MPa

Temperature range:-
NBR Standard : -20 to 100°C
Viton Option : -20 to 200°C

SPECIFICATIONS

Rotation	90° ±3°
Closing Direction (top view)	Clockwise
Working Pressure	10.3 MPa acc. to DIN EN 15714-4
Connection for control block and hydraulic connection	2 x G1/4
Hydraulic Oil	HLP32 (-10°C to +50°C)
Standard Coating	Primer: 125µm Epoxy - Colour: RAL 7032

MATERIALS

Body Material	Cast Iron (GG25)
Shaft	Stainless Steel (1.4104)
Piston Sealing	NBR (Viton option)

OPTIONS

Set for submerged installation	Electric limit switches IP67, IP68 or Explosion-proof
Proximity switches IP68	Position feedback by volume indicator or pressure switches
Various control blocks	Male stud couplings
Throttle valve for speed control	Throttle valve for speed control
Electro-hydraulic power pack	Round shaft connection on request

See next page for torques and dimensions



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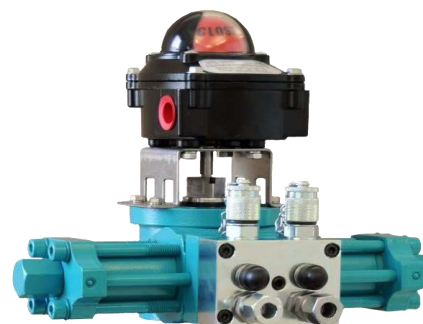


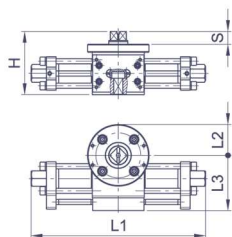
Image shown with optional limit switch

TORQUE & FLANGE MOUNTING

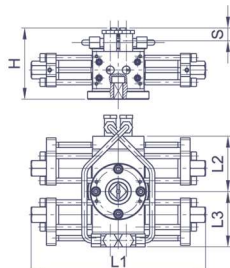
	Control Pressure 10.3MPa (Nm)	Stroke Volume (cm ³)	DIN EN ISO 5211	Square	Maximum Torque (Nm)	Maximum Pressure (MPa)
SHA/D-32	190	36.3	F05 - F07	14* 11 9	125 63 32	6.5 3.3 1.7
SHA/D-40	430	79	F07 - F10 - F12	22* 19 17	400 350 250	9.5 8.3 5.8
SHA/D-63	1000	178.5	F10 - F12 - F14	27* 22 19 17	1000 500 350 250	10.3 5.1 3.6 2.5
SHA/D-70	2000	357	F10 - F12 - F14	36 27* 22	2000 1000 500	10.3 5.1 2.5
SHA/D-80	2600	473	F14 - F16	Machined to order	-	-
SHA/D-160	5200	946	F14 - F16 - F25	Machined to order	-	-
SHA/D-200	15700	2700	F25 - F30 - F40	N/A	-	-

* Standard (not listed dimensions on request)

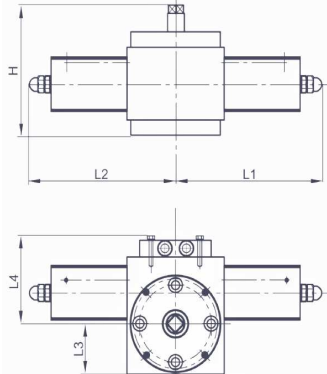
SHA/D 32 to 63



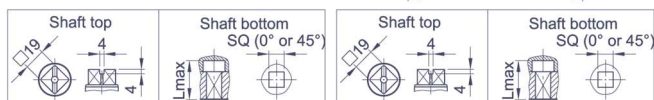
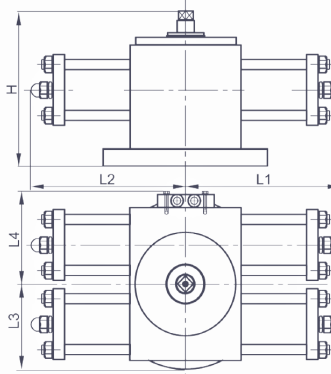
SHA/D 70



SHA/D 80



SHA/D-160 to 200



							Ports		ISO 5211 Mounting									Weight
	L1	L2	L3	L4	H	S	BSP	F05	F07	F10	F12	F14	F16	F25	F30	F40	Kg	
SHA/D-32	272	48	86	-	98.5	20	¼	✓	✓	✗	✗	✗	✗	✗	✗	✗	6.5	
SHA/D-40	342	60	100	-	125	20	¼	✗	✓	✓	✓	✗	✗	✗	✗	✗	11.5	
SHA/D-63	380	87	109	-	132	20	¼	✗	✗	✓	✓	✓	✗	✗	✗	✗	18	
SHA/D-70	380	111	111	-	132	20	¼	✗	✗	✓	✓	✓	✗	✗	✗	✗	28	
SHA/D-80	275	275	90	160	260	-	¼	✗	✗	✗	✗	◆◆	◆◆	✗	✗	✗	901	
SHA/D-160	275	275	145	170	263	-	¼	✗	✗	✗	✗	◆◆	◆◆	◆◆	✗	✗	140	
SHA/D-200	264	264	198	228	402	-	¼	✗	✗	✗	✗	✗	✗	◆◆	◆◆	◆◆	400	

◆ Optional on request ◆◆ Specify when ordering