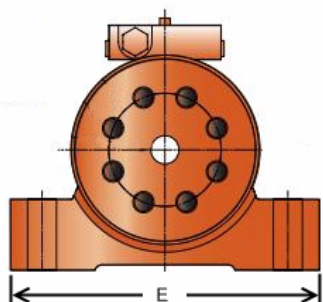
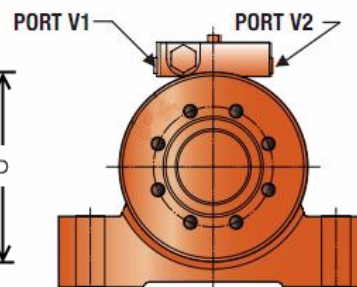
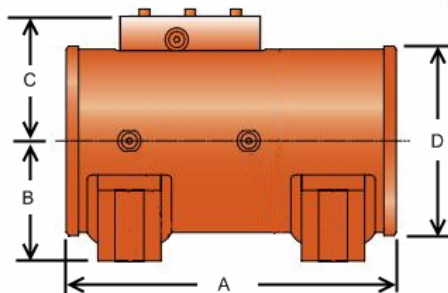


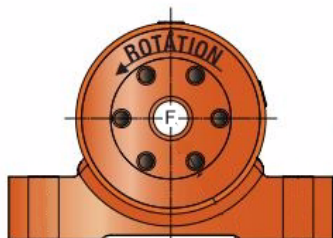
L20 Series - Foot Mounted Models 180° Rotation



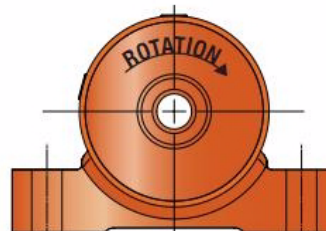
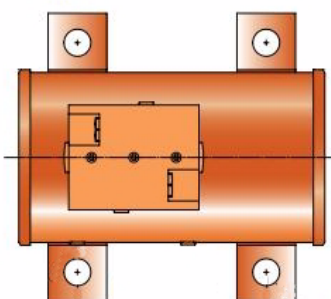
L20-25, 39 Flange End



L20-25, 39 Endcap



L20-4.5, 8.2, 15 Flange End



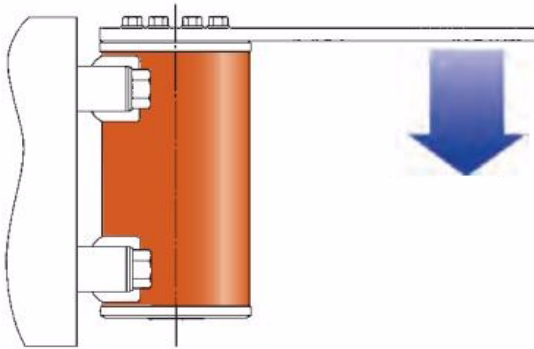
L20-4.5, 8.2, 15 Endcap

The L20 Series is a cost effective solution that can easily be designed into a wide range of applications. It features versatile mounting options and flange output. Helac's helical sliding spline technology is not self-locking and provides high shock resistance and high holding torque for demanding applications. Functioning as a rotating device, mounting bracket and load bearing structure, the L20 Series eliminates the need for external bearing systems, brakes or locking devices. Five standard sizes with torque outputs up to 39,000 in/lbs at 3000 psi (4400Nm at 210 bar) are available.

NB: Custom rotation limits available on request

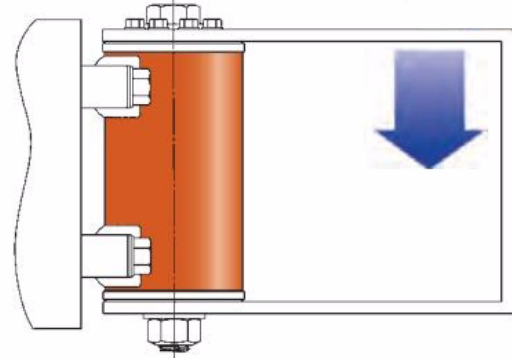
Description	Units	Size				
		4.5	8.2	15	25	39
Drive Torque @ 210 bar	in/lbs	4500	8200	15000	25000	39000
	Nm	508	930	1690	2940	4400
Holding Torque	in/lbs	11800	21100	38720	62900	93200
	Nm	1300	2400	4400	7100	11000
Max. Moment Cap. Cantilever	in/lbs	12000	22000	48000	100000	140000
	Nm	1360	2485	5540	11000	16000
Max. Moment Cap. Straddle	in/lbs	22500	40000	90000	145000	280000
	Nm	2500	4500	10200	16400	31600
Max. Radial Force	kg	1380	2160	4190	5580	9570
Max. Axial thrust	kg	500	680	1000	1410	1770
Displacement 180°	cc	132	234	435	725	1076
Approx. Weight 180°	kg	12.7	17.2	30.40	52.20	77.60
Dim. A	mm	188	216	248	298	337
Dim. B	mm	66	76	86	108	121
Dim. C	mm	80	87	99	112	125
Dim. D	mm	104	117	142	170	196
Dim. E	mm	178	191	248	279	330

L20 Series - Foot Mounted Models 180° Rotation



Cantilever Mounting --S1 Option

The load is bolt mounted to the torque flange and only supported at one end of the shaft. Cantilever mounting is never recommended for aerial work platforms or other critical and safety related applications.



Straddle Mounting - S2 Option

The load is supported at both ends of the shaft. For sizes 4.5, 8.2 and 15 the upper portion of the bracket is bolted to the torque flange, whereas the lower portion is secured by a tie rod passed through the shaft bore. For sizes 25 & 39 the bracket is bolted at both ends.

Part No.	Torque in/lbs 210 bar	Degrees Rotation
L20-4.5-M-FT-180-S1OH	4500	180
L20-8.2-M-FT-180-S1OH	8200	180
L20-15-M-FT-180-S1OH	15000	180
L20-25-M-FT-180-S2OH	25000	180
L20-39-M-FT-180-S2OH	39000	180

Typical Model Code

L20 - 4.5 - E - FT - 180/120 - S1 - C - H

1 2 3 4 5 6 7 8 9

- | | |
|---|---|
| <ul style="list-style-type: none"> 1 L20 Actuator Series 2 Torque Output (in-lbs x 1000)
4.5 8.2 15 25 39 3 Measurement System
E English System
M Metric System
S Special Custom Design 4 Housing Configuration
FT Foot Mount 5 Standard Rotation
180 180 Degrees | <ul style="list-style-type: none"> 6 Special Rotations
(Standard design with internal stop tube to limit rotation - indicates final rotation) 7 Shaft Configuration
S1 Cantilever Mounted Shaft Option
S2 Straddle Mounted Shaft Option 8 Valve Options
C With Counterbalance Valve
O Without Counterbalance Valve 9 Seals
H Standard Seals & Bearings
S Special Seals & Bearings |
|---|---|