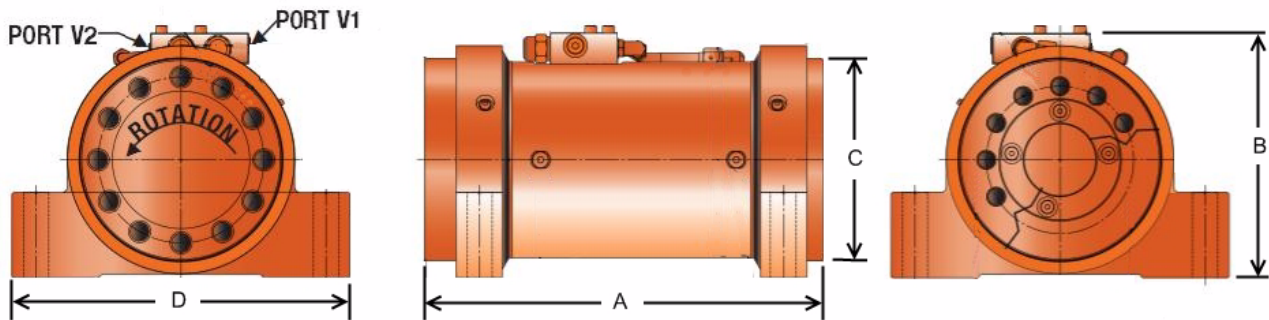


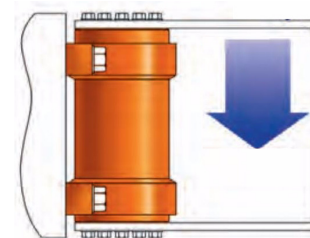
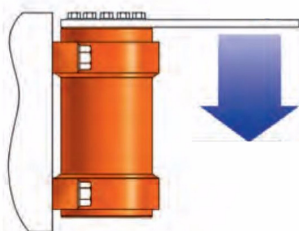
L30 Series - Foot Mounted Models - Heavy Duty



The L30 Series is our heavy duty helical hydraulic actuator that is suitable for harsh environments. Designed for applications that require ultra high bearing capacity, the L30 Series features foot or flange mount with 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 L30 Series eliminates the need for external bearing systems, brakes or locking devices. Nine standard sizes with torque outputs up to 380,000 in/lbs at 3000 psi (43,000 Nm at 210 bar) are available.

NB: Custom rotation limits available on request

Description	Units	Size								
		17	25	42	65	95	125	165	215	380*
Drive Torque @ 210 bar	in/lbs	17000	25000	42000	65000	95000	125000	165000	215000	380000
	Nm	1900	2800	4700	7900	11000	14000	19000	24000	43000
Holding Torque	in/lbs	43600	60400	103000	162000	232000	306000	404000	520000	936000
	Nm	4900	6800	12000	18000	26000	35000	46000	58000	110000
Max. Moment Cap. Straddle	in/lbs	119000	150000	273000	423000	665000	875000	1155000	1505000	1505000
	Nm	13400	16900	30800	47800	75100	98900	130000	170000	170000
Max. Moment Cap. Cantilever		45900	62500	105000	162500	261250	343750	495000	645000	570000
		5200	7100	11900	18400	29500	38800	55900	72900	64400
Max. Radial Force	kg	1800	2300	3600	5000	6800	8200	10000	12000	12000
Max. Axial thrust	kg	1400	1800	2700	3600	4500	5900	6800	8200	8200
Displacement 180°	cc	488	696	1180	1870	2680	3540	4660	6000	10200
Displacement 360°	cc	977	1390	2370	3740	5360	7080	9320	1200	-
Approx. Wt 180°	kg	35	48	74	110	160	220	280	360	480
Approx. Wt 360°	kg	47	64	99	140	200	290	370	480	-
Dim. A 180°	mm	298	323	365	413	475	524	551	600	906
Dim. A 360°	mm	427	470	538	615	705	776	836	906	-
Dim. B	mm	179	201	226	253	284	310	334	366	366
Dim. C	mm	139	155	183	209	234	263	288	310	310
Dim. D	mm	222	268	310	350	400	447	484	530	530



Cantilever Mount _ S1 Option

The Load is bolt mounted to the shaft flange and is supported at only one end of the shaft. Cantilever mounting is never recommended for aerial work platforms or other critical and safety related applications. The S1 option is designed for cantilever mount loading.

Straddle Mount - S2 Option

The load is supported at both ends of the shaft. The upper portion of the bracket is bolted to the shaft flange, the lower portion is bolted to the endcap flange. The S2 option is designed for straddle mount loading.

L30 Series - Foot Mounted Models - Heavy Duty 180° & 360° Rotation

NB: The below part numbers apply to the Cantilever Mount. For Straddle Mount, replace S1 with S2 in the part number.

Part No. (180°models)	Torque in/lbs 210 bar	Degrees Rotation
L30-17-M-FT-180-S1OH	17000	180
L30-25-M-FT-180-S1OH	25000	180
L30-42-M-FT-180-S1OH	42000	180
L30-65-M-FT-180-S1OH	65000	180
L30-95-M-FT-180-S1OH	95000	180
L30-125-M-FT-180-S1OH	125000	180
L30-165-M-FT-180-S1OH	165000	180
L30-215-M-FT-180-S1OH	215000	180
L30-380-M-FT-210-S1OH	215000	180
360° models		
L30-17-M-FT-360-S1OH	17000	360
L30-25-M-FT-360-S1OH	25000	360
L30-42-M-FT-360-S1OH	42000	360
L30-65-M-FT-360-S1OH	65000	360
L30-95-M-FT-360-S1OH	95000	360
L30-125-M-FT-360-S1OH	125000	360
L30-165-M-FT-360-S1OH	165000	360
L30-215-M-FT-360-S1OH	215000	360

Typical Model Code

L30 - 17 - E - FT - 180/120 - S1 - C - H

123456789

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 L30 Actuator Series 2 Torque Output (in-lbs x 1000)
17 25 42 65 95 125 165 215 380 3 Measurement System
E English System
M Metric System
S Special Custom Design 4 Housing Configuration
FT Foot Mount
FF Front Flange 5 Standard Rotation
180 180 Degrees
360 360 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 |
|--|---|

* Available in select models only.