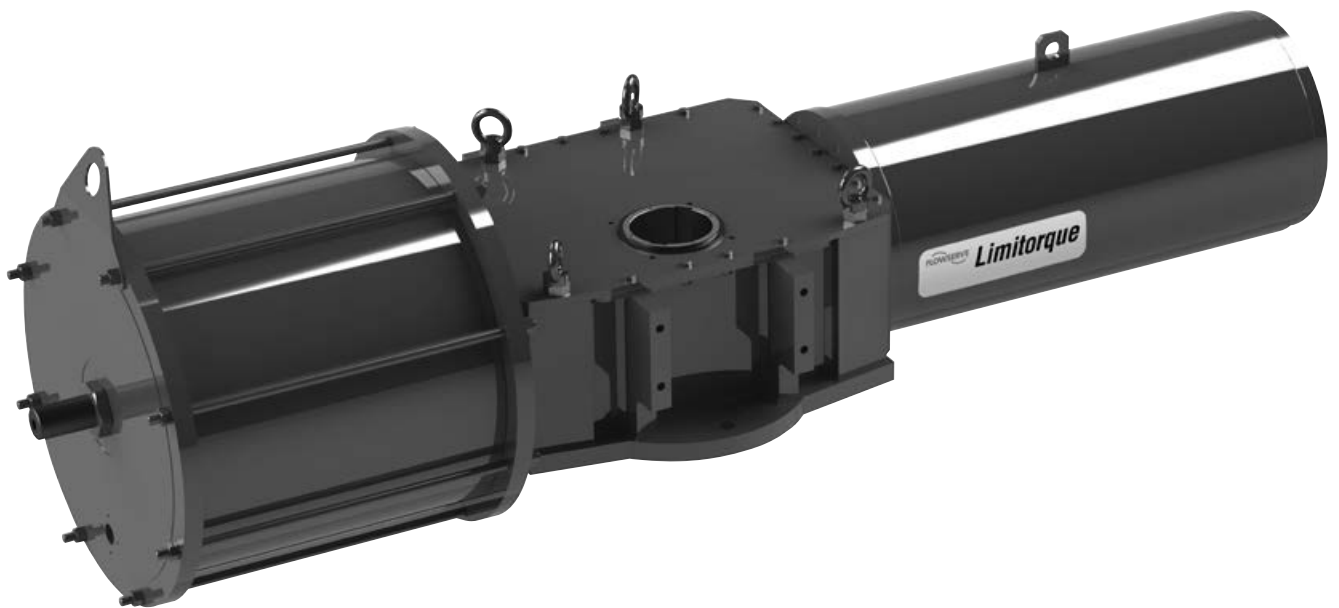


LPS Series Heavy-Duty Actuators

FCD LMENTB0001-00 – 12/13



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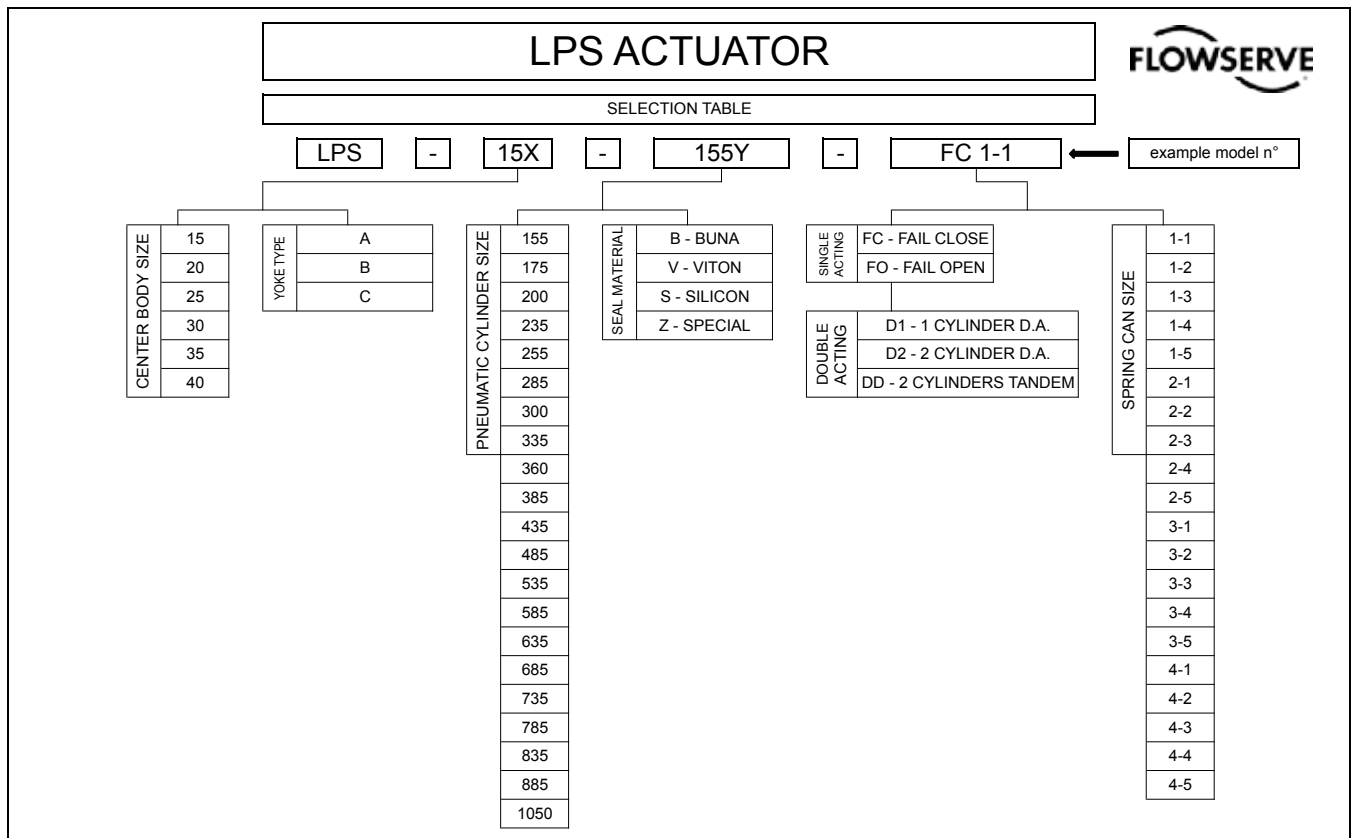
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LPS Series Heavy-Duty Actuator Specifications

1. The LPS series of heavy-duty scotch yoke Actuators feature enhanced performance to meet or exceed the most rigorous design and testing standards used today in General Service, Protective Service and Safety Integrated Systems (SIS).
2. Fully modular design enables field serviceability, including fail-safe reversibility, configuration changes and fitment of manual overrides/accessories.
3. The standard output interface, in compliance with **ISO 5211** Standards or **MSS SP-101**, as an option. Consideration has been given to the addition of supplemental devices to retain valve-to-actuator alignment (fitted bolts or dowel pins).
4. Testing and endurance are in compliance with **EN 15714-3** and **ISO 12490**.
5. Spring components are designed in compliance with **EN 13906-1**.
6. Surface coating and corrosion protection in compliance with **ISO 12944-2** up to and including **C5-M** if requested.
7. Environmental resistance has been certified to meet or exceed the requirements of **IEC 60529** up to and including **IP-67M**.
8. The LPS actuator is suitable for use in Safety Integrated Systems in accordance with **IEC 61508** up to and including **SIL Level 3**.
9. The actuators in the LPS series meet the requirements of **ISO 5599-2**.
10. LPS actuators are available in accordance with **ATEX 94/9/EC** standard as it relates to mechanical actuators.
11. Actuators are available in compliance with **NACE specification MR0175** for corrosion resistance in Sour Oilfield Environments.
12. Shaft-driven accessories/devices are directly mounted to **VDE VDI 3845 NAMUR** compliant mounting locations.
13. The actuator is manufactured and tested in compliance with an **ISO 9001** Quality Assurance Program.
14. Integral travel stops provide **90°±5°** of output rotation adjustment and are designed for the **MAWP** of the actuator up to **12 bar (174 psi)**.
15. The materials of construction and seals of the LPS family of actuators are available for a wide range of service temperatures, including **Tropical, Arid, Temperate, Cold and Polar** regions in accordance with **IEC 60721**.
16. The pressure module design features proven and reliable external tie rods suitable for continuous duty service at the maximum rated pressure. Wear and corrosion protection of all components is ensured with suitable treatments and coatings. **ENP** (electroless nickel plating) is the standard for the I.D. of the pressure module to ensure complete sealing and superior corrosion resistance. Other coatings for the cylinder I.D. are available upon request. The LPS actuator cylinders are capable of being independently tested prior to assembly.
17. Pressure modules are available in compliance with:
 - a. **Pressure Equipment Directive 97/23/EC**
 - b. **ASME BPVC Sec. VIII, Div. 1**
 - c. **EN 13445-3, Part 3 for Unfired Pressure Vessels**
18. All actuators and modules meet acceptance criteria defined by Flowserve test specifications.
19. The actuator is provided with two full-length key slots in the yoke suitable for mounting in alternate orientations (horizontally or vertically – parallel or perpendicular to the piping system).
20. The LPS is available with either a symmetric or canted yoke. The standard yoke cant is 15. However, yoke cants are available from 1° to 15° upon request, depending on application.
21. All modules align and mate with close-tolerance machined flanges with no exposed threaded connections.
22. The high-strength, heat-treated alloy steel guide bar is hard chrome plated for wear and corrosion protection.
23. Piston rods are designed to handle lateral loads to effectively minimize deflection. The piston rod is detachable from the torque module without special tools and does not require module disassembly.
24. Pressure seals utilize O-rings, quad-rings or V-rings as appropriate to eliminate environmental ingress. No gaskets are used in pressurized regions of the actuator.
25. The push-to-compress springs are safely enclosed and welded and are positively retained on the torque module under all load conditions. No external tie rods/braces are required to contain the springs. Springs are designed in accordance with **EN 13906-1** and combined and positioned to eliminate potential contact with the container or each other in the case of multiple springs. Springs are shot peened for maximum life and are painted and permanently lubricated coated prior to assembly to eliminate corrosion.

- 26. The spring and spring guide are self-centered and bearing guided within the spring module. The spring rod is guided in a self-lubricating bearing and connected to the torque module through a large pinned connection designed for safe operation at all load conditions. Installation and removal of the spring module does not require special tools.
- 27. Maintenance-free, self-lubricating bearings are used to minimize friction of the yoke, yoke-pins and slider blocks in the yoke slots for low friction and to minimize contact stresses in order to provide the longest possible service life.
- 28. Retention of the yoke pin is by a single plate to permit easy removal of the yoke pin and slider blocks while the actuator is mounted in the valve. No specialized tools are required.
- 29. A full range of range of accessories is available for the LPS actuator, including manual or geared overrides or hydraulic overrides. These options may be ordered pre-mounted to the actuator when delivered from Limatorque or may be easily added in the field.

Actuator Selection Table



Actuator Selection Guidance

1. Scope

This section provides guidance for the selection of the proper LPS actuator to suit specific operational requirements. A basic understanding of scotch yoke actuators and the typical applications in which they are used is provided in order to assist in selection of the most suitable actuator. While the selection procedures and product data contained

herein cover many applications, due to the wide range of applications in which the LPS actuators can be used, this information will not cover every set of operational requirements. The Limitorque applications team is always available to assess specific applications and help with selection of the appropriate LPS actuator. Please contact your local office for assistance.

2. General Definitions/Terms Used

Quarter-turn	A device that rotates by a nominal 90°. LPS series actuators rotate $\pm 5^\circ$ more than the nominal 90°.
Position	The degree of rotation describing an actuator's current location, the zero being referred from complete counter-clockwise position of the yoke. The mid-position of the actuator is at 45° and 90° being the end of clockwise stroke.
CW	Clockwise rotation.
CCW	Counter-clockwise rotation.
Stroke	A continuous, 90° rotation of a quarter-turn actuator.
Cycle	Two strokes, one clockwise (CW) rotation and other counter-clockwise (CCW) rotation, constitute one cycle of operation of the actuator.
Safety Factor	A factor multiplied by the valve's basic required torque value to increase the amount of torque required to meet safety requirements in a given application. When the valve's torque requirements are not known with certainty, or due to other application demands, use of a safety factor is required in the selection process in order to meet the worst-case torque requirements.
Pneumatic Break Torque	Output torque when the actuator is in the position to start the pressure stroke. [The torque required to initiate the pressure stroke.]
Pneumatic End Torque	Output torque at the end limit of the pressure stroke. [The torque required to seat the valve at the end of the pressure stroke.]
Run Torque	The output torque seen while the actuator is in the mid-position of the pressure stroke (45°). For symmetrical yoke double-acting actuators, this is the minimum torque output seen during operation.
Spring Break Torque	The output torque when the actuator is in the position to start the spring stroke. [The torque required to initiate the spring stroke.] The spring is fully compressed at this position and renders the maximum spring force.
Spring End Torque	The output torque when the actuator has reached the end limit of spring stroke. [The torque required to seat the valve at the end of the spring stroke.] The spring is fully extended at this position and renders the minimum spring force.
Minimum Torque	The output torque at an intermediate position of the spring stroke, where the torque output of the actuator is at its lowest value.
MOP	Maximum operating pressure for an actuator

3. Inputs for Sizing Pneumatic Scotch Yoke Actuators

The following items must be determined in order to properly size an LPS actuator for a given application.

1. The maximum unseating torque and the positions/directions of high-torque requirements of the valve for which the actuator is being sized. The valve data sheet provided by the valve manufacturer contains this information.
2. The maximum allowable stem torque of the valve. This value must not be exceeded by the actuator output torque.
3. The type of actuator required, double-acting or spring-return.
4. Minimum and maximum air pressure available to operate the actuator.

4. Selection

The most common application of clockwise rotation to close a valve is considered for these selection examples.

The start to open or pneumatic break torque of the valve is considered the maximum required torque by the valve. An actuator shall exceed the valve torque requirement at all positions of the rotation. The start/end and minimum torque output for a double-acting actuator are given in the charts. For spring-return actuators, the spring and the pneumatic strokes' lowest start/minimum/end output torque values are given in the charts.

4.1. Double-Acting Actuator Selection

- 4.1.1. Select the operating pressure column that is equal to or less than the known minimum operating pressure. Look up the start/end and minimum torque values, under the selected pressure column, that exceed the valve's maximum requirements.
- 4.1.2. Locate the actuator model corresponding to the selection.
- 4.1.3. Refer the performance data table to ensure the maximum supply pressure to the actuator does not exceed the MOP of the actuator.
- 4.1.4. If the maximum supply pressure exceeds the MOP, it may be required to use a pressure-regulating device at the inlet to the actuator or an alternate actuator model may be selected that is rated for a higher MOP.

4.2. Spring-Return, Fail-CW Actuator Selection

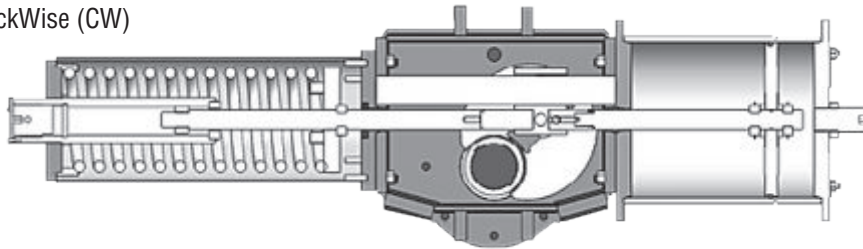
- 4.2.1. From the spring torque column, locate the spring end torque value that exceeds the valve's maximum seating torque requirement.
- 4.2.2. Moving to the right along that row, locate the column corresponding to the minimum operating pressure available to the actuator and read the pressure stroke start torque.
- 4.2.3. The pressure stroke start torque at the minimum pressure must be higher than the valve's unseating torque requirement.
- 4.2.4. The pneumatic end torque must exceed the valve's torque requirement at this stroke end position to open the valve fully in the CCW direction.
- 4.2.5. Refer the performance data table to ensure the maximum supply pressure to the actuator does not exceed the MOP of the actuator.
- 4.2.6. If the maximum supply pressure exceeds the MOP, it may be required to use a pressure-regulating device at the inlet to the actuator or an alternate actuator model may be selected that is rated for a higher MOP.

4.3. Spring-Return, Fail-CCW Actuator Selection

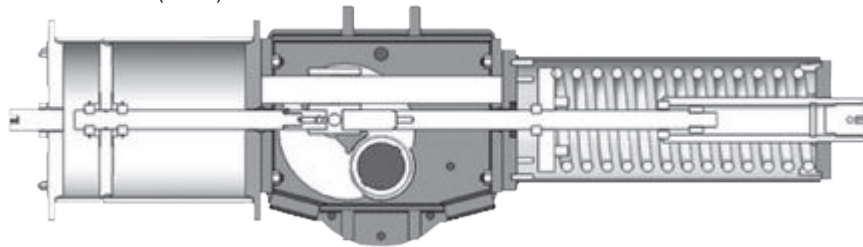
- 4.3.1. From the spring torque column, locate the spring start torque value that exceeds the valve's maximum unseating torque requirement (Fail-Open application).
- 4.3.2. Moving to the right along that row, locate the column corresponding to the minimum operating pressure available to the actuator and read the pressure stroke end torque.
- 4.3.3. The pneumatic end torque at the minimum available pressure must be higher than the valve's seating torque requirement (torque to fully close the valve).
- 4.3.4. The pneumatic start torque must exceed the valve's torque requirement at this position to close the valve in the CW direction.
- 4.3.5. Refer to the performance data table to ensure the maximum supply pressure to the actuator does not exceed the MOP of the actuator.
- 4.3.6. If the maximum supply pressure exceeds the MOP, it may be required to use a pressure-regulating device at the inlet to the actuator or an alternate actuator model may be selected that is rated for a higher MOP.

Figure 1: Spring Container Configurations

Actuator configuration:
Fail Close – Fail ClockWise (CW)



Actuator configuration:
Fail Open – Fail CounterClockWise (CCW)



5. Performance Data

The performance data chart provides the following:

- Volume of air required to stroke the actuator
- Maximum pneumatic pressure (MOP) that can be applied to the actuator
- Maximum allowable working pressure (MAWP) that can be applied to the static actuator at the stroke end (restricted by the travel stops)
- Weight of the actuator

6. Dimensions

The dimensional data presented references the torque module centerline. The overall lengths, the mounting dimension details, the interface dimensions and the tolerances are included as a guide for actuator selection.

7. Disclaimer

This publication is presented for information purposes only, with an effort to ensure the accuracy, the contents are not to be construed as warranties or guarantees, expressed or implied, regarding the products or services described herein or their use or applicability. The right to modify or improve the designs or specifications of our products at any time without notice is reserved.

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted

ACTUATOR MODEL	Output torque @ supply pressure [bar/g (PSI)]																		
	Spring Torque		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		
	Nm (4724)	Nm (2606)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15C-155V-FC1-1	START	534 (4724)	534 (4724)	910 (8057)	1174 (10389)	1437 (12722)	1864 (17387)	2491 (22052)	3038 (26717)	3546 (31381)	4073 (36046)	4600 (40711)	5127 (45376)	5654 (50041)	6181 (55106)	6708 (59771)	7235 (64436)	7762 (69101)	
	45°	294 (2606)	294 (2606)	220 (1946)	311 (2750)	402 (3554)	583 (5163)	765 (6771)	947 (8380)	1129 (9989)	1310 (11597)	1492 (13206)	1674 (14814)	1856 (16423)	2038 (18032)	2220 (19641)	2402 (21250)	2584 (22859)	2766 (24468)
	END	607 (5372)	607 (5372)	228 (2017)	364 (3224)	501 (4430)	773 (6843)	1046 (9256)	1318 (11669)	1591 (14082)	1864 (16495)	2136 (18907)	2409 (21320)	2682 (23733)	2955 (26146)	3228 (28559)	3501 (30972)	3774 (33385)	4047 (35798)
LPS-15C-175V-FC1-1	START	534 (4724)	534 (4724)	1512 (13384)	1876 (16604)	2240 (19824)	2967 (26265)	3695 (32705)	4423 (39146)	5150 (45586)	5878 (52026)	6606 (58466)	7334 (64906)	8062 (71346)	8790 (77786)	9518 (84226)	10246 (90666)	10974 (97106)	11702 (103546)
	45°	294 (2606)	294 (2606)	427 (3782)	553 (4893)	678 (6003)	856 (7580)	1152 (10195)	1447 (12810)	1743 (15425)	2038 (18040)	2334 (20655)	2629 (23270)	2925 (25885)	3220 (28500)	3516 (31115)	3811 (33730)	4107 (36345)	4402 (38960)
	END	607 (5372)	607 (5372)	539 (4772)	727 (6438)	916 (8104)	1292 (11435)	1668 (14766)	2045 (18098)	2421 (21429)	2798 (24760)	3174 (28092)	3551 (31424)	3927 (34756)	4304 (38088)	4680 (41420)	5057 (44752)	5434 (48084)	5810 (51416)
LPS-15C-200V-FC1-1	START	534 (4724)	534 (4724)	1899 (16812)	2328 (20604)	2756 (24396)	3613 (31979)	4470 (39563)	5327 (47146)	6184 (54730)	7041 (62314)	7898 (69898)	8755 (77482)	9612 (85066)	10469 (92650)	11326 (100234)	12183 (107818)	13040 (115402)	13897 (122986)
	45°	294 (2606)	294 (2606)	561 (4965)	709 (6272)	856 (7580)	1152 (10195)	1447 (12810)	1743 (15425)	2038 (18040)	2334 (20655)	2629 (23270)	2925 (25885)	3220 (28500)	3516 (31115)	3811 (33730)	4107 (36345)	4402 (38960)	4700 (41575)
	END	607 (5372)	607 (5372)	740 (6546)	961 (8507)	1183 (10468)	1626 (14391)	2069 (18313)	2512 (22236)	2955 (26159)	3400 (29981)	3844 (34003)	4287 (38025)	4731 (42047)	5174 (45869)	5618 (49691)	6062 (53513)	6505 (57335)	6949 (61157)
LPS-15C-255V-FC1-1	START	534 (4724)	534 (4724)	2005 (17744)	2540 (22480)	3075 (27217)	3610 (31953)	4680 (41426)	5327 (47146)	6184 (54730)	7041 (62314)	7898 (69898)	8755 (77482)	9612 (85066)	10469 (92650)	11326 (100234)	12183 (107818)	13040 (115402)	13897 (122986)
	45°	294 (2606)	294 (2606)	597 (5286)	782 (6919)	966 (8552)	1151 (10186)	1520 (13452)	1889 (16818)	2258 (20084)	2627 (23150)	2996 (26416)	3365 (29682)	3734 (33048)	4103 (36314)	4472 (39580)	4841 (42846)	5210 (46112)	5579 (49378)
	END	607 (5372)	607 (5372)	794 (7028)	1071 (9478)	1348 (11927)	1624 (14377)	2178 (19277)	2732 (24177)	3286 (29077)	3840 (33977)	4394 (39177)	4948 (44077)	5502 (49177)	6056 (53777)	6610 (58577)	7164 (63477)	7718 (68377)	8272 (73277)
LPS-15C-300V-FC1-1	START	534 (4724)	534 (4724)	2294 (20302)	2887 (25550)	3480 (30798)	4073 (36046)	5258 (46542)	5851 (51938)	6708 (59534)	7565 (67130)	8422 (74726)	9279 (82322)	10136 (89918)	11000 (97514)	11864 (105110)	12728 (112706)	13592 (120302)	14456 (127898)
	45°	294 (2606)	294 (2606)	697 (6168)	901 (7978)	1106 (9787)	1310 (11597)	1719 (15216)	2128 (18835)	2537 (22454)	2946 (26073)	3355 (29692)	3764 (33511)	4173 (37130)	4582 (40749)	4991 (44368)	5400 (47987)	5809 (51606)	6218 (55225)
	END	607 (5372)	607 (5372)	944 (8351)	1250 (11066)	1557 (13780)	1864 (16495)	2477 (21924)	3090 (27451)	3703 (32978)	4316 (38505)	4929 (43632)	5542 (49159)	6155 (54686)	6768 (60213)	7381 (65740)	7994 (71267)	8607 (76794)	9220 (82321)
LPS-15C-355V-FC1-1	START	534 (4724)	534 (4724)	3026 (26782)	3765 (33326)	4505 (39870)	5244 (46414)	6258 (55058)	7041 (62314)	7824 (69568)	8607 (77322)	9390 (84076)	10173 (91330)	10956 (98084)	11739 (104838)	12522 (111592)	13305 (118346)	14088 (125100)	14871 (131854)
	45°	294 (2606)	294 (2606)	949 (8403)	1204 (10659)	1459 (12916)	1714 (15172)	2123 (18831)	2532 (22490)	2941 (25949)	3350 (29508)	3759 (33567)	4168 (37126)	4577 (40685)	4986 (44244)	5395 (47803)	5804 (51362)	6213 (54921)	6622 (58480)
	END	607 (5372)	607 (5372)	1322 (11703)	1705 (15088)	2087 (18472)	2469 (21857)	3092 (27404)	3715 (32951)	4338 (38498)	4961 (44045)	5584 (49592)	6207 (54739)	6830 (60286)	7453 (66533)	8076 (72780)	8700 (78927)	9323 (84974)	9946 (91121)
LPS-15C-360V-FC1-1	START	534 (4724)	534 (4724)	3598 (31848)	4452 (39405)	5306 (46962)	6184 (54730)	7258 (64542)	8136 (72354)	9014 (79166)	9892 (87078)	10770 (95090)	11648 (103102)	12526 (111114)	13404 (119126)	14282 (127138)	15160 (135150)	16038 (143162)	16916 (151174)
	45°	294 (2606)	294 (2606)	1147 (10149)	1441 (12755)	1736 (15361)	2145 (18967)	2554 (22673)	2963 (26180)	3372 (29687)	3781 (33593)	4190 (37100)	4599 (40707)	5008 (44314)	5417 (47921)	5826 (51528)	6235 (55135)	6644 (58742)	7053 (62349)
	END	607 (5372)	607 (5372)	1618 (14323)	2060 (18232)	2501 (22141)	2952 (26150)	3403 (30059)	3854 (34068)	4305 (38177)	4756 (42286)	5207 (46195)	5658 (50304)	6109 (54413)	6560 (58522)	7011 (62631)	7462 (66740)	7913 (70849)	8364 (74958)
LPS-15C-385V-FC1-1	START	534 (4724)	534 (4724)	4212 (37278)	5188 (45921)	6184 (54730)	7041 (62314)	8136 (72354)	9014 (79166)	9892 (87078)	10770 (95090)	11648 (103102)	12526 (111114)	13404 (119126)	14282 (127138)	15160 (135150)	16038 (143162)	16916 (151174)	17794 (159186)
	45°	294 (2606)	294 (2606)	1358 (12022)	1695 (15002)	2032 (18082)	2369 (21062)	2706 (23942)	3043 (26922)	3380 (29902)	3717 (33182)	4054 (36162)	4391 (39142)	4728 (42122)	5065 (45102)	5402 (48082)	5739 (51062)	6076 (54042)	6413 (57022)
	END	607 (5372)	607 (5372)	1936 (17132)	2441 (21602)	2952 (26150)	3463 (30620)	3974 (35290)	4485 (40160)	4996 (44430)	5507 (49100)	6018 (53470)	6529 (58140)	7040 (63010)	7551 (67680)	8062 (72350)	8573 (77020)	9084 (81690)	9595 (86360)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb) Nm (in lb)	Output torque @ supply pressure (barg (psi))											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
LPS-15C-155Y-FC2-1	START	654 (5791)	987 (8734)	1250 (11066)	1777 (15731)	2304 (20396)	2831 (25061)	3358 (29726)	3886 (34391)	4413 (39056)	4940 (43721)	5467 (48386)	
	45°	366 (3235)	232 (2054)	323 (2858)	505 (4467)	686 (6076)	868 (7684)	1050 (9293)	1232 (10901)	1413 (12510)	1595 (14119)	1777 (15727)	
	END	776 (6870)	231 (2045)	367 (3251)	640 (5664)	913 (8077)	1185 (10490)	1458 (12903)	1730 (15316)	2003 (17729)	2276 (20142)	2548 (22554)	
LPS-15C-200Y-FC2-1	START	654 (5791)	1325 (11728)	1689 (14948)	2053 (18169)	2780 (24609)	3508 (31050)	4236 (37490)	4963 (43931)				
	45°	366 (3235)	223 (1976)	349 (3087)	474 (4197)	600 (5308)	728 (6495)	851 (7528)	1101 (9749)	1352 (11970)	1603 (14191)		
	END	776 (6870)	218 (1928)	406 (3594)	606 (5367)	828 (7328)	1050 (9290)	1493 (13212)	1936 (17134)	2379 (21057)			
LPS-15C-235Y-FC2-1	START	654 (5791)	1284 (11365)	1712 (15157)	2141 (18949)	2569 (22740)	3426 (30324)	4283 (37907)	5140 (45491)				
	45°	366 (3235)	335 (2961)	482 (4269)	630 (5576)	778 (6884)	1073 (9499)	1369 (12114)	1664 (14729)				
	END	776 (6870)	385 (3406)	606 (5367)	828 (7328)	1050 (9290)	1493 (13212)	1936 (17134)	2379 (21057)				
LPS-15C-285Y-FC2-1	START	654 (5791)	1818 (16088)	2353 (20825)	2888 (25561)	3423 (30297)	4493 (39770)						
	45°	366 (3235)	519 (4590)	703 (6233)	888 (7857)	1072 (9490)	1441 (12756)						
	END	776 (6870)	661 (5849)	938 (8299)	1214 (10749)	1491 (13198)	2045 (18098)						
LPS-15C-300Y-FC2-1	START	654 (5791)	2107 (18647)	2700 (23895)	3293 (29143)	3886 (34391)	5071 (44887)						
	45°	366 (3235)	618 (5472)	823 (7282)	1027 (9092)	1232 (10901)	1641 (14521)						
	END	776 (6870)	810 (7172)	1117 (9887)	1424 (12601)	1730 (15316)	2344 (20745)						
LPS-15C-335Y-FC2-1	START	654 (5791)	2839 (25127)	3578 (31671)	4318 (38215)	5057 (44759)							
	45°	366 (3235)	871 (7707)	1126 (9963)	1381 (12220)	1636 (14476)							
	END	776 (6870)	1189 (10524)	1571 (13909)	1954 (17294)	2336 (20678)							
LPS-15C-360Y-FC2-1	START	654 (5791)	3411 (30193)	4265 (37750)	5119 (45307)								
	45°	366 (3235)	1068 (9454)	1363 (12060)	1657 (14665)								
	END	776 (6870)	1485 (13144)	1927 (17053)	2368 (20962)								
LPS-15C-385Y-FC2-1	START	654 (5791)	4025 (35623)	5001 (44266)									
	45°	366 (3235)	1280 (11326)	1616 (14307)									
	END	776 (6870)	1802 (15953)	2307 (20424)									

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-15C-155Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-175Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-200Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-235Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-255Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-285Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-300Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-335Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-360Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								
LPS-15C-385Y+FC3-1	START 1038 (9183)																								
	45° 581 (5144)																								
	END 1241 (10985)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar(g) (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15C-155Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-175Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-200Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-235Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-255Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-285Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-300Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-335Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-360Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								
LPS-15C-385Y-FC3-2	START	1571 (13908)																								
	45°	876 (7750)																								
	END	1848 (16357)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-15C-155Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-175Y-FC3-3	START	1692 (14974)																						2800 (24780)	
	45°	947 (8379)																						702 (6213)	
	END	2017 (17855)																						768 (6797)	
LPS-15C-200Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-235Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-255Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-285Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-300Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-335Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-360Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							
LPS-15C-385Y-FC3-3	START	1692 (14974)																							
	45°	947 (8379)																							
	END	2017 (17855)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar(g) (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15C-155Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-175Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-200Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-235Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-255Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-285Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-300Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-335Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-360Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								
LPS-15C-385Y-FC4-1	START	1577 (13958)																								
	45°	898 (7946)																								
	END	1986 (17582)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (PSI))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-15C-155Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-175Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-200Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-235Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-255Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-285Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-300Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-335Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-360Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							
LPS-15C-385Y-FC4-2	START	2111 (18682)																							
	45°	1192 (10552)																							
	END	2593 (22955)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-15C-155Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-175Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-200Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-235Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-255Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-285Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-300Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-335Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-360Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							
LPS-15C-385Y-FC4-3	START	2231 (19748)																							
	45°	1263 (11182)																							
	END	2763 (24452)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar(g) (PSI)]														
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)			
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15A-155Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-175Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-200Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-235Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-255Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-285Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-300Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-335Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-360Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)
LPS-15A-385Y-FCL-1	START	676 (5984)	584 (5170)	599 (5245)	614 (5419)	629 (5594)	644 (5769)	659 (5944)	674 (6119)	689 (6294)	704 (6469)	719 (6644)	734 (6819)	749 (6994)	764 (7169)	779 (7344)
	45°	286 (2529)	339 (3002)	348 (3098)	357 (3194)	366 (3290)	375 (3386)	384 (3482)	393 (3578)	402 (3674)	411 (3770)	420 (3866)	429 (3962)	438 (4058)	447 (4154)	456 (4250)
	END	410 (3627)	497 (4400)	505 (4486)	513 (4572)	521 (4658)	529 (4744)	537 (4830)	545 (4916)	553 (5002)	561 (5088)	569 (5174)	577 (5260)	585 (5346)	593 (5432)	601 (5518)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar(g) (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15A-155Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-175Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-200Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-235Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-255Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-285Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-300Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-335Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-360Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								
LPS-15A-385Y-FC2-1	START	829 (7337)																								
	45°	356 (3151)																								
	END	522 (4620)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)																
		2.5 (35)					3.5 (49)					4 (56)						
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)		
LPS-15A-155Y-FC3-1	START	1314 (11632)	944 (8354)	1151 (10190)	1359 (12026)	1566 (13861)	944 (8354)	1151 (10190)	1359 (12026)	1566 (13861)	944 (8354)	1151 (10190)	1359 (12026)	1566 (13861)	944 (8354)	1151 (10190)	1359 (12026)	1566 (13861)
	45°	566 (5006)	357 (3163)	467 (4129)	576 (5095)	685 (6061)	357 (3163)	467 (4129)	576 (5095)	685 (6061)	357 (3163)	467 (4129)	576 (5095)	685 (6061)	357 (3163)	467 (4129)	576 (5095)	685 (6061)
	END	835 (7389)	414 (3664)	621 (5500)	829 (7336)	1036 (9172)	414 (3664)	621 (5500)	829 (7336)	1036 (9172)	414 (3664)	621 (5500)	829 (7336)	1036 (9172)	414 (3664)	621 (5500)	829 (7336)	1036 (9172)
LPS-15A-175Y-FC3-1	START	1314 (11632)	928 (8213)	1192 (10553)	1457 (12893)	1985 (17573)	928 (8213)	1192 (10553)	1457 (12893)	1985 (17573)	928 (8213)	1192 (10553)	1457 (12893)	1985 (17573)	928 (8213)	1192 (10553)	1457 (12893)	1985 (17573)
	45°	566 (5006)	349 (3088)	488 (4320)	627 (5552)	906 (8015)	349 (3088)	488 (4320)	627 (5552)	906 (8015)	349 (3088)	488 (4320)	627 (5552)	906 (8015)	349 (3088)	488 (4320)	627 (5552)	906 (8015)
	END	835 (7389)	398 (3523)	662 (5863)	927 (8203)	1456 (12883)	398 (3523)	662 (5863)	927 (8203)	1456 (12883)	398 (3523)	662 (5863)	927 (8203)	1456 (12883)	398 (3523)	662 (5863)	927 (8203)	1456 (12883)
LPS-15A-200Y-FC3-1	START	1314 (11632)	804 (7115)	1149 (10171)	1494 (13227)	1840 (16284)	804 (7115)	1149 (10171)	1494 (13227)	1840 (16284)	804 (7115)	1149 (10171)	1494 (13227)	1840 (16284)	804 (7115)	1149 (10171)	1494 (13227)	1840 (16284)
	45°	566 (5006)	284 (2510)	465 (4119)	647 (5728)	829 (7336)	284 (2510)	465 (4119)	647 (5728)	829 (7336)	284 (2510)	465 (4119)	647 (5728)	829 (7336)	284 (2510)	465 (4119)	647 (5728)	829 (7336)
	END	835 (7389)	274 (2425)	619 (5481)	965 (8537)	1310 (11594)	274 (2425)	619 (5481)	965 (8537)	1310 (11594)	274 (2425)	619 (5481)	965 (8537)	1310 (11594)	274 (2425)	619 (5481)	965 (8537)	1310 (11594)
LPS-15A-235Y-FC3-1	START	1314 (11632)	984 (8711)	1461 (12931)	1938 (17151)	2414 (21370)	984 (8711)	1461 (12931)	1938 (17151)	2414 (21370)	984 (8711)	1461 (12931)	1938 (17151)	2414 (21370)	984 (8711)	1461 (12931)	1938 (17151)	2414 (21370)
	45°	566 (5006)	379 (3351)	629 (5572)	880 (7793)	1131 (10013)	379 (3351)	629 (5572)	880 (7793)	1131 (10013)	379 (3351)	629 (5572)	880 (7793)	1131 (10013)	379 (3351)	629 (5572)	880 (7793)	1131 (10013)
	END	835 (7389)	454 (4022)	931 (8241)	1408 (12461)	1885 (16681)	454 (4022)	931 (8241)	1408 (12461)	1885 (16681)	454 (4022)	931 (8241)	1408 (12461)	1885 (16681)	454 (4022)	931 (8241)	1408 (12461)	1885 (16681)
LPS-15A-255Y-FC3-1	START	1314 (11632)	1042 (9222)	1323 (11707)	1884 (16675)	2445 (21644)	1042 (9222)	1323 (11707)	1884 (16675)	2445 (21644)	1042 (9222)	1323 (11707)	1884 (16675)	2445 (21644)	1042 (9222)	1323 (11707)	1884 (16675)	2445 (21644)
	45°	566 (5006)	409 (3620)	557 (4927)	852 (7542)	1148 (10157)	409 (3620)	557 (4927)	852 (7542)	1148 (10157)	409 (3620)	557 (4927)	852 (7542)	1148 (10157)	409 (3620)	557 (4927)	852 (7542)	1148 (10157)
	END	835 (7389)	512 (4533)	793 (7017)	1354 (11985)	1915 (16954)	512 (4533)	793 (7017)	1354 (11985)	1915 (16954)	512 (4533)	793 (7017)	1354 (11985)	1915 (16954)	512 (4533)	793 (7017)	1354 (11985)	1915 (16954)
LPS-15A-285Y-FC3-1	START	1314 (11632)	830 (7349)	1181 (10452)	1531 (13555)	1882 (16658)	830 (7349)	1181 (10452)	1531 (13555)	1882 (16658)	830 (7349)	1181 (10452)	1531 (13555)	1882 (16658)	830 (7349)	1181 (10452)	1531 (13555)	1882 (16658)
	45°	566 (5006)	298 (2634)	482 (4267)	667 (5900)	851 (7533)	298 (2634)	482 (4267)	667 (5900)	851 (7533)	298 (2634)	482 (4267)	667 (5900)	851 (7533)	298 (2634)	482 (4267)	667 (5900)	851 (7533)
	END	835 (7389)	300 (2659)	651 (5762)	1002 (8865)	1352 (11968)	300 (2659)	651 (5762)	1002 (8865)	1352 (11968)	300 (2659)	651 (5762)	1002 (8865)	1352 (11968)	300 (2659)	651 (5762)	1002 (8865)	1352 (11968)
LPS-15A-300Y-FC3-1	START	1314 (11632)	1020 (9025)	1408 (12463)	1797 (15901)	2185 (19340)	1020 (9025)	1408 (12463)	1797 (15901)	2185 (19340)	1020 (9025)	1408 (12463)	1797 (15901)	2185 (19340)	1020 (9025)	1408 (12463)	1797 (15901)	2185 (19340)
	45°	566 (5006)	397 (3516)	602 (5325)	806 (7135)	1011 (8945)	397 (3516)	602 (5325)	806 (7135)	1011 (8945)	397 (3516)	602 (5325)	806 (7135)	1011 (8945)	397 (3516)	602 (5325)	806 (7135)	1011 (8945)
	END	835 (7389)	490 (4335)	878 (7773)	1267 (11212)	1655 (14650)	490 (4335)	878 (7773)	1267 (11212)	1655 (14650)	490 (4335)	878 (7773)	1267 (11212)	1655 (14650)	490 (4335)	878 (7773)	1267 (11212)	1655 (14650)
LPS-15A-335Y-FC3-1	START	1314 (11632)	1499 (13270)	1984 (17558)	2468 (21845)	2952 (26133)	1499 (13270)	1984 (17558)	2468 (21845)	2952 (26133)	1499 (13270)	1984 (17558)	2468 (21845)	2952 (26133)	1499 (13270)	1984 (17558)	2468 (21845)	2952 (26133)
	45°	566 (5006)	650 (5750)	905 (8007)	1160 (10263)	1415 (12520)	650 (5750)	905 (8007)	1160 (10263)	1415 (12520)	650 (5750)	905 (8007)	1160 (10263)	1415 (12520)	650 (5750)	905 (8007)	1160 (10263)	1415 (12520)
	END	835 (7389)	969 (8580)	1454 (12868)	1938 (17155)	2423 (21443)	969 (8580)	1454 (12868)	1938 (17155)	2423 (21443)	969 (8580)	1454 (12868)	1938 (17155)	2423 (21443)	969 (8580)	1454 (12868)	1938 (17155)	2423 (21443)
LPS-15A-360Y-FC3-1	START	1314 (11632)	1874 (16589)	2434 (21540)	2993 (26492)	3552 (31443)	1874 (16589)	2434 (21540)	2993 (26492)	3552 (31443)	1874 (16589)	2434 (21540)	2993 (26492)	3552 (31443)	1874 (16589)	2434 (21540)	2993 (26492)	3552 (31443)
	45°	566 (5006)	847 (7497)	1141 (10103)	1436 (12709)	1730 (15315)	847 (7497)	1141 (10103)	1436 (12709)	1730 (15315)	847 (7497)	1141 (10103)	1436 (12709)	1730 (15315)	847 (7497)	1141 (10103)	1436 (12709)	1730 (15315)
	END	835 (7389)	1344 (11899)	1904 (16851)	2463 (21802)	3023 (26753)	1344 (11899)	1904 (16851)	2463 (21802)	3023 (26753)	1344 (11899)	1904 (16851)	2463 (21802)	3023 (26753)	1344 (11899)	1904 (16851)	2463 (21802)	3023 (26753)
LPS-15A-385Y-FC3-1	START	1314 (11632)	2276 (20147)	2916 (25810)	3556 (31472)	4196 (37135)	2276 (20147)	2916 (25810)	3556 (31472)	4196 (37135)	2276 (20147)	2916 (25810)	3556 (31472)	4196 (37135)	2276 (20147)	2916 (25810)	3556 (31472)	4196 (37135)
	45°	566 (5006)	1059 (9369)	1395 (12350)	1732 (15330)	2069 (18311)	1059 (9369)	1395 (12350)	1732 (15330)	2069 (18311)	1059 (9369)	1395 (12350)	1732 (15330)	2069 (18311)	1059 (9369)	1395 (12350)	1732 (15330)	2069 (18311)
	END	835 (7389)	1746 (15457)	2386 (21120)	3026 (26783)	3666 (32445)	1746 (15457)	2386 (21120)	3026 (26783)	3666 (32445)	1746 (15457)	2386 (21120)	3026 (26783)	3666 (32445)	1746 (15457)	2386 (21120)	3026 (26783)	3666 (32445)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15A-155Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-175Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-200Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-235Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-255Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-285Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-300Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-335Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-360Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								
LPS-15A-385Y-FC3-2	START	1990 (17616)																								
	45°	851 (7535)																								
	END	1245 (11016)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-15A-155Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-175Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-200Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-235Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-255Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-285Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-300Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-335Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								
LPS-15A-360Y-FC3-3	START	2143 (18967)																								
	45°	921 (8153)																								
	END	1357 (12013)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																					
		2.5 (35)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-15A-155Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-175Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-200Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-235Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-255Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-285Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-300Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-335Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-360Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					
LPS-15A-385Y-FC4-1	START	1997 (17680)																					
	45°	876 (7754)																					
	END	1332 (11787)																					

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-15A-155Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-175Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-200Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-235Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-255Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-285Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-300Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-335Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-360Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							
LPS-15A-385Y-FC4-2	START	2674 (23664)																							
	45°	1162 (10283)																							
	END	1741 (15413)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 15 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-15A-155Y-FC4-3	START	2826 (25015)																							
	45°	2322 (10900)																							
	END	1854 (16410)																							
LPS-15A-175Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-200Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-235Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-255Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-285Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-300Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-335Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-360Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							
LPS-15A-385Y-FC4-3	START	2826 (25015)																							
	45°	1232 (10900)																							
	END	1854 (16410)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-20C-235Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-255Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-285Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-300Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-335Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-360Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-385Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-435Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								
LPS-20C-485Y-FCL-1	START	1383 (12239)																								
	45°	768 (6796)																								
	END	1608 (14231)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-20C-235Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-255Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-285Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-300Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-335Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-360Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-385Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-435Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								
LPS-20C-485Y-FC2-1	START	2166 (19167)																								
	45°	1215 (10757)																								
	END	2607 (23074)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL		Output torque @ supply pressure [barg (PSI)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-20C-235Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-255Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-285Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-300Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-335Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-360Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-385Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-435Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											
LPS-20C-485Y-FC2-2	START	2815 (2491.3)											
	45°	1579 (1397.7)											
	END	3384 (2995.4)											

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-20C-235Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-255Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-285Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-300Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-335Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-360Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-385Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-435Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								
LPS-20C-485Y-FC2-3	START	3645 (32258)																								
	45°	2031 (17981)																								
	END	4291 (37976)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-20C-235Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-255Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-285Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-300Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-335Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-360Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-385Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-435Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							
LPS-20C-485Y-FC2-4	START	4197 (37152)																							
	45°	2347 (20773)																							
	END	4992 (44185)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (PSI))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-20C-235Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-255Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-285Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-300Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-335Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-360Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-385Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-435Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							
LPS-20C-485Y-FC3-1	START	4235 (37483)																							
	45°	2398 (21229)																							
	END	5248 (46452)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (PSI)]																								
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)													
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)													
LPS-20C-235Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-255Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-285Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-300Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-335Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-360Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-385Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-435Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								
LPS-20C-485Y-FC3-2	START	5065 (4828)																								
	45°	2851 (25233)																								
	END	6155 (54474)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																				
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)									
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)									
LPS-20C-235Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-255Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-285Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-300Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-335Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-360Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-385Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-435Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				
LPS-20C-485Y-FC3-3	START	5618 (49722)																				
	45°	3166 (28025)																				
	END	6856 (60683)																				

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-20A-235Y-FC1-1	START	1751 (15502)	1324 (11719)	1954 (17299)	2585 (22879)	3215 (28459)	3846 (34039)	4476 (39619)	5107 (45199)	5737 (50779)	6367 (56359)		
	45°	746 (6604)	503 (4449)	834 (7385)	1166 (10322)	1498 (13259)	1830 (16193)	2162 (19133)	2493 (22070)	2825 (25006)	3157 (27943)		
	END	1084 (9592)	586 (5186)	1216 (10766)	1847 (16346)	2477 (21926)	3108 (27506)	3738 (33086)	4369 (38666)	4999 (44246)	5629 (49826)		
LPS-20A-255Y-FC1-1	START	1751 (15502)	1400 (12394)	1771 (15680)	2141 (18966)	2514 (22250)	2886 (25146)	3256 (28820)	3626 (31966)	3996 (35112)	4366 (38258)	4736 (41404)	5106 (44550)
	45°	746 (6604)	543 (4804)	738 (6533)	1129 (9991)	1520 (13449)	1910 (16907)	2301 (20365)	2692 (23823)	3082 (27281)	3473 (30739)	3864 (34197)	4254 (37655)
	END	1084 (9592)	662 (5861)	1033 (9147)	1776 (15717)	2518 (22287)	3260 (28857)	4003 (35427)	4745 (41997)	5487 (48567)	6230 (55137)	6972 (61707)	7714 (68277)
LPS-20A-285Y-FC1-1	START	1751 (15502)	1120 (9916)	1584 (14020)	2048 (18123)	2512 (22227)	2976 (25231)	3440 (29235)	3904 (33239)	4368 (37243)	4832 (41247)	5296 (45251)	5760 (49255)
	45°	746 (6604)	395 (3500)	639 (5660)	883 (7819)	1127 (9979)	1371 (12039)	1615 (14299)	1859 (16559)	2103 (18819)	2347 (20579)	2591 (22339)	2835 (24099)
	END	1084 (9592)	382 (3383)	846 (7487)	1310 (11590)	1773 (15694)	2236 (19698)	2700 (23901)	3164 (27105)	3628 (31309)	4092 (35513)	4556 (39717)	5020 (43921)
LPS-20A-300Y-FC1-1	START	1751 (15502)	1371 (12133)	1885 (16680)	2398 (21227)	2912 (25774)	3426 (29321)	3940 (33868)	4454 (37415)	4968 (41962)	5482 (46509)	5996 (51056)	6510 (55603)
	45°	746 (6604)	527 (4667)	798 (7060)	1068 (9453)	1338 (11846)	1608 (14339)	1878 (16832)	2148 (19325)	2418 (21318)	2688 (23311)	2958 (25304)	3228 (27297)
	END	1084 (9592)	633 (5600)	1146 (10147)	1660 (14694)	2174 (19241)	2688 (23334)	3202 (27834)	3716 (32334)	4230 (36834)	4744 (41334)	5258 (45834)	5772 (50334)
LPS-20A-335Y-FC1-1	START	1751 (15502)	2005 (17747)	2646 (23417)	3286 (29086)	3927 (34756)	4568 (39426)	5208 (44095)	5848 (49765)	6489 (55435)	7129 (61105)	7770 (66774)	8410 (72444)
	45°	746 (6604)	861 (7621)	1198 (10605)	1535 (13589)	1872 (16573)	2209 (19557)	2546 (22541)	2883 (24525)	3220 (28509)	3557 (30493)	3894 (32477)	4231 (36461)
	END	1084 (9592)	1267 (11214)	1908 (16888)	2548 (22553)	3189 (27223)	3830 (32893)	4471 (38563)	5112 (43233)	5753 (49903)	6394 (54573)	7035 (60243)	7676 (65913)
LPS-20A-360Y-FC1-1	START	1751 (15502)	2501 (22136)	3241 (28683)	3980 (35231)	4720 (41778)	5460 (46326)	6200 (51874)	6940 (57422)	7680 (62970)	8420 (68518)	9160 (74066)	9900 (79614)
	45°	746 (6604)	1122 (9931)	1511 (13377)	1901 (16823)	2290 (20269)	2680 (23115)	3070 (26061)	3460 (29007)	3850 (31953)	4240 (34899)	4630 (37845)	5020 (40791)
	END	1084 (9592)	1763 (15603)	2503 (22150)	3242 (28698)	3982 (33245)	4722 (40793)	5462 (46340)	6202 (51888)	6942 (57436)	7682 (62984)	8422 (68532)	9162 (74080)
LPS-20A-385Y-FC1-1	START	1751 (15502)	3033 (26841)	3879 (34329)	4725 (41818)	5571 (47306)	6417 (54794)	7263 (61282)	8109 (67770)	8955 (74258)	9801 (79746)	10647 (85234)	
	45°	746 (6604)	1402 (12408)	1847 (16349)	2292 (20290)	2738 (22431)	3183 (26472)	3628 (31114)	4073 (33755)	4519 (37396)	4964 (41037)	5409 (44678)	
	END	1084 (9592)	2294 (20308)	3140 (27796)	3987 (33285)	4833 (40773)	5679 (47261)	6525 (54750)	7371 (62238)	8217 (67726)	9063 (73214)	9909 (78702)	
LPS-20A-435Y-FC1-1	START	1751 (15502)	4203 (37187)	5283 (46757)	6363 (53327)	7443 (62897)	8523 (71467)	9603 (79937)	10683 (85507)	11763 (91077)	12843 (96647)	13923 (99117)	
	45°	746 (6604)	2018 (17858)	2586 (22890)	3155 (27921)	3723 (30953)	4291 (33985)	4860 (39016)	5429 (43047)	6000 (49078)	6569 (54109)	7139 (59140)	
	END	1084 (9592)	3465 (30664)	4545 (40224)	5625 (47784)	6705 (53344)	7785 (58904)	8865 (64464)	9945 (70024)	11025 (75584)	12105 (81144)	13185 (86704)	
LPS-20A-485Y-FC1-1	START	1751 (15502)	5515 (48817)	6858 (60701)	8201 (72585)	9543 (81468)	10886 (89352)	12229 (97236)	13572 (105120)	14915 (113004)	16258 (120888)	17601 (128772)	
	45°	746 (6604)	2709 (23974)	3415 (30229)	4122 (33483)	4829 (39737)	5536 (45991)	6243 (51245)	6950 (57499)	7657 (63753)	8364 (69007)	9071 (74261)	
	END	1084 (9592)	4777 (42284)	6120 (54168)	7463 (66052)	8805 (73935)	10148 (79819)	11491 (87703)	12834 (95587)	14177 (99471)	15520 (107355)	16863 (115239)	

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Output torque @ supply pressure [bar(g) (psi)]													
	2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)	15 (210)	20 (280)
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-20A-235Y-FC2-1	START	1743 (24279)	1845 (26532)	2012 (28786)	2164 (30615)	2476 (35121)	2743 (39221)	3106 (44121)	3737 (52621)	4367 (61121)	4997 (70121)	5628 (79121)	6258 (88121)	6888 (97121)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-255Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-285Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-300Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-335Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-360Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-385Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-435Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)
LPS-20A-485Y-FC2-1	START	2743 (24279)	2910 (26033)	3076 (27787)	3243 (29541)	3409 (31295)	3576 (33049)	3742 (34803)	3909 (36557)	4075 (38311)	4242 (39065)	4408 (40819)	4575 (42573)	4741 (44327)
	45°	1183 (10472)	1247 (10972)	1311 (11472)	1375 (11972)	1439 (12472)	1503 (12972)	1567 (13472)	1631 (13972)	1695 (14472)	1759 (14972)	1823 (15472)	1887 (15972)	1951 (16472)
	END	1753 (15514)	1817 (16014)	1881 (16514)	1945 (17014)	2009 (17514)	2073 (18014)	2137 (18514)	2201 (19014)	2265 (19514)	2329 (20014)	2393 (20514)	2457 (21014)	2521 (21514)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-20A-235Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-255Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-285Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-300Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-335Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-360Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-385Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-435Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							
LPS-20A-485Y-FC2-2	START	3565 (31556)																							
	45°	1537 (13605)																							
	END	2276 (20142)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-20A-235Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-255Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-285Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-300Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-335Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-360Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-385Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-435Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							
LPS-20A-485Y-FC2-3	START	4616 (40860)																							
	45°	1975 (17483)																							
	END	2889 (25574)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-20A-235Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-255Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-285Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-300Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-335Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-360Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-385Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-435Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							
LPS-20A-485Y-FC2-4	START	5317 (47059)																							
	45°	2283 (20209)																							
	END	3359 (29734)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-20A-235Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-255Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-285Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-300Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-335Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-360Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-385Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-435Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							
LPS-20A-485Y-FC3-1	START	5364 (47478)																							
	45°	2338 (20698)																							
	END	3522 (31173)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-20A-235Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-255Y-FC3-2	START	6415 (56782)																						4337 (38385)	
	45°	2777 (24575)																						1619 (14334)	
	END	4136 (36604)																						1817 (16083)	
LPS-20A-285Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-300Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-335Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-360Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-385Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-435Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							
LPS-20A-485Y-FC3-2	START	6415 (56782)																							
	45°	2777 (24575)																							
	END	4136 (36604)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 20A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-20A-235Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-255Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-285Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-300Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-335Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-360Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-385Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-435Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							
LPS-20A-485Y-FC3-3	START	7116 (62981)																							
	45°	3085 (27301)																							
	END	4606 (40764)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FCL-1	START	2237 (19795)	4259 (37695)	6007 (53169)	7755 (68643)	9504 (84117)	11252 (99591)	13000 (115065)	14749 (130539)	16497 (146013)	18245 (161487)	19993 (176961)	21741 (194835)
	45°	1224 (10830)	1059 (9373)	1662 (14709)	2265 (20045)	2868 (25381)	3470 (30716)	4073 (36052)	4676 (41388)	5279 (46724)	5882 (52060)	6485 (57396)	7088 (62732)
	END	2474 (21896)	1145 (10136)	2049 (18140)	2954 (26144)	3858 (34147)	4762 (42151)	5667 (50155)	6571 (58159)	7475 (66162)	8379 (74166)	9283 (82170)	10187 (90174)
LPS-25C-300X-FCL-1	START	2237 (19795)	4046 (35809)	5014 (44382)	6082 (53856)	7150 (63330)	8218 (72903)	9286 (82477)	10354 (92050)	11422 (101624)	12490 (111198)	13558 (120772)	14626 (130346)
	45°	1224 (10830)	986 (8723)	1319 (11679)	1987 (17591)	2655 (23503)	3323 (29416)	3991 (35328)	4659 (41240)	5327 (47153)	5995 (53065)	6663 (58977)	7331 (64890)
	END	2474 (21896)	1035 (9160)	1536 (13595)	2538 (22463)	3540 (31332)	4542 (40200)	5544 (49068)	6546 (57937)	7548 (66805)	8550 (75674)	9552 (84542)	10554 (93410)
LPS-25C-335Y-FCL-1	START	2237 (19795)	4512 (39939)	5720 (50628)	6928 (61318)	8136 (72007)	9344 (82696)	10552 (93385)	11760 (104074)	12968 (114763)	14176 (125452)	15384 (136141)	16592 (146830)
	45°	1224 (10830)	1146 (10147)	1563 (13833)	1979 (17519)	2395 (21305)	2812 (24891)	3228 (28477)	3645 (32063)	4061 (35649)	4478 (39235)	4894 (42821)	5311 (47407)
	END	2474 (21896)	1276 (11296)	1901 (16825)	2526 (22355)	3151 (27885)	3776 (33415)	4401 (38945)	5026 (44475)	5651 (50005)	6276 (55535)	6901 (60065)	7526 (66595)
LPS-25C-360Y-FCL-1	START	2237 (19795)	5634 (49869)	7029 (62214)	8424 (74559)	9819 (86504)	11214 (99449)	12609 (111394)	14004 (123339)	15399 (136284)	16794 (149229)	18189 (162174)	19584 (174119)
	45°	1224 (10830)	1533 (13571)	2014 (17828)	2495 (22084)	2976 (26340)	3457 (30596)	3938 (34652)	4419 (39112)	4900 (43172)	5381 (47232)	5862 (51292)	6343 (55352)
	END	2474 (21896)	1135 (10047)	1857 (16433)	2578 (22818)	3299 (29203)	4020 (35688)	4741 (41974)	5462 (48459)	6183 (54944)	6904 (61429)	7625 (67314)	8346 (73799)
LPS-25C-385Y-FCL-1	START	2237 (19795)	5242 (46394)	6837 (60513)	8432 (74632)	10027 (88751)	11622 (102870)	13217 (117989)	14812 (131108)	16407 (145227)	18002 (161346)	19597 (174465)	21192 (189584)
	45°	1224 (10830)	1398 (12373)	1948 (17241)	2498 (22110)	3048 (26979)	3598 (31847)	4148 (36716)	4698 (41585)	5248 (46453)	5798 (51322)	6348 (56191)	6898 (61060)
	END	2474 (21896)	1654 (14635)	2479 (21938)	3304 (29241)	4129 (36544)	4954 (43847)	5779 (51150)	6604 (58453)	7429 (65756)	8254 (73059)	9079 (80362)	9904 (86665)
LPS-25C-435Y-FCL-1	START	2237 (19795)	7448 (65921)	9484 (83946)	11521 (101970)	13557 (119995)	15593 (138020)	17630 (156045)	19667 (174670)	21703 (193295)	23740 (211920)	25777 (228545)	27813 (245170)
	45°	1224 (10830)	2159 (19106)	2861 (25321)	3563 (31537)	4265 (37752)	4967 (43967)	5669 (50183)	6371 (56398)	7073 (63013)	7775 (69628)	8477 (75243)	9179 (81858)
	END	2474 (21896)	2795 (24736)	3848 (34059)	4901 (43382)	5954 (52705)	7007 (62028)	8060 (71351)	9113 (80674)	10166 (90997)	11219 (99320)	12272 (108643)	13325 (118966)
LPS-25C-485Y-FCL-1	START	2237 (19795)	9923 (87830)	12455 (110236)	14986 (132642)	17518 (155048)	19999 (176954)	22480 (199860)	24961 (220766)	27442 (243672)	29923 (264578)	32404 (285484)	34885 (306390)
	45°	1224 (10830)	3012 (26661)	3885 (34387)	4758 (42113)	5631 (49839)	6504 (57565)	7377 (65291)	8250 (73017)	9123 (80743)	9996 (88469)	10869 (96195)	11742 (103921)
	END	2474 (21896)	4075 (36068)	5384 (47657)	6693 (59246)	8003 (70835)	9313 (82424)	10623 (93813)	11933 (106202)	13243 (118791)	14553 (129680)	15863 (141569)	17173 (153458)
LPS-25C-535Y-FCL-1	START	2237 (19795)	12667 (112119)	15748 (139383)	18828 (166647)	21908 (195411)	24988 (220175)	28068 (247939)	31148 (275603)	34228 (303267)	37308 (330931)	40388 (358595)	43468 (386259)
	45°	1224 (10830)	3958 (35037)	5021 (44438)	6084 (53839)	7147 (63240)	8210 (72841)	9273 (82442)	10336 (91943)	11399 (101444)	12462 (110945)	13525 (120946)	14588 (128447)
	END	2474 (21896)	5494 (48631)	7088 (62733)	8682 (76835)	10276 (91337)	11870 (105839)	13464 (119841)	15058 (133843)	16652 (148845)	18246 (163447)	19840 (176049)	21434 (190651)
LPS-25C-585Y-FCL-1	START	2237 (19795)	15681 (138791)	19923 (176195)	24165 (213599)	28407 (251003)	32649 (291007)	36891 (327511)	41133 (365015)	45375 (402519)	49617 (440023)	53859 (480027)	58101 (517531)
	45°	1224 (10830)	4998 (44233)	6343 (55928)	7688 (68023)	9033 (80518)	10378 (92613)	11723 (104708)	13068 (117203)	14413 (128198)	15758 (141193)	17103 (153188)	18448 (165183)
	END	2474 (21896)	7053 (62427)	8908 (78922)	10763 (95417)	12618 (112912)	14473 (129107)	16328 (146602)	18183 (163097)	20038 (180592)	21893 (197087)	23748 (212582)	25603 (227077)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL		Output torque @ supply pressure [bar (psi)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FC1-2	START	3477 (30775)					6530 (57797)	8278 (73271)	10027 (88745)	11775 (104219)	13523 (119693)	15271 (135167)	17020 (150641)
	45°	1864 (16500)					1557 (13778)	2159 (19114)	2762 (24450)	3365 (29785)	3968 (35121)	4571 (40457)	5174 (45793)
	END	3583 (31709)					1583 (14009)	2487 (22012)	3391 (30016)	4296 (38020)	5200 (46024)	6104 (54027)	7008 (62031)
LPS-25C-300X-FC1-2	START	3477 (30775)					7663 (67827)	9600 (84973)	11538 (102118)	13475 (119264)	15412 (136410)	17349 (153555)	
	45°	1864 (16500)					1279 (11324)	1947 (17237)	2615 (23149)	3283 (29061)	3951 (34973)	4619 (40886)	5287 (46798)
	END	3583 (31709)					1167 (10328)	2169 (19197)	3171 (28065)	4173 (36933)	5175 (45802)	6177 (54670)	7179 (63539)
LPS-25C-335Y-FC1-2	START	3477 (30775)					10533 (93231)	12949 (114611)	15364 (135991)	17780 (157370)			
	45°	1864 (16500)					2937 (25997)	3770 (33369)	4603 (40741)	5436 (48114)			
	END	3583 (31709)					1155 (10220)	2404 (21278)	3653 (32337)	4903 (43395)	6152 (54454)	7402 (65512)	
LPS-25C-360Y-FC1-2	START	3477 (30775)					5804 (51367)	7198 (63712)	8802 (77905)	10992 (96143)	15183 (134381)	18373 (162619)	
	45°	1864 (16500)					1306 (11561)	1787 (15818)	2340 (20712)	3440 (30449)	4540 (40186)	5640 (49923)	
	END	3583 (31709)					1207 (10683)	1928 (17068)	3371 (29839)	4814 (42609)	6257 (55380)	7700 (68150)	
LPS-25C-385Y-FC1-2	START	3477 (30775)					7207 (63786)	8802 (77905)	10295 (91124)	12332 (109148)	16405 (145197)		
	45°	1864 (16500)					1790 (15843)	2340 (20712)	3440 (30449)	4540 (40186)	5640 (49923)		
	END	3583 (31709)					1933 (17106)	2758 (24409)	4408 (39015)	6058 (53621)	7708 (68227)		
LPS-25C-435Y-FC1-2	START	3477 (30775)					6222 (55075)	8259 (73099)	10295 (91124)	12332 (109148)	16405 (145197)		
	45°	1864 (16500)					1451 (12839)	2153 (19055)	2855 (25270)	3557 (31485)	4962 (43916)		
	END	3583 (31709)					1424 (12601)	2477 (21924)	3530 (31247)	4584 (40570)	6690 (59215)		
LPS-25C-485Y-FC1-2	START	3477 (30775)					8698 (76983)	11229 (99389)	13761 (121796)	16292 (144202)			
	45°	1864 (16500)					2304 (20394)	3177 (28120)	4050 (35846)	4923 (43573)			
	END	3583 (31709)					2704 (23933)	4013 (35522)	5323 (47111)	6632 (58701)			
LPS-25C-535Y-FC1-2	START	3477 (30775)					11442 (101273)	14522 (128537)	17603 (155801)				
	45°	1864 (16500)					3250 (28770)	4313 (38171)	5375 (47572)				
	END	3583 (31709)					4123 (36496)	5717 (50598)	7310 (64700)				
LPS-25C-585Y-FC1-2	START	3477 (30775)					14455 (127944)	18138 (160542)					
	45°	1864 (16500)					4290 (37967)	5560 (49207)					
	END	3583 (31709)					5682 (50292)	7587 (67153)					

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL		Output torque @ supply pressure [barg (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25C-285X-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-300X-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-335Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-360Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-385Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-435Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-485Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-535Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								
LPS-25C-585Y-FCL-3	START	4502 (39848)																								
	45°	2394 (21187)																								
	END	4499 (39823)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-300X-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-335Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-360Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-385Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-435Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-485Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-535Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							
LPS-25C-585Y-FCL-4	START	5185 (45893)																							
	45°	2768 (24500)																							
	END	5259 (46548)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL		Output torque @ supply pressure (barg (psi))											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-300X-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-335Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-360Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-385Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-435Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-485Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-535Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											
LPS-25C-585Y-FC2-1	START	5231 (46302)											
	45°	2839 (25131)											
	END	5629 (49820)											

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																									
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)			
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)		
LPS-25C-285X-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-300X-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-335Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-360Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-385Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-435Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-485Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-535Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									
LPS-25C-585Y-FC2-2	START	6256 (55376)																									
	45°	3369 (29817)																									
	END	6545 (57933)																									

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-300X-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-335Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-360Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-385Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-435Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-485Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-535Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							
LPS-25C-585Y-FC2-3	START	6939 (61421)																							
	45°	3743 (33130)																							
	END	7305 (64658)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL		Output torque @ supply pressure [barg (PSI)]																										
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)				
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)			
LPS-25C-285X-FC3-1	START	3522 (31172)	5628 (49813)	7377 (65291)	9125 (80765)	10873 (96239)	12622 (111713)	14370 (127187)	16118 (142661)	18086 (159877)	20000 (176988)	22000 (194000)	24000 (211012)	26000 (228024)	28000 (245036)	30000 (262048)	32000 (279060)	34000 (296072)	36000 (313084)	38000 (330096)	40000 (347108)	42000 (364120)	44000 (381132)	46000 (398144)	48000 (415156)	5024 (44470)		
	45°	2000 (17698)	1407 (12454)	2010 (17790)	2613 (23126)	3216 (28462)	3819 (33798)	4421 (39134)	5024 (44470)	5628 (49813)	6231 (54150)	6834 (59486)	7437 (64822)	8040 (70158)	8643 (75494)	9246 (80830)	9849 (86166)	10452 (91502)	11055 (96838)	11658 (102174)	12261 (107510)	12864 (112846)	13467 (118182)	14070 (123518)	14673 (128854)	15276 (134190)		
	END	4398 (38929)	1533 (13569)	2437 (21573)	3342 (29577)	4246 (37580)	5150 (45584)	6054 (53588)	6959 (61592)	7863 (69596)	8767 (77600)	9671 (85604)	10575 (93608)	11479 (101612)	12383 (109616)	13287 (117620)	14191 (125624)	15095 (133628)	15999 (141632)	16903 (149636)	17807 (157640)	18711 (165644)	19615 (173648)	20519 (181652)	21423 (189656)	22327 (197660)		
LPS-25C-300X-FC3-1	START	3522 (31172)	4825 (42302)	6499 (57182)	8273 (72862)	10047 (88542)	11821 (104222)	13595 (119902)	15369 (135582)	17143 (151262)	18917 (166942)	20691 (182622)	22465 (198302)	24239 (213982)	26013 (229662)	27787 (245342)	29561 (261022)	31335 (276702)	33109 (292382)	34883 (308062)	36657 (323742)	38431 (339422)	40205 (355102)	41979 (370782)	43753 (386462)	45527 (402142)	47301 (417822)	
	45°	2000 (17698)	1130 (10001)	1798 (15913)	2466 (21825)	3134 (27738)	3802 (33650)	4470 (39562)	5138 (45475)	5806 (51387)	6474 (57299)	7142 (63211)	7810 (69123)	8478 (75035)	9146 (80947)	9814 (86859)	10482 (92771)	11150 (98683)	11818 (104595)	12486 (110507)	13154 (116419)	13822 (122331)	14490 (128243)	15158 (134155)	15826 (140067)	16494 (145979)	17162 (151891)	
	END	4398 (38929)	1117 (9889)	2119 (18757)	3121 (27626)	4123 (36494)	5125 (45363)	6127 (54231)	7129 (63099)	8131 (71968)	9133 (80836)	10135 (89704)	11137 (98572)	12139 (107440)	13141 (116308)	14143 (125176)	15145 (134044)	16147 (142912)	17149 (151780)	18151 (160648)	19153 (169516)	20155 (178384)	21157 (187252)	22159 (196120)	23161 (199988)	24163 (208856)	25165 (217724)	
LPS-25C-335Y-FC3-1	START	3522 (31172)	4801 (42492)	6492 (57182)	8273 (72862)	10047 (88542)	11821 (104222)	13595 (119902)	15369 (135582)	17143 (151262)	18917 (166942)	20691 (182622)	22465 (198302)	24239 (213982)	26013 (229662)	27787 (245342)	29561 (261022)	31335 (276702)	33109 (292382)	34883 (308062)	36657 (323742)	38431 (339422)	40205 (355102)	41979 (370782)	43753 (386462)	45527 (402142)	47301 (417822)	
	45°	2000 (17698)	1122 (9929)	1955 (17301)	2788 (24673)	3621 (32046)	4453 (39418)	5286 (46790)	6119 (53162)	6952 (60534)	7785 (67906)	8618 (75278)	9451 (82650)	10284 (89998)	11117 (97346)	11950 (104694)	12783 (112042)	13616 (119390)	14449 (126738)	15282 (134086)	16115 (141434)	16948 (148782)	17781 (156130)	18614 (163478)	19447 (170826)	20280 (178174)	21113 (185522)	
	END	4398 (38929)	1105 (9780)	2354 (20839)	3604 (31897)	4853 (42956)	6103 (54014)	7352 (65073)	8602 (75131)	9851 (86189)	11101 (97247)	12350 (108305)	13600 (119363)	14849 (130421)	16099 (141479)	17348 (152537)	18598 (163595)	19847 (174653)	21097 (185711)	22346 (196769)	23596 (207827)	24845 (218885)	26095 (229943)	27344 (240999)	28594 (252057)	29843 (263115)	31093 (274173)	
LPS-25C-360Y-FC3-1	START	3522 (31172)	4902 (43388)	6297 (55733)	7900 (69925)	9086 (80422)	10086 (90422)	11091 (98163)	12096 (105904)	13101 (113645)	14106 (121386)	15111 (129127)	16116 (136868)	17121 (144609)	18126 (152350)	19131 (160091)	20136 (167832)	21141 (175573)	22146 (183314)	23151 (191055)	24156 (198796)	25161 (206537)	26166 (214278)	27171 (222019)	28176 (229760)	29181 (237501)	30186 (245242)	31191 (252783)
	45°	2000 (17698)	1157 (10243)	1879 (16629)	2591 (23008)	3322 (29399)	4053 (35780)	4784 (42170)	5515 (48551)	6246 (54942)	6977 (61333)	7708 (67724)	8439 (74115)	9170 (80506)	9901 (86897)	10632 (93288)	11363 (100679)	12094 (107070)	12825 (113461)	13556 (119852)	14287 (126243)	15018 (132634)	15749 (139025)	16480 (145416)	17211 (151807)	17942 (158198)	18673 (164589)	
	END	4398 (38929)	1157 (10243)	1879 (16629)	2591 (23008)	3322 (29399)	4053 (35780)	4784 (42170)	5515 (48551)	6246 (54942)	6977 (61333)	7708 (67724)	8439 (74115)	9170 (80506)	9901 (86897)	10632 (93288)	11363 (100679)	12094 (107070)	12825 (113461)	13556 (119852)	14287 (126243)	15018 (132634)	15749 (139025)	16480 (145416)	17211 (151807)	17942 (158198)	18673 (164589)	19404 (170980)
LPS-25C-385Y-FC3-1	START	3522 (31172)	4710 (41688)	6305 (55807)	7900 (69925)	9086 (80422)	10086 (90422)	11091 (98163)	12096 (105904)	13101 (113645)	14106 (121386)	15111 (129127)	16116 (136868)	17121 (144609)	18126 (152350)	19131 (160091)	20136 (167832)	21141 (175573)	22146 (183314)	23151 (191055)	24156 (198796)	25161 (206537)	26166 (214278)	27171 (222019)	28176 (229760)	29181 (237501)	30186 (245242)	31191 (252783)
	45°	2000 (17698)	1090 (9651)	1640 (14520)	2191 (19388)	2742 (23970)	3293 (28952)	3844 (33934)	4395 (38916)	4946 (43898)	5497 (48880)	6048 (53862)	6599 (58844)	7150 (63826)	7701 (68808)	8252 (73790)	8803 (78772)	9354 (83754)	9905 (88736)	10456 (93718)	11007 (98700)	11558 (103682)	12109 (108664)	12660 (113646)	13211 (118628)	13762 (123610)	14313 (128592)	
	END	4398 (38929)	1058 (9364)	1883 (16667)	2708 (23970)	3533 (31273)	4358 (38576)	5183 (45879)	6008 (53182)	6833 (60485)	7658 (67788)	8483 (75091)	9308 (81394)	10133 (87697)	10958 (93999)	11783 (100302)	12608 (106605)	13433 (112908)	14258 (119211)	15083 (125514)	15908 (131817)	16733 (138120)	17558 (144423)	18383 (150726)	19208 (157029)	20033 (163332)	20858 (169635)	21683 (175938)
LPS-25C-435Y-FC3-1	START	3522 (31172)	5321 (47096)	7357 (65120)	9394 (83144)	11430 (101169)	13467 (118193)	15503 (137218)	17539 (155243)	19575 (173267)	21611 (191291)	23647 (209315)	25683 (227339)	27719 (245363)	29755 (263387)	31791 (281411)	33827 (300435)	35863 (319459)	37899 (338483)	39935 (357507)	41971 (376531)	44007 (395555)	46043 (414579)	48079 (433603)	50115 (452627)	52151 (471651)	54187 (490675)	56223 (509699)
	45°	2000 (17698)	1301 (11516)	2003 (17731)	2706 (23946)	3408 (30161)	4111 (36376)	4814 (42591)	5517 (49806)	6220 (56021)	6923 (62236)	7626 (68451)	8329 (74666)	9032 (80881)	9735 (87096)	10438 (93311)	11141 (99526)	11844 (105741)	12547 (111956)	13250 (118171)	13953 (124386)	14656 (130601)	15359 (136816)	16062 (143031)	16765 (149246)	17468 (155461)	18171 (161676)	
	END	4398 (38929)	1374 (12161)	2427 (21484)	3481 (30807)	4534 (40130)	5587 (49453)	6641 (58776)	7694 (68100)	8748 (77423)	9801 (86746)	10855 (96069)	11909 (105392)	12963 (114715)	14017 (124038)	15071 (133361)	16125 (142684)	17179 (152007)	18233 (161330)	19287 (170653)	20341 (179976)	21395 (189299)	22449 (198622)	23503 (197945)	24557 (207268)	25611 (216591)	26665 (225914)	27719 (235237)
LPS-25C-485Y-FC3-1	START	3522 (31172)	7796 (69004)	10328 (91410)	12859 (113816)	15391 (136222)	17923 (158628)	20455 (181034)	22987 (203440)	25519 (225846)	28051 (248252)	30583 (270658)	33115 (293064)	35647 (315470)	38179 (337876)	40711 (360282)	43243 (382688)	45775 (405094)	48307 (427500)	50839 (449906)	53371 (472312)	55903 (494718)	58435 (517124)	60967 (539530)	63500 (561936)	66032 (584342)	68564 (606748)	71096 (629154)
	45°	2000 (17698)	2155 (19070)	3028 (26797)	3900 (34523)	4773 (42249)	5646 (49975)	6519 (58701)	7392 (66427)	8265 (75153)	9138 (81879)	10011 (88605)	10884 (97331)	11757 (106057)	12630 (114783)	13503 (123509)	14376 (132235)	15249 (140961)	16122 (149687)	16995 (158413)	17868 (167139)	18741 (175865)	19614 (184591)	20487 (193317)	21360 (202043)	22233 (210769)	23106 (219495)	
	END	4398 (38929)	2654 (23493)	3964 (35083)	5273 (46672)	6582 (58261)	7891 (69850)	9200 (81439)	10509 (93028)	11818 (104617)	13127 (116206)	14436 (127795)	15745 (139384)	17054 (150973)	18363 (162562)	19672 (174151)	20981 (185740)	22290 (197329)	23599 (208918)	24908 (220507)	26217 (232096)	27526 (243685)	28835 (255274)	30144 (266863)	31453 (278452)	32762 (290041)	34071 (301630)	35380 (313219)
LPS-25C-535Y-FC3-1	START	3522 (31172)	10540 (93294)	13621 (120558)	16701 (147822)	19781 (175086)	22861 (202350)	25941 (229614)	29021 (256878)	32101 (284142)	35181 (311406)	38261 (338670)	41341 (365934)	44421 (393198)	47501 (420462)	50581 (447726)	53661 (474990)	56741 (502254)	59821 (529518)	62901 (556782)	65981 (584046)	69061 (611310)	72141 (638574)	75221 (665838)	78301 (693102)	81381 (720366)	84461 (747630)	87541 (774894)
	45°	2000 (17698)	3101 (27446)	4163 (36848)	5225 (46249)	6287 (55651)	7349 (65053)	8411 (74455)	9473 (83857)	10535 (93259)	11597 (102661)	12659 (112063)	13721 (121465)	14783 (130867)	15845 (140269)	16907 (149671)	17969 (159073)	19031 (168475)	20093 (177877)	21155 (187279)	22217 (196681)	23279 (206083)	24341 (215485)	25403 (224887)	26465 (234289)	27527 (243691)	28589 (253093)	
	END	4398 (38929)	4074 (36057)	5667 (50159)	7260 (64261)	8853 (78363)	10446 (92465)	12039 (106567)	13632 (122669)	15225 (138771)	16818 (150873)	18411 (162975)	20004 (179077)	21597 (195179)	23190 (207281)	24783 (219383)	26376 (231485)	27969 (249587)	29562 (261689)	31155 (273791)	32748 (285893)	34341 (297995)	35934 (310097)	37527 (328199)	39120 (340301)	40713 (352403)	42306 (364505)	43899 (376607)
LPS-25C-585Y-FC3-1	START	3522 (31172)	13554 (119965)	17237 (152563)	21001 (186161)	24765 (218759)	28529 (253357)	32293 (284955)	36057 (318553)	39821 (349151)	43585 (386749)																	

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25C-285X-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-300X-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-335Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-360Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-385Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-435Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-485Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-535Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								
LPS-25C-585Y-FC3-2	START	5110 (45227)																								
	45°	2847 (25196)																								
	END	6005 (53149)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-300X-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-335Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-360Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-385Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-435Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-485Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-535Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							
LPS-25C-585Y-FC3-3	START	6337 (56089)																							
	45°	3495 (30931)																							
	END	7200 (63729)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FC3-4	START	7346 (65022)											11608 (102743)
	45°	4070 (36026)											2736 (24212)
	END	8479 (75045)											2732 (24179)
LPS-25C-300X-FC3-4	START	7346 (65022)											11937 (105658)
	45°	4070 (36026)											2849 (25217)
	END	8479 (75045)											2902 (25686)
LPS-25C-335Y-FC3-4	START	7346 (65022)											12368 (109473)
	45°	4070 (36026)											2998 (26533)
	END	8479 (75045)											3125 (27660)
LPS-25C-360Y-FC3-4	START	7346 (65022)											12945 (114574)
	45°	4070 (36026)											3196 (28232)
	END	8479 (75045)											3423 (30298)
LPS-25C-385Y-FC3-4	START	7346 (65022)											12961 (114722)
	45°	4070 (36026)											3202 (28343)
	END	8479 (75045)											3432 (30374)
LPS-25C-435Y-FC3-4	START	7346 (65022)											10893 (97300)
	45°	4070 (36026)											2523 (22335)
	END	8479 (75045)											2414 (21363)
LPS-25C-485Y-FC3-4	START	7346 (65022)											10881 (96304)
	45°	4070 (36026)											2485 (21992)
	END	8479 (75045)											2355 (20848)
LPS-25C-535Y-FC3-4	START	7346 (65022)											12191 (107904)
	45°	4070 (36026)											2937 (25992)
	END	8479 (75045)											3033 (26848)
LPS-25C-585Y-FC3-4	START	7346 (65022)											12727 (112645)
	45°	4070 (36026)											3121 (27626)
	END	8479 (75045)											3310 (29300)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-300X-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-335Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-360Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-385Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-435Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-485Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-535Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							
LPS-25C-585Y-FC4-1	START	7127 (63081)																							
	45°	3982 (35241)																							
	END	8453 (74815)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-25C-285X-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-300X-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-335Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-360Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-385Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-435Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-485Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-535Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							
LPS-25C-585Y-FC4-2	START	8354 (7394.3)																							
	45°	4630 (4097.7)																							
	END	9648 (8539.5)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (PSI)]																		
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)							
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)							
LPS-25C-285X-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-300X-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-335Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-360Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-385Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-435Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-485Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-535Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		
LPS-25C-585Y-FC4-3	START	9364 (82877)																		
	45°	5205 (46071)																		
	END	10927 (96711)																		

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	
LPS-25C-285X-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-300X-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-335Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-360Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-385Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-435Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-485Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-535Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								
LPS-25C-585Y-FC4-4	START	10013 (88629)																								
	45°	5610 (49656)																								
	END	11987 (106096)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25A-285X-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-300X-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-335Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-360Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-385Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-435Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-485Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-535Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							
LPS-25A-585Y-FCL-2	START	4404 (38981)																							
	45°	1800 (15933)																							
	END	2436 (21564)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25A-285X-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-300X-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-335Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-360Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-385Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-435Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-485Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-535Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								
LPS-25A-585Y-FC1-3	START	5703 (50474)																								
	45°	2308 (20427)																								
	END	3067 (27148)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25A-285X-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-300X-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-335Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-360Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-385Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-435Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-485Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-535Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							
LPS-25A-585Y-FC2-1	START	6626 (58650)																							
	45°	2748 (24320)																							
	END	3815 (33768)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Output torque @ supply pressure (barg (PSI))																								
	2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25A-285X-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-300X-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-335Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-360Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-385Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-435Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-485Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-535Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							
LPS-25A-585Y-FC2-2	START	7925 (70143)																							
	45°	3255 (28814)																							
	END	4446 (39352)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	
LPS-25A-285X-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-300X-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-335Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-360Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-385Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-435Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-485Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-535Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								
LPS-25A-585Y-FC2-3	START	8790 (77800)																								
	45°	3618 (32026)																								
	END	4960 (43898)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25A-285X-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-300X-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-335Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-360Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-385Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-435Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-485Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-535Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								
LPS-25A-585Y-FC3-1	START	4461 (39485)																								
	45°	1950 (17262)																								
	END	2950 (26111)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bareg (psi)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25A-285X-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-300X-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-335Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-360Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-385Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-435Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-485Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-535Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								
LPS-25A-585Y-FC3-2	START	6472 (57287)																								
	45°	2768 (24495)																								
	END	4044 (35796)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25A-285X-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-300X-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-335Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-360Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-385Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-435Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-485Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-535Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							
LPS-25A-585Y-FC3-3	START	8027 (71046)																							
	45°	3392 (30018)																							
	END	4861 (43023)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-25A-285X-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-300X-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-335Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-360Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-385Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-435Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-485Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-535Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							
LPS-25A-585Y-FC3-4	START	9305 (82361)																							
	45°	3953 (34991)																							
	END	5718 (50606)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bareg (psi)]																							
		2.5 (85)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-25A-285X-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-300X-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-335Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-360Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-385Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-435Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-485Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-535Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							
LPS-25A-585Y-FC4-1	START	9028 (79903)																							
	45°	3873 (34279)																							
	END	5689 (50356)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Output torque @ supply pressure [bar (psi)]																								
	2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-25A-285X-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-300X-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-335Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-360Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-385Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-435Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-485Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-535Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							
LPS-25A-585Y-FC4-2	START	10582 (93662)																							
	45°	4497 (39801)																							
	END	6506 (57583)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-25A-285X-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-300X-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-335Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-360Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-385Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-435Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-485Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-535Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						
LPS-25A-585Y-FC4-3	START	11860	(104977)																						
	45°	5059	(44775)																						
	END	7363	(65166)																						

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 25A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)					
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)					
LPS-25A-285X-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-300X-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-335Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-360Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-385Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-435Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-485Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-535Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																
LPS-25A-585Y-FC4-4	START	12684 (112264)																
	45°	5460 (48323)																
	END	8063 (71364)																

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30C-335X-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-360X-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-385Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-435Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-485Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-535Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-585Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-635Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								
LPS-30C-685Y-FCL-1	START	6570 (58149)																								
	45°	3454 (30574)																								
	END	6297 (55738)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-360X-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-385Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-435Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-485Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-535Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-585Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-635Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							
LPS-30C-685Y-FCL-2	START	8148 (72114)																							
	45°	4225 (37395)																							
	END	7402 (65513)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL		Output torque @ supply pressure (barg (PSI))																										
		Spring Torque		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30C-335X-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-360X-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-385Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-435Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-485Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-535Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-585Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-635Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										
LPS-30C-685Y-FCL-3	START	9445 (83600)																										
	45°	4929 (43629)																										
	END	8798 (77875)																										

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-360X-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-385Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-435Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-485Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-535Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-585Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-635Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							
LPS-30C-685Y-FC2-1	START	9163 (81104)																							
	45°	4836 (42807)																							
	END	8911 (78874)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-360X-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-385Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-435Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-485Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-535Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-585Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-635Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							
LPS-30C-685Y-FC2-2	START	10741 (95070)																							
	45°	5607 (49628)																							
	END	10016 (88649)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (PSI))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-360X-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-385Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-435Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-485Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-535Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-585Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-635Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							
LPS-30C-685Y-FC2-3	START	12039 (106556)																							
	45°	6311 (55863)																							
	END	11412 (101010)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30C-335X-FC2.4	START	12874 (113952)																								23227 (205584)
	45°	6822 (60379)																								5311 (47010)
	END	12704 (112439)																								5047 (44669)
LPS-30C-360X-FC2.4	START	12874 (113952)																								25411 (224910)
	45°	6822 (60379)																								6064 (53674)
	END	12704 (112439)																								7301 (64620)
LPS-30C-385Y-FC2.4	START	12874 (113952)																								22876 (202479)
	45°	6822 (60379)																								26978 (239785)
	END	12704 (112439)																								31080 (275091)
LPS-30C-435Y-FC2.4	START	12874 (113952)																								22615 (200165)
	45°	6822 (60379)																								5100 (45141)
	END	12704 (112439)																								4730 (41866)
LPS-30C-485Y-FC2.4	START	12874 (113952)																								25016 (221419)
	45°	6822 (60379)																								31526 (279035)
	END	12704 (112439)																								5972 (52860)
LPS-30C-535Y-FC2.4	START	12874 (113952)																								25564 (226263)
	45°	6822 (60379)																								6117 (54141)
	END	12704 (112439)																								8848 (78116)
LPS-30C-585Y-FC2.4	START	12874 (113952)																								23842 (211022)
	45°	6822 (60379)																								33312 (294846)
	END	12704 (112439)																								8789 (77790)
LPS-30C-635Y-FC2.4	START	12874 (113952)																								25015 (221404)
	45°	6822 (60379)																								30594 (270786)
	END	12704 (112439)																								5928 (52465)
LPS-30C-685Y-FC2.4	START	12874 (113952)																								24615 (220519)
	45°	6822 (60379)																								31407 (277985)
	END	12704 (112439)																								37900 (335450)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-360X-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-385Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-435Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-485Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-535Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-585Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-635Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							
LPS-30C-685Y-FC3-1	START	8790 (77797)																							
	45°	4855 (42973)																							
	END	10042 (88886)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]									
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FC3-2	START	10368 (91763)	18736 (165886)	21842 (193325)	24948 (220813)	28054 (246302)	31160 (271791)	34266 (297280)	37372 (322769)	40478 (348258)	43584 (373747)
	45°	5626 (49794)	4491 (39751)	5562 (49230)	6633 (58708)	7704 (66187)	8775 (75666)	9846 (84145)	10917 (93624)	11988 (103103)	13059 (112582)
	END	11147 (98660)	4605 (40758)	6211 (54976)	7818 (69194)	9425 (81412)	11032 (95630)	12639 (109848)	14246 (123066)	15853 (137284)	17460 (151502)
LPS-30C-360X-FC3-2	START	10368 (91763)	16372 (144906)	19478 (169345)	22584 (193784)	25690 (218223)	28796 (242662)	31902 (277101)	35008 (291540)	38114 (325979)	41220 (350418)
	45°	5626 (49794)	3676 (32534)	4912 (43480)	6149 (54426)	7386 (65372)	8623 (76318)	9860 (85264)	11097 (96210)	12334 (106156)	13571 (117102)
	END	11147 (98660)	3382 (29932)	5237 (46352)	7092 (62771)	8947 (79190)	10802 (95610)	12657 (109830)	14512 (125050)	16367 (141270)	18222 (156490)
LPS-30C-385Y-FC3-2	START	10368 (91763)	16393 (145096)	20495 (181402)	24597 (217708)	28699 (254014)	32801 (290320)	36903 (326626)	41005 (342932)	45107 (379238)	49209 (405544)
	45°	5626 (49794)	3683 (32599)	5098 (45118)	6512 (57638)	7926 (70157)	9341 (82676)	10755 (95196)	12169 (105715)	13584 (117234)	15000 (129753)
	END	11147 (98660)	3393 (30030)	5515 (48809)	7636 (67588)	9758 (86367)	11880 (105146)	14000 (123295)	16120 (139544)	18240 (158793)	20360 (178042)
LPS-30C-435Y-FC3-2	START	10368 (91763)	19099 (169045)	24335 (215394)	29572 (261742)	34809 (308090)	40046 (334438)	45283 (380786)	50520 (427134)	55757 (473482)	61000 (500000)
	45°	5626 (49794)	4616 (40857)	6422 (56840)	8228 (72822)	10033 (88804)	11838 (102786)	13643 (117728)	15448 (133670)	17253 (149612)	19058 (165554)
	END	11147 (98660)	4792 (42418)	7501 (66391)	10210 (90364)	12918 (114338)	15626 (135112)	18334 (159086)	21042 (181860)	23750 (204634)	26458 (227408)
LPS-30C-485Y-FC3-2	START	10368 (91763)	20227 (179032)	26737 (236648)	33246 (294264)	39756 (331880)	46266 (390496)	52776 (448112)	59286 (505728)	65796 (553344)	72306 (590960)
	45°	5626 (49794)	5005 (44301)	7250 (64169)	9495 (84036)	11740 (101904)	13985 (120771)	16230 (139638)	18475 (159505)	20720 (179372)	22965 (199239)
	END	11147 (98660)	5376 (47584)	8743 (77385)	12110 (107186)	15477 (133187)	18844 (163188)	22211 (191189)	25578 (219190)	28945 (247191)	32312 (275192)
LPS-30C-535Y-FC3-2	START	10368 (91763)	19363 (171384)	27284 (241492)	35205 (311599)	43126 (360706)	51047 (429813)	58968 (498920)	66889 (558027)	74810 (637134)	82731 (696241)
	45°	5626 (49794)	4707 (41664)	7439 (65839)	10170 (90014)	12901 (109789)	15632 (133574)	18363 (156359)	21094 (179144)	23825 (199929)	26556 (219714)
	END	11147 (98660)	4929 (43628)	9026 (79890)	13123 (116153)	17220 (147015)	21317 (181977)	25414 (216939)	29511 (249901)	33608 (279863)	37705 (319825)
LPS-30C-585Y-FC3-2	START	10368 (91763)	16092 (142426)	20827 (184338)	25562 (226250)	30333 (251162)	35104 (296074)	39875 (331086)	44646 (376098)	49417 (411110)	54188 (456122)
	45°	5626 (49794)	3579 (31679)	5212 (46131)	6845 (60583)	8478 (72035)	10111 (89488)	11744 (98940)	13377 (109392)	15010 (125844)	16643 (138296)
	END	11147 (98660)	3237 (28650)	5686 (50328)	8135 (72017)	13034 (115364)	17933 (153232)	22832 (193100)	27731 (227968)	32630 (269636)	37529 (319504)
LPS-30C-635Y-FC3-2	START	10368 (91763)	21156 (187250)	26735 (236633)	32314 (286015)	37893 (319898)	43472 (364281)	49051 (418664)	54630 (457547)	60209 (496430)	65788 (545313)
	45°	5626 (49794)	5325 (47135)	7249 (64163)	9173 (81192)	11097 (93220)	13021 (109648)	14945 (125076)	16869 (137504)	18793 (156932)	20717 (175360)
	END	11147 (98660)	5856 (51834)	8742 (77377)	11628 (102920)	15514 (131463)	19400 (162006)	23286 (193449)	27172 (227892)	31058 (257335)	34944 (296778)
LPS-30C-685Y-FC3-2	START	10368 (91763)	20143 (178282)	26655 (235748)	33128 (293213)	39601 (331678)	46074 (381143)	52547 (430608)	59020 (490073)	65493 (549538)	71966 (599003)
	45°	5626 (49794)	4976 (44043)	7215 (63858)	9454 (83674)	11693 (98489)	13932 (117304)	16171 (136719)	18410 (156134)	20649 (177549)	22888 (193964)
	END	11147 (98660)	5332 (47196)	8690 (76919)	12049 (106643)	15408 (131186)	18767 (159729)	22126 (186272)	25485 (211815)	28844 (237358)	32203 (269801)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30C-335X-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-360X-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-385Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-435Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-485Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-535Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-585Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-635Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								
LPS-30C-685Y-FC3-3	START	11665 (103248)																								
	45°	6330 (56029)																								
	END	12543 (111022)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335X-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-360X-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-385Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-435Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-485Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-535Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-585Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-635Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							
LPS-30C-685Y-FC4-1	START	11804 (104481)																							
	45°	6530 (57799)																							
	END	13554 (119967)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																									
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)			
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)		
LPS-30C-335X-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-360X-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-385Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-435Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-485Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-535Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-585Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-635Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								
LPS-30C-685Y-FC4-2	START	13382	(118447)																								
	45°	7301	(64620)																								
	END	14658	(129742)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Output torque @ supply pressure [bar(g) (psi)]																									
	2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)			
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)		
LPS-30C-335X-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-360X-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-385Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-435Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-485Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-535Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-585Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-635Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								
LPS-30C-685Y-FC4-3	START	14001 (123919)																								
	45°	7606 (67320)																								
	END	15112 (133759)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bareg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-30C-335X-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-360X-FC4-4	START	14680 (129932)																					25293 (223866)		
	45°	8005 (70854)																					5993 (53042)		
	END	16055 (142104)																					6036 (53422)		
LPS-30C-385Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-435Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-485Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-535Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-585Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-635Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							
LPS-30C-685Y-FC4-4	START	14680 (129932)																							
	45°	8005 (70854)																							
	END	16055 (142104)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Canted (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (PSI)]														
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)			
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)			
LPS-30C-335X-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														
LPS-30C-360X-FC4-5	START	15516 (137329)													23866 (211234)	
	45°	8515 (75370)													5429 (48050)	
	END	17346 (153532)													5112 (45247)	
LPS-30C-385Y-FC4-5	START	15516 (137329)														25949 (229672)
	45°	8515 (75370)													6147 (54408)	30051 (265978)
	END	17346 (153532)													6190 (54784)	7562 (66928)
LPS-30C-435Y-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														
LPS-30C-485Y-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														
LPS-30C-535Y-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														
LPS-30C-585Y-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														
LPS-30C-635Y-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														
LPS-30C-685Y-FC4-5	START	15516 (137329)														
	45°	8515 (75370)														
	END	17346 (153532)														

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30A-335X-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-360X-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-385Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-435Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-485Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-535Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-585Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-635Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								
LPS-30A-685Y-FCL-1	START	8322 (73655)																								
	45°	3324 (29417)																								
	END	4308 (38128)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																									
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)			
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)		
LPS-30A-335X-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-360X-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-385Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-435Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-485Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-535Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-585Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-635Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									
LPS-30A-685Y-FCL-2	START	10320 (91345)																									
	45°	4054 (35886)																									
	END	5087 (45021)																									

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30A-335X-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-360X-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-385Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-435Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-485Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-535Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-585Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-635Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							
LPS-30A-685Y-FCL-3	START	11964 (105893)																							
	45°	4736 (41919)																							
	END	6033 (53400)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30A-335X-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-360X-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-385Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-435Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-485Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-535Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-585Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-635Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							
LPS-30A-685Y-FC2-1	START	11607 (102732)																							
	45°	4657 (41216)																							
	END	6088 (53889)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30A-335X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-360X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-385X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-435X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-485X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-535X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-585X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							
LPS-30A-635X-FC2-2	START	13605 (120422)																							
	45°	5388 (47685)																							
	END	6867 (60782)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-30A-335X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-360X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-385X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-435X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-485X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-535X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-585X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-635X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							
LPS-30A-685X-FC2-3	START	15249 (134970)																							
	45°	6069 (53719)																							
	END	7814 (69161)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																								
		2.5 (95)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30A-335X-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-360X-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-385Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-435Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-485Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-535Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-585Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-635Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								
LPS-30A-685Y-FC3-1	START	11134 (98543)																								
	45°	4713 (41717)																								
	END	6777 (59983)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30A-335X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-360X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-385X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-435X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-485X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-535X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-585X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-635X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							
LPS-30A-685X-FC3-2	START	13132 (116233)																							
	45°	5444 (48187)																							
	END	7556 (66876)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-30A-335X-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-360X-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-385Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-435Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-485Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-535Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-585Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-635Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							
LPS-30A-685Y-FC3-3	START	14776 (130781)																							
	45°	6126 (54220)																							
	END	8502 (75254)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure (barg (psi))																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30A-335X-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-360X-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-385Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-435Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-485Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-535Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-585Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-635Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							
LPS-30A-685Y-FC4-1	START	14952 (132343)																							
	45°	6341 (56124)																							
	END	9143 (80929)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30 - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-30A-335X-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-360X-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-385Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-435Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-485Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-535Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-585Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-635Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							
LPS-30A-685Y-FC4-2	START	16951 (150033)																							
	45°	7072 (62593)																							
	END	9922 (87822)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																								
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-30A-335X-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-360X-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-385Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-435Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-485Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-535Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-585Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-635Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								
LPS-30A-685Y-FC4-3	START	1734 (156964)																								
	45°	7362 (65159)																								
	END	10241 (90640)																								

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-30A-335X-FC4-4	START	18595 (164581)																							12404 (109787)
	45°	7754 (68627)																							4281 (37894)
	END	10869 (96201)																							3865 (34209)
LPS-30A-360X-FC4-4	START	18595 (164581)																							13834 (122449)
	45°	7754 (68627)																							5034 (44558)
	END	10869 (96201)																							5296 (46870)
LPS-30A-385Y-FC4-4	START	18595 (164581)																							14862 (131540)
	45°	7754 (68627)																							5575 (49342)
	END	10869 (96201)																							6323 (55961)
LPS-30A-435Y-FC4-4	START	18595 (164581)																							15434 (136603)
	45°	7754 (68627)																							5876 (52007)
	END	10869 (96201)																							6895 (61025)
LPS-30A-485Y-FC4-4	START	18595 (164581)																							15434 (136603)
	45°	7754 (68627)																							5876 (52007)
	END	10869 (96201)																							6895 (61025)
LPS-30A-535Y-FC4-4	START	18595 (164581)																							15434 (136603)
	45°	7754 (68627)																							5876 (52007)
	END	10869 (96201)																							6895 (61025)
LPS-30A-585Y-FC4-4	START	18595 (164581)																							15434 (136603)
	45°	7754 (68627)																							5876 (52007)
	END	10869 (96201)																							6895 (61025)
LPS-30A-635Y-FC4-4	START	18595 (164581)																							15434 (136603)
	45°	7754 (68627)																							5876 (52007)
	END	10869 (96201)																							6895 (61025)
LPS-30A-685Y-FC4-4	START	18595 (164581)																							15434 (136603)
	45°	7754 (68627)																							5876 (52007)
	END	10869 (96201)																							6895 (61025)

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 30A - Single Acting - Fail Close - Symmetric (continued)

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (psi)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)	Nm	(in lb)
LPS-30A-335X-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-360X-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-385Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-435Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-485Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-535Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-585Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-635Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							
LPS-30A-685Y-FC4-5	START	19653 (173950)																							
	45°	8257 (73084)																							
	END	11724 (103770)																							

Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 35 - Single Acting - Fail Close - Canted

LPS-35C - CANTED - TORQUE TABLES												
ACTUATOR MODEL	Spring Torque			Output torque @ supply pressure [barg (PSI)]								
	START	45°	END	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-35C-385Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-435Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-485Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-535Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-585Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-635Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-685Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-735Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-785Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										
LPS-35C-835Y-FCL-1	START	0(0)										
	45°	0(0)										
	END	0(0)										

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Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 35 - Single Acting - Fail Close - Symmetric

LPS-35A - SYMMETRICAL - TORQUE TABLES																
ACTUATOR MODEL	Spring Torque			Output torque @ supply pressure [barg (PSI)]												
	START	45°	END	Nm (in lb)	2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
				Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-35A-385Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-435Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-485Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-535Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-585Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-635Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-685Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-735Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-785Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														
LPS-35A-835Y-FCL-1	START	0 (0)														
	45°	0 (0)														
	END	0 (0)														

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Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 40C - Single Acting - Fail Close - Canted

ACTUATOR MODEL	Spring Torque			Output torque @ supply pressure [barg (PSI)]												
	Nm (in lb)	Nm (in lb)	Nm (in lb)	2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)	
LPS-40C-43SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-48SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-53SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-58SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
For more information please contact our factory																
LPS-40C-63SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-68SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-73SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-78SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-83SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-88SY-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													
LPS-40C-1050Y-FCL-1	START	0 (0)	0 (0)													
	45°	0 (0)	0 (0)													
	END	0 (0)	0 (0)													

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Pressure Torque Charts – Single Acting – Imperial and Metric

Torque Table - LPS 40A - Single Acting - Fail Close - Symmetric

ACTUATOR MODEL	Output torque @ supply pressure [bar (PSI)]											
	2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
	Nm (in lb)											
	Nm (in lb)											
LPS-40A-435Y-FCL-1	Spring Torque											
	Nm (in lb)											
	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
LPS-40A-485Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-535Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-585Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-635Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-685Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-735Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-785Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-835Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-885Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
LPS-40A-1050Y-FCL-1	START	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	45°	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	END	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 15 - Double Acting - Canted

ACTUATOR MODEL	Spring Torque	Output torque @ supply pressure [bar(g) (PSI)]															
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)				
	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)	Nm (in lbf)				
LPS-15C-155X-D1	START	762 (6742)	914 (8091)	1066 (9439)	1219 (10788)	1524 (13485)	1828 (16181)	2133 (18878)	2438 (21575)	2742 (24272)	3047 (26969)	3352 (29666)	3656 (32363)				
	45°	263 (2325)	315 (2790)	368 (3255)	420 (3720)	525 (4650)	630 (5580)	735 (6510)	841 (7440)	946 (8370)	1051 (9300)	1156 (10230)	1261 (11160)				
	END	394 (3487)	473 (4185)	552 (4882)	630 (5580)	788 (6975)	946 (8370)	1103 (9765)	1261 (11160)	1418 (12555)	1576 (13949)	1734 (15344)	1891 (16739)				
LPS-15C-175X-D1	START	979 (8667)	1175 (10400)	1371 (12133)	1567 (13866)	1958 (17333)	2350 (20800)	2742 (24266)	3133 (27733)	3525 (31200)	3917 (34666)	4308 (38133)	4700 (41599)				
	45°	338 (2988)	405 (3586)	473 (4184)	540 (4782)	675 (5977)	810 (7172)	945 (8368)	1080 (9563)	1216 (10758)	1351 (11954)	1486 (13149)	1621 (14345)				
	END	506 (4483)	608 (5379)	709 (6276)	810 (7172)	1013 (8965)	1216 (10758)	1418 (12552)	1621 (14345)	1823 (16138)	2026 (17931)	2228 (19724)	2431 (21517)				
LPS-15C-200X-D1	START	1288 (11400)	1546 (13680)	1803 (15960)	2061 (18240)	2576 (22800)	3091 (27360)	3606 (31920)	4122 (36480)	4637 (41040)	5152 (45600)	5667 (50160)	6182 (54720)				
	45°	444 (3931)	533 (4717)	622 (5503)	711 (6290)	888 (7862)	1066 (9434)	1244 (11007)	1421 (12579)	1599 (14152)	1777 (15724)	1954 (17296)	2132 (18868)				
	END	666 (5896)	799 (7076)	933 (8255)	1066 (9434)	1332 (11793)	1599 (14152)	1865 (16510)	2132 (18868)	2398 (21227)	2665 (23586)	2932 (25945)	3198 (28304)				
LPS-15C-235X-D1	START	1789 (15839)	2147 (19007)	2505 (22174)	2863 (25342)	3579 (31678)	4295 (38013)	5011 (44349)	5727 (50684)	6443 (56819)	7159 (63954)	7875 (70089)	8591 (77224)				
	45°	617 (5462)	740 (6554)	864 (7646)	987 (8739)	1234 (10923)	1481 (13108)	1728 (15293)	1975 (17478)	2222 (19662)	2469 (21847)	2716 (24031)	2963 (26216)				
	END	926 (8193)	1111 (9831)	1296 (11470)	1481 (13108)	1851 (16385)	2221 (19662)	2592 (23239)	2963 (26216)	3334 (29793)	3704 (32787)	4075 (36471)	4445 (39555)				
LPS-15C-255X-D1	START	2112 (18696)	2535 (22485)	2957 (26175)	3380 (29914)	4225 (37392)	5070 (44871)	5915 (52350)	6760 (60189)	7605 (67428)	8450 (74867)	9295 (82506)	10140 (90345)				
	45°	728 (6447)	874 (7736)	1020 (9026)	1165 (10315)	1457 (12894)	1748 (15473)	2039 (18352)	2330 (20731)	2621 (23110)	2912 (25689)	3203 (28268)	3494 (30847)				
	END	1093 (9670)	1311 (11604)	1530 (13539)	1748 (15473)	2185 (19344)	2622 (23209)	3059 (27174)	3496 (30939)	3933 (34604)	4370 (39269)	4807 (42534)	5244 (46799)				
LPS-15C-285X-D1	START	2646 (23419)	3175 (28103)	3704 (32787)	4234 (37471)	5292 (46839)	6350 (56107)	7408 (65975)	8466 (75043)	9524 (84111)	10582 (94179)	11640 (103247)	12698 (113315)				
	45°	912 (8076)	1095 (9691)	1277 (11306)	1460 (12921)	1825 (16151)	2190 (19382)	2555 (22613)	2920 (25844)	3285 (29375)	3650 (32506)	4015 (35737)	4380 (39268)				
	END	1389 (12113)	1642 (14556)	1916 (16999)	2190 (19382)	2737 (24227)	3284 (29372)	3831 (33917)	4378 (39262)	4925 (43507)	5472 (48552)	6019 (53097)	6566 (58342)				
LPS-15C-300X-D1	START	2935 (25978)	3522 (31173)	4109 (36369)	4696 (41564)	5834 (51692)	6972 (62020)	8110 (72148)	9248 (82076)	10386 (92004)	11524 (102332)	12662 (112460)	13800 (123788)				
	45°	1012 (8958)	1214 (10749)	1417 (12541)	1619 (14333)	2021 (17924)	2423 (21415)	2825 (24906)	3227 (28597)	3629 (32288)	4031 (35979)	4433 (39670)	4835 (43061)				
	END	1518 (13437)	1822 (16124)	2125 (18811)	2429 (21499)	3032 (26990)	3635 (32481)	4238 (37972)	4841 (42863)	5444 (48354)	6047 (53845)	6650 (59336)	7253 (64827)				
LPS-15C-335X-D1	START	3667 (32458)	4401 (38949)	5134 (45441)	5867 (52032)	7235 (64524)	8603 (76016)	9971 (88108)	11339 (101199)	12707 (113190)	14075 (125781)	15443 (137772)	16811 (150763)				
	45°	1265 (11192)	1517 (13431)	1770 (15669)	2023 (18107)	2504 (22345)	2985 (26583)	3466 (30821)	3947 (34859)	4428 (39297)	4909 (43535)	5390 (48073)	5871 (52311)				
	END	1897 (16788)	2276 (20146)	2655 (23504)	3034 (27262)	3755 (33590)	4476 (39838)	5197 (46386)	5918 (52634)	6639 (59122)	7360 (66010)	8081 (72498)	8802 (78386)				
LPS-15C-360X-D1	START	4239 (37523)	5087 (45028)	5935 (52433)	6783 (60438)	8321 (74030)	9859 (87022)	11397 (101113)	12935 (114605)	14473 (128597)	16011 (143589)	17549 (157581)	19087 (171573)				
	45°	1462 (12939)	1754 (15527)	2046 (18315)	2338 (20903)	2900 (25895)	3462 (30887)	4024 (35879)	4586 (40871)	5148 (45863)	5710 (51055)	6272 (55847)	6834 (60639)				
	END	2193 (19409)	2631 (23290)	3069 (27571)	3507 (31362)	4355 (38954)	5203 (46145)	6051 (53737)	6899 (61329)	7747 (69321)	8595 (77313)	9443 (84305)	10291 (92297)				
LPS-15C-385X-D1	START	4853 (42954)	5841 (51659)	6829 (60564)	7817 (69469)	9585 (85061)	11353 (100653)	13121 (117145)	14889 (133637)	16657 (149129)	18425 (165121)	20193 (181113)	21961 (200005)				
	45°	1673 (14812)	1992 (17600)	2311 (20688)	2630 (23476)	3232 (28764)	3834 (34052)	4436 (39540)	5038 (45028)	5640 (50116)	6242 (55504)	6844 (60792)	7446 (66480)				
	END	2510 (22217)	2999 (26705)	3488 (31193)	3977 (35481)	4900 (43473)	5823 (51865)	6746 (60257)	7669 (68649)	8592 (77041)	9515 (84433)	10438 (93225)	11361 (101917)				

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 15 - Double Acting - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)														
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)			
LPS - 15A - 155X - D1	START	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
	45°	499 (4417)	599 (5301)	699 (6184)	799 (7088)	898 (8835)	998 (9580)	1098 (10602)	1198 (13269)	1297 (14135)	1397 (15902)	1496 (17669)	1595 (19436)	1694 (21203)	1793 (22970)	1892 (24737)
	END	N.A.	599 (5301)	699 (6184)	799 (7088)	898 (8835)	998 (9580)	1098 (10602)	1198 (13269)	1297 (14135)	1397 (15902)	1496 (17669)	1595 (19436)	1694 (21203)	1793 (22970)	1892 (24737)
LPS - 15A - 175X - D1	START	N.A.	770 (6814)	898 (7949)	1026 (9085)	1283 (11356)	1540 (13627)	1796 (15899)	2053 (18170)	2309 (20441)	2566 (22712)	2823 (24984)	3079 (27255)	3336 (29526)	3592 (31797)	3849 (34068)
	45°	N.A.	405 (3586)	473 (4184)	540 (4782)	675 (5977)	810 (7172)	945 (8368)	1080 (9563)	1216 (10758)	1351 (11954)	1486 (13149)	1621 (14345)	1757 (15540)	1892 (16736)	2027 (17931)
	END	N.A.	770 (6814)	898 (7949)	1026 (9085)	1283 (11356)	1540 (13627)	1796 (15899)	2053 (18170)	2309 (20441)	2566 (22712)	2823 (24984)	3079 (27255)	3336 (29526)	3592 (31797)	3849 (34068)
LPS - 15A - 200X - D1	START	N.A.	844 (7469)	1013 (8963)	1181 (10458)	1350 (11950)	1688 (14938)	2025 (17925)	2363 (20913)	2700 (23900)	3038 (26888)	3375 (29876)	3713 (32863)	4050 (35851)	4388 (38839)	4725 (41826)
	45°	N.A.	444 (3931)	533 (4717)	622 (5503)	711 (6290)	888 (7862)	1066 (9434)	1244 (11007)	1421 (12579)	1599 (14152)	1777 (15724)	1954 (17296)	2132 (18869)	2310 (20441)	2488 (22014)
	END	N.A.	844 (7469)	1013 (8963)	1181 (10458)	1350 (11950)	1688 (14938)	2025 (17925)	2363 (20913)	2700 (23900)	3038 (26888)	3375 (29876)	3713 (32863)	4050 (35851)	4388 (38839)	4725 (41826)
LPS - 15A - 235X - D1	START	N.A.	1172 (10377)	1407 (12453)	1641 (14528)	1876 (16603)	2345 (20754)	2814 (24905)	3283 (29056)	3752 (33207)	4221 (37358)	4690 (41509)	5159 (45660)	5628 (49811)	6097 (53962)	6566 (59113)
	45°	N.A.	617 (5462)	740 (6554)	864 (7646)	987 (8739)	1234 (10923)	1481 (13108)	1728 (15293)	1975 (17477)	2221 (19662)	2468 (21847)	2715 (24031)	2962 (26216)	3209 (28401)	3456 (30586)
	END	N.A.	1172 (10377)	1407 (12453)	1641 (14528)	1876 (16603)	2345 (20754)	2814 (24905)	3283 (29056)	3752 (33207)	4221 (37358)	4690 (41509)	5159 (45660)	5628 (49811)	6097 (53962)	6566 (59113)
LPS - 15A - 255X - D1	START	N.A.	1384 (12249)	1661 (14699)	1938 (17149)	2214 (19599)	2768 (24498)	3321 (29398)	3875 (34298)	4429 (39197)	4982 (44097)	5536 (49997)	6090 (54897)	6644 (59797)	7198 (64697)	7752 (69597)
	45°	N.A.	728 (6447)	874 (7736)	1020 (9026)	1165 (10315)	1457 (12894)	1748 (15473)	2039 (18051)	2331 (20630)	2622 (23209)	2913 (25788)	3204 (28367)	3495 (30946)	3786 (33525)	4077 (36104)
	END	N.A.	1384 (12249)	1661 (14699)	1938 (17149)	2214 (19599)	2768 (24498)	3321 (29398)	3875 (34298)	4429 (39197)	4982 (44097)	5536 (49997)	6090 (54897)	6644 (59797)	7198 (64697)	7752 (69597)
LPS - 15A - 285X - D1	START	N.A.	1734 (15344)	2080 (18412)	2427 (21481)	2774 (24550)	3467 (30687)	4161 (36825)	4854 (42962)	5548 (49600)	6242 (55238)	6936 (61876)	7630 (68514)	8324 (75152)	9018 (81790)	9712 (88428)
	45°	N.A.	1095 (9691)	1277 (11306)	1460 (12921)	1643 (14536)	2024 (17916)	2405 (21496)	2786 (24876)	3167 (28256)	3548 (31636)	3929 (34816)	4310 (38396)	4691 (42076)	5072 (45256)	5453 (48436)
	END	N.A.	1734 (15344)	2080 (18412)	2427 (21481)	2774 (24550)	3467 (30687)	4161 (36825)	4854 (42962)	5548 (49600)	6242 (55238)	6936 (61876)	7630 (68514)	8324 (75152)	9018 (81790)	9712 (88428)
LPS - 15A - 300X - D1	START	N.A.	1923 (17020)	2308 (20424)	2692 (23828)	3077 (27232)	3846 (34040)	4615 (40848)	5384 (47656)	6153 (54464)	6922 (61272)	7691 (68680)	8460 (75488)	9229 (82296)	10000 (89104)	10769 (95912)
	45°	N.A.	1012 (8958)	1214 (10749)	1417 (12541)	1619 (14333)	2024 (17916)	2429 (21499)	2834 (25082)	3239 (28965)	3644 (32648)	4049 (36331)	4454 (40014)	4859 (43697)	5264 (47380)	5669 (51063)
	END	N.A.	1923 (17020)	2308 (20424)	2692 (23828)	3077 (27232)	3846 (34040)	4615 (40848)	5384 (47656)	6153 (54464)	6922 (61272)	7691 (68680)	8460 (75488)	9229 (82296)	10000 (89104)	10769 (95912)
LPS - 15A - 335X - D1	START	N.A.	2403 (21265)	2883 (25518)	3364 (29771)	3844 (34025)	4805 (42531)	5766 (51137)	6727 (60743)	7688 (68749)	8649 (77355)	9610 (85961)	10571 (94567)	11532 (103173)	12493 (111779)	13454 (120385)
	45°	N.A.	1265 (11192)	1517 (13431)	1770 (15669)	2023 (17908)	2529 (22385)	3035 (27262)	3541 (31739)	4047 (36416)	4553 (41093)	5059 (45770)	5565 (51347)	6071 (55024)	6577 (60701)	7083 (64378)
	END	N.A.	2403 (21265)	2883 (25518)	3364 (29771)	3844 (34025)	4805 (42531)	5766 (51137)	6727 (60743)	7688 (68749)	8649 (77355)	9610 (85961)	10571 (94567)	11532 (103173)	12493 (111779)	13454 (120385)
LPS - 15A - 360X - D1	START	N.A.	2778 (24584)	3333 (29501)	3889 (34418)	4444 (39335)	5405 (48531)	6366 (57137)	7327 (65743)	8288 (74349)	9249 (82955)	10210 (91561)	11171 (100167)	12132 (108773)	13093 (117379)	14054 (125985)
	45°	N.A.	1462 (12939)	1754 (15527)	2047 (18115)	2339 (20703)	2844 (25380)	3349 (30057)	3854 (34734)	4359 (40411)	4864 (44088)	5369 (50365)	5874 (54042)	6379 (59719)	6884 (65396)	7389 (71073)
	END	N.A.	2778 (24584)	3333 (29501)	3889 (34418)	4444 (39335)	5405 (48531)	6366 (57137)	7327 (65743)	8288 (74349)	9249 (82955)	10210 (91561)	11171 (100167)	12132 (108773)	13093 (117379)	14054 (125985)
LPS - 15A - 385X - D1	START	N.A.	3180 (28142)	3815 (33770)	4451 (39399)	5087 (45027)	6148 (54833)	7209 (64639)	8270 (74445)	9331 (83251)	10392 (93057)	11453 (102863)	12514 (112669)	13575 (122475)	14636 (131281)	15697 (140087)
	45°	N.A.	1673 (14812)	2008 (17774)	2343 (20736)	2678 (23699)	3283 (29382)	3888 (34845)	4493 (40808)	5098 (46471)	5703 (52034)	6308 (57597)	6913 (64160)	7518 (69723)	8123 (74286)	8728 (79849)
	END	N.A.	3180 (28142)	3815 (33770)	4451 (39399)	5087 (45027)	6148 (54833)	7209 (64639)	8270 (74445)	9331 (83251)	10392 (93057)	11453 (102863)	12514 (112669)	13575 (122475)	14636 (131281)	15697 (140087)

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 20 - Double Acting - Canted

ACTUATOR MODEL	Output torque @ supply pressure [barng [PSI]]																										
	Spring Torque		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)		
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS-20C-235X-D1	START	N.A.	2352 (20820)	2823 (24984)	3293 (29148)	3764 (33312)	4704 (41639)	5645 (4967)	6586 (58295)	7527 (66623)	8468 (74951)	9409 (83279)	10350 (91607)	11291 (100000)	12232 (108332)	13173 (116665)	14114 (125000)	15055 (133332)	16000 (141665)	16945 (150000)	17890 (158332)	18835 (166665)	19780 (175000)	20725 (183332)	21670 (191665)	22615 (200000)	
	45°	N.A.	811 (7179)	973 (8615)	1136 (10051)	1298 (11487)	1622 (14358)	1947 (17230)	2271 (20102)	2596 (22974)	2920 (25845)	3244 (28717)	3569 (31589)	3893 (34460)	4218 (37332)	4543 (40204)	4867 (43075)	5192 (45947)	5517 (48819)	5841 (51691)	6166 (54563)	6491 (57435)	6816 (60307)	7141 (63179)	7466 (66051)	7791 (68923)	8116 (71795)
	END	N.A.	1217 (10769)	1460 (12923)	1703 (15076)	1947 (17230)	2433 (21338)	2920 (25845)	3407 (30353)	3893 (34460)	4380 (38768)	4867 (43075)	5355 (47383)	5843 (51691)	6330 (55999)	6817 (59307)	7304 (63615)	7791 (67923)	8278 (72231)	8765 (76539)	9252 (80847)	9739 (85155)	10226 (89463)	10713 (93771)	11200 (98079)	11687 (102387)	12174 (106695)
LPS-20C-235X-D1	START	N.A.	2779 (24598)	3335 (29518)	3891 (34437)	4447 (39357)	5588 (49196)	6670 (59036)	7782 (68875)	8893 (78714)	10005 (88553)	11117 (98393)	12229 (108232)	13341 (118072)	14453 (127912)	15565 (137752)	16677 (147592)	17789 (157432)	18901 (167272)	20013 (177112)	21125 (186952)	22237 (196792)	23349 (206632)	24461 (216472)	25573 (226312)	26685 (236152)	27797 (245992)
	45°	N.A.	958 (8482)	1150 (10179)	1342 (11875)	1533 (13571)	1917 (16964)	2300 (20357)	2683 (23750)	3067 (27143)	3450 (30536)	3833 (33929)	4217 (37322)	4600 (40715)	4984 (44108)	5368 (47501)	5751 (50894)	6135 (54287)	6519 (57680)	6903 (61073)	7287 (64466)	7671 (67859)	8055 (71252)	8439 (74645)	8823 (78038)	9207 (81431)	9591 (84824)
	END	N.A.	1437 (12723)	1725 (15268)	2012 (17812)	2300 (20357)	2875 (25446)	3450 (30536)	4025 (35625)	4600 (40714)	5175 (45803)	5750 (50892)	6325 (55981)	6900 (61070)	7475 (66159)	8050 (71248)	8625 (76337)	9200 (81426)	9775 (86515)	10350 (91604)	10925 (96693)	11500 (101782)	12075 (106871)	12650 (111960)	13225 (117049)	13800 (122138)	14375 (127227)
LPS-20C-285X-D1	START	N.A.	3485 (30844)	4182 (37013)	4879 (43182)	5576 (49351)	6970 (61688)	8364 (74026)	9757 (86363)	11151 (97701)	12545 (109039)	13939 (120377)	15333 (131715)	16727 (143053)	18121 (154391)	19515 (165729)	20909 (177067)	22303 (188405)	23697 (199743)	25091 (211081)	26485 (222419)	27879 (233757)	29273 (245095)	30667 (256433)	32061 (267771)	33455 (279109)	34849 (290447)
	45°	N.A.	1202 (10636)	1442 (12763)	1682 (14890)	1923 (17017)	2403 (21272)	2884 (25526)	3365 (29780)	3846 (34034)	4327 (37288)	4808 (41542)	5289 (45796)	5770 (50050)	6251 (54304)	6732 (58558)	7213 (62812)	7694 (67066)	8175 (71320)	8656 (75574)	9137 (79828)	9618 (84082)	10100 (88336)	10581 (92590)	11062 (96844)	11543 (101098)	12024 (105352)
	END	N.A.	1802 (15954)	2165 (19145)	2523 (22335)	2884 (25526)	3605 (31908)	4326 (38289)	5047 (44671)	5768 (51053)	6489 (56435)	7210 (61817)	7931 (67199)	8652 (72581)	9373 (77963)	10094 (83345)	10815 (88727)	11536 (94109)	12257 (99491)	12978 (104873)	13700 (110255)	14421 (115637)	15142 (121019)	15863 (126401)	16584 (131783)	17305 (137165)	18026 (142547)
LPS-20C-300X-D1	START	N.A.	3867 (34227)	4640 (41073)	5414 (47918)	6187 (54764)	7734 (68455)	9281 (82145)	10828 (95836)	12375 (109527)	13922 (121218)	15469 (132909)	17016 (144600)	18563 (156291)	20110 (167982)	21657 (179673)	23204 (191364)	24751 (203055)	26298 (214746)	27845 (226437)	29392 (238128)	30939 (249819)	32486 (261510)	34033 (273201)	35580 (284892)	37127 (296583)	38674 (308274)
	45°	N.A.	1333 (11803)	1600 (14163)	1867 (16524)	2134 (18884)	2667 (23605)	3200 (28326)	3734 (33047)	4267 (37768)	4800 (42489)	5334 (47210)	5867 (51931)	6400 (56652)	6934 (61373)	7467 (66094)	8000 (70815)	8534 (75536)	9067 (80257)	9600 (84978)	10134 (89699)	10667 (94420)	11200 (99141)	11734 (103862)	12267 (108583)	12800 (113304)	13334 (118025)
	END	N.A.	2000 (17704)	2400 (21245)	2800 (24785)	3200 (28326)	4000 (35408)	4800 (42489)	5601 (49571)	6402 (56653)	7203 (63735)	8004 (70817)	8805 (77899)	9606 (84981)	10407 (92063)	11208 (99145)	12009 (106227)	12810 (113309)	13611 (120391)	14412 (127473)	15213 (134555)	16014 (141637)	16815 (148719)	17616 (155801)	18417 (162883)	19218 (170000)	20019 (177117)
LPS-20C-355X-D1	START	N.A.	4835 (42796)	5802 (51355)	6769 (59915)	7736 (68474)	9670 (85392)	11604 (94310)	13538 (113228)	15472 (131146)	17406 (149064)	19340 (166982)	21274 (184900)	23208 (192818)	25142 (200736)	27076 (218654)	29010 (236572)	30944 (254490)	32878 (272408)	34812 (290326)	36746 (308244)	38680 (326162)	40614 (344080)	42548 (361998)	44482 (379916)	46416 (397834)	48350 (415752)
	45°	N.A.	1667 (14757)	2001 (17709)	2334 (20660)	2668 (23612)	3335 (29515)	4002 (35417)	4670 (41319)	5337 (47221)	6004 (53123)	6671 (59025)	7338 (64927)	8005 (70829)	8672 (76731)	9339 (82633)	10006 (88535)	10673 (94437)	11340 (100339)	12007 (106241)	12674 (112143)	13341 (118045)	14008 (123947)	14675 (129849)	15342 (135751)	16009 (141653)	16676 (147555)
	END	N.A.	2501 (22136)	3001 (26563)	3501 (30990)	4002 (35417)	5002 (44272)	6003 (53127)	7004 (61982)	8005 (70837)	9006 (79692)	10007 (88547)	11008 (97402)	12009 (106257)	13010 (115112)	14011 (123967)	15012 (132822)	16013 (141677)	17014 (150532)	18015 (159387)	19016 (168242)	20017 (177097)	21018 (185952)	22019 (194807)	23020 (203662)	24021 (212517)	25022 (221372)
LPS-20C-360X-D1	START	N.A.	5592 (49495)	6710 (59394)	7829 (69293)	8947 (79192)	10881 (94991)	12815 (110790)	14750 (122589)	16684 (137388)	18619 (152187)	20553 (166986)	22488 (181785)	24422 (196584)	26357 (211383)	28291 (226182)	30226 (240981)	32160 (255780)	34095 (270579)	36030 (285378)	37964 (290177)	39900 (304976)	41834 (319775)	43769 (334574)	45704 (349373)	47638 (364172)	49573 (378971)
	45°	N.A.	1928 (17067)	2314 (20481)	2700 (23894)	3085 (27308)	3335 (29515)	3585 (31722)	3835 (33929)	4085 (36136)	4335 (38343)	4585 (40550)	4835 (42757)	5085 (44964)	5335 (47171)	5585 (49378)	5835 (51585)	6085 (53792)	6335 (56000)	6585 (58207)	6835 (60414)	7085 (62621)	7335 (64828)	7585 (67035)	7835 (69242)	8085 (71449)	8335 (73656)
	END	N.A.	2892 (25601)	3471 (30721)	4049 (35841)	4628 (40961)	5207 (46081)	5786 (51201)	6365 (56321)	6944 (61441)	7523 (66561)	8102 (71681)	8681 (76801)	9260 (81921)	9839 (87041)	10418 (92161)	11000 (97281)	11579 (102401)	12158 (107521)	12737 (112641)	13316 (117761)	13895 (122881)	14474 (128001)	15053 (133121)	15632 (138241)	16211 (143361)	16790 (148481)
LPS-20C-385X-D1	START	N.A.	6403 (56676)	7684 (68011)	8965 (79346)	10245 (90682)	12209 (106881)	14173 (123080)	16137 (139279)	18101 (155478)	20065 (171677)	22029 (187876)	24000 (194075)	25964 (210274)	27928 (226473)	29892 (232672)	31856 (248871)	33820 (265070)	35784 (271269)	37748 (287468)	39712 (293667)	41676 (309866)	43640 (326065)	45604 (342264)	47568 (358463)	49532 (374662)	51496 (390861)
	45°	N.A.	2208 (19543)	2650 (23452)	3091 (27361)	3533 (31270)	3975 (35179)	4417 (39088)	4859 (42997)	5301 (46906)	5743 (50815)	6185 (54724)	6627 (58633)	7069 (62542)	7511 (66451)	7953 (70360)	8395 (74269)	8837 (78178)	9279 (82087)	9721 (85996)	10163 (89905)	10605 (93814)	11047 (97723)	11489 (101632)	11931 (105541)	12373 (109450)	12815 (113359)
	END	N.A.	3312 (29315)	3974 (35178)	4637 (41041)	5299 (46904)	5962 (51767)	6624 (56630)	7287 (61493)	7949 (66356)	8612 (71219)	9274 (76082)	9937 (80945)	10600 (85808)	11262 (90671)	11925 (95534)	12587 (100397)	13250 (105260)	13912 (110123)	14575 (114986)	15237 (119849)	15900 (124712)	16562 (129575)	17225 (134438)	17887 (139301)	18550 (144164)	19212 (149027)
LPS-20C-435X-D1	START	N.A.	8189 (72484)	9827 (86980)	11465 (95476)	13103 (104972)	15741 (129468)	18379 (145964)	21017 (162460)	23655 (178956)	26293 (195452)	28931 (211948)	31569 (228444)	34207 (244940)	36845 (261436)	39483 (277932)	42121 (294428)	44759 (310924)	47397 (327420)	50035 (343916)	52673 (360412)	55311 (376908)	57949 (393404)	60587 (409900)	63225 (426396)	65863 (442892)	68501 (459388)
	45°	N.A.	2824 (24994)	3389 (29993)	3954 (34992)	4519 (39991)	5084 (44990)	5649 (49989)	6214 (54988)	6779 (59987)	7344 (64986)	7909 (69985)	8474 (74984)	9039 (79983)	9604 (84982)	10169 (89981)	10734 (94980)	11299 (99979)	11864 (104978)	12429 (109977)	12994 (114976)	13559 (119975)	14124 (124974)	14689 (129973)	15254 (134972)	15819 (139971)	16384 (144970)
	END	N.A.	4236 (37491)	5085 (44990)	5934 (51989)	6783 (56988)	7632 (61987)	8481 (66986)	9330 (71985)	10179 (76984)	11028 (81983)	11877 (86982)	12726 (91981)	13575 (96980)	14424 (101979)	15273 (106978)	16122 (111977)	16971 (116976)	17820 (121975)	18669 (126974)	19518 (131973)	20367 (136972)	21216 (141971)	22065 (146970)	22914 (151969)	23763 (156968)	24612 (161967)
LPS-20C-485X-D1	START	N.A.	10193 (90219)	12161 (103155)	14129 (113091)	16097 (123027)	19209 (142963)	22321 (162899)	25433 (182835)	28545 (192771)	31657 (202707)	34769 (212643)	37881 (222579)	40993 (232515)	44105 (242451)	47217 (252387)	50329 (262323)	53441 (272259)	56553 (282195)	59665 (292131)	62777 (302067)	65889 (312003)	68991 (321939)	72103 (331875)	75215 (341811)	78327 (351747)	81439 (361683)
	45°	N.A.	3515 (31110)	4182 (34993)	4849 (38876)	5516 (42759)	6183 (46642)	6850 (50525)	7517 (54408)	8184 (58291)	8851 (62174)	9518 (66057)	10185 (69940)	10852 (73823)	11519 (77706)	12186 (81589)	12853 (85472)	13520 (89355)	14187 (93238)	14854 (97121)	15521 (101004						

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 20 - Double Acting - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] [PSI]													
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)		
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	
LPS - 20A - 235X - D1	START	1541 (13641)	1849 (16369)	2158 (19097)	2466 (21825)	3082 (27281)	3699 (32737)	4315 (38193)	4932 (43650)	5548 (49106)	6165 (54562)	6781 (60018)	7397 (65475)	8012 (70911)	8740 (77357)
	45°	811 (7179)	973 (8615)	1136 (10051)	1298 (11487)	1622 (14358)	1947 (17230)	2271 (20102)	2596 (22974)	2920 (25845)	3244 (28717)	3569 (31589)	3893 (34460)	4217 (37321)	4600 (40714)
	END	N.A.	1849 (16369)	2158 (19097)	2466 (21825)	3082 (27281)	3699 (32737)	4315 (38193)	4932 (43650)	5548 (49106)	6165 (54562)	6781 (60018)	7397 (65475)	8012 (70911)	8740 (77357)
LPS - 20A - 255X - D1	START	1821 (16116)	2185 (19339)	2549 (22622)	2913 (25786)	3642 (32322)	4370 (38678)	5098 (45125)	5827 (51571)	6555 (58018)	7283 (64464)	8012 (70911)	8740 (77357)	9469 (83803)	10258 (90798)
	45°	958 (8482)	1150 (10179)	1342 (11875)	1533 (13571)	1917 (16964)	2300 (20357)	2683 (23750)	3067 (27143)	3450 (30536)	3833 (33928)	4217 (37321)	4600 (40714)	4984 (44207)	5367 (47600)
	END	N.A.	2185 (19339)	2549 (22622)	2913 (25786)	3642 (32322)	4370 (38678)	5098 (45125)	5827 (51571)	6555 (58018)	7283 (64464)	8012 (70911)	8740 (77357)	9469 (83803)	10258 (90798)
LPS - 20A - 285X - D1	START	2283 (20208)	2740 (24250)	3196 (28291)	3653 (32333)	4566 (40416)	5480 (48500)	6393 (56583)	7306 (64666)	8219 (72749)	9133 (80833)	10046 (88916)	10959 (96999)	11872 (105800)	12785 (113783)
	45°	1202 (10636)	1442 (12763)	1682 (14890)	1923 (17017)	2403 (21172)	2884 (25526)	3365 (29780)	3846 (34034)	4326 (38289)	4807 (42544)	5287 (46798)	5768 (51052)	6249 (54806)	6730 (59560)
	END	N.A.	2740 (24250)	3196 (28291)	3653 (32333)	4566 (40416)	5480 (48500)	6393 (56583)	7306 (64666)	8219 (72749)	9133 (80833)	10046 (88916)	10959 (96999)	11872 (105800)	12785 (113783)
LPS - 20A - 300X - D1	START	2534 (22425)	3040 (26910)	3547 (31395)	4054 (35880)	5067 (44850)	6081 (53819)	7094 (62788)	8107 (71759)	9121 (80729)	10134 (89699)	11147 (98669)	12160 (107639)	13173 (116609)	14186 (125579)
	45°	1333 (11803)	1600 (14163)	1867 (16524)	2134 (18884)	2667 (23605)	3200 (28326)	3734 (33047)	4267 (37768)	4800 (42489)	5334 (47210)	5867 (51931)	6400 (56652)	6934 (61373)	7467 (66094)
	END	N.A.	3040 (26910)	3547 (31395)	4054 (35880)	5067 (44850)	6081 (53819)	7094 (62788)	8107 (71759)	9121 (80729)	10134 (89699)	11147 (98669)	12160 (107639)	13173 (116609)	14186 (125579)
LPS - 20A - 335X - D1	START	3168 (28039)	3801 (33647)	4435 (39254)	5069 (44862)	6336 (56078)	7603 (67293)	8870 (78509)	10137 (89724)	11404 (99940)	12671 (111156)	13938 (123372)	15205 (133588)	16472 (144804)	17739 (156020)
	45°	1667 (14757)	2001 (17709)	2334 (20660)	2668 (23612)	3335 (29515)	4002 (35417)	4668 (41320)	5335 (47223)	6002 (52126)	6668 (58029)	7335 (64932)	8002 (70835)	8668 (76738)	9335 (82641)
	END	N.A.	3801 (33647)	4435 (39254)	5069 (44862)	6336 (56078)	7603 (67293)	8870 (78509)	10137 (89724)	11404 (99940)	12671 (111156)	13938 (123372)	15205 (133588)	16472 (144804)	17739 (156020)
LPS - 20A - 360X - D1	START	3664 (32428)	4396 (38913)	5129 (45399)	5862 (51885)	7327 (64856)	8793 (77827)	10258 (90798)	11723 (103209)	13188 (116780)	14653 (128931)	16118 (142382)	17583 (155333)	19048 (167284)	20513 (179235)
	45°	1928 (17067)	2314 (20481)	2700 (23894)	3085 (27308)	3857 (34135)	4628 (40961)	5399 (47788)	6170 (54615)	6941 (61442)	7712 (67969)	8483 (75196)	9254 (81923)	10025 (88650)	10796 (95377)
	END	N.A.	4396 (38913)	5129 (45399)	5862 (51885)	7327 (64856)	8793 (77827)	10258 (90798)	11723 (103209)	13188 (116780)	14653 (128931)	16118 (142382)	17583 (155333)	19048 (167284)	20513 (179235)
LPS - 20A - 385X - D1	START	4195 (37133)	5034 (44559)	5873 (51986)	6712 (59412)	8391 (74265)	10069 (89118)	11747 (103271)	13425 (117924)	15103 (132377)	16781 (147830)	18459 (163283)	20137 (177736)	21815 (193189)	23493 (205642)
	45°	2208 (19543)	2650 (23452)	3091 (27361)	3533 (31270)	4416 (39087)	5299 (46904)	6182 (54721)	7065 (62538)	7948 (69355)	8831 (77172)	9714 (85089)	10597 (92906)	11480 (100623)	12363 (107440)
	END	N.A.	5034 (44559)	5873 (51986)	6712 (59412)	8391 (74265)	10069 (89118)	11747 (103271)	13425 (117924)	15103 (132377)	16781 (147830)	18459 (163283)	20137 (177736)	21815 (193189)	23493 (205642)
LPS - 20A - 435X - D1	START	5365 (47489)	6438 (56987)	7512 (66485)	8585 (75983)	10731 (94978)	12877 (113273)	15023 (132268)	17169 (151763)	19315 (170758)	21461 (189253)	23607 (207748)	25753 (226243)	27899 (244738)	30045 (263233)
	45°	2824 (24994)	3389 (29993)	3953 (34992)	4518 (39991)	5648 (49989)	6778 (58987)	7908 (68985)	9038 (79383)	10168 (88781)	11298 (98779)	12428 (107777)	13558 (117775)	14688 (127773)	15818 (137771)
	END	N.A.	6438 (56987)	7512 (66485)	8585 (75983)	10731 (94978)	12877 (113273)	15023 (132268)	17169 (151763)	19315 (170758)	21461 (189253)	23607 (207748)	25753 (226243)	27899 (244738)	30045 (263233)
LPS - 20A - 485X - D1	START	6678 (59109)	8014 (70931)	9350 (82753)	10685 (94574)	13311 (116795)	15937 (139617)	18563 (163439)	21189 (186261)	23815 (208083)	26441 (231905)	29067 (253727)	31693 (277549)	34319 (299371)	36945 (323193)
	45°	3515 (31110)	4218 (37332)	4921 (43554)	5624 (49776)	6950 (60758)	8276 (72580)	9602 (83802)	10928 (95624)	12254 (107446)	13580 (118668)	14906 (130490)	16232 (142312)	17558 (154134)	18884 (165956)
	END	N.A.	8014 (70931)	9350 (82753)	10685 (94574)	13311 (116795)	15937 (139617)	18563 (163439)	21189 (186261)	23815 (208083)	26441 (231905)	29067 (253727)	31693 (277549)	34319 (299371)	36945 (323193)

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 25 - Double Acting - Canted

LPS-25C - CANTED - TORQUE TABLES

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar (PSI)]																							
		2.5 (35)		3 (42)		3.5 (49)		4 (56)		5 (70)		6 (84)		7 (98)		8 (112)		9 (126)		10 (140)		11 (154)		12 (168)	
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-25C-285X-D1	START	N.A.	N.A.	5114 (45265)	5966 (52809)	6819 (60353)	8523 (75441)	10228 (90529)	11933 (105617)	13638 (120706)	15342 (135794)	17047 (150882)	18752 (165970)	20457 (181058)	2204 (19511)	2645 (23413)	3086 (27315)	3527 (31217)	4409 (39021)	5290 (46825)	6172 (54630)	7054 (62434)	7936 (70238)	8817 (78042)	9699 (85847)
	45°	N.A.	N.A.	1470 (13007)	1763 (15608)	2057 (18210)	2351 (20811)	2939 (26014)	3527 (31217)	4115 (36420)	4703 (41623)	5290 (46825)	5878 (52028)	6466 (57231)											
	END	N.A.	N.A.	2204 (19511)	2645 (23413)	3086 (27315)	3527 (31217)	4409 (39021)	5290 (46825)	6172 (54630)	7054 (62434)	7936 (70238)	8817 (78042)	9699 (85847)											
LPS-25C-300X-D1	START	N.A.	N.A.	4734 (41900)	5681 (50280)	6627 (58660)	7574 (67040)	9468 (83799)	11361 (100559)	13255 (117319)	15148 (134079)	17042 (150839)	18936 (167599)												
	45°	N.A.	N.A.	1632 (14448)	1959 (17388)	2285 (20227)	2612 (23117)	3265 (28886)	3918 (34676)	4571 (40455)	5224 (46234)	5877 (52013)	6530 (57993)												
	END	N.A.	N.A.	2449 (21672)	2938 (26007)	3428 (30341)	3918 (34676)	4897 (43345)	5877 (52013)	6856 (60682)	7835 (69351)	8815 (78020)	9794 (86689)												
LPS-25C-335X-D1	START	N.A.	N.A.	5930 (52485)	7116 (62982)	8302 (73479)	9488 (83976)	11860 (104970)	14232 (125964)	16603 (146957)	18975 (167951)														
	45°	N.A.	N.A.	2045 (18098)	2454 (21718)	2863 (25337)	3272 (28957)	4090 (36196)	4907 (43436)	5725 (50675)	6543 (57914)														
	END	N.A.	N.A.	3067 (27147)	3681 (32577)	4294 (38006)	4907 (43436)	6134 (54295)	7361 (65154)	8588 (76012)	9815 (86871)														
LPS-25C-360X-D1	START	N.A.	N.A.	6865 (60760)	8238 (72912)	9611 (85064)	10984 (97216)	13730 (121520)	16475 (145824)																
	45°	N.A.	N.A.	2367 (20952)	2841 (25142)	3314 (29332)	3787 (33523)	4734 (41903)	5681 (50284)																
	END	N.A.	N.A.	3551 (31428)	4261 (37713)	4971 (43999)	5681 (50284)	7101 (62855)	8522 (75426)																
LPS-25C-385X-D1	START	N.A.	N.A.	7867 (69630)	9440 (83557)	11014 (97483)	12587 (111409)	15734 (139261)	18881 (167113)																
	45°	N.A.	N.A.	2713 (24011)	3255 (28813)	3798 (33615)	4340 (38417)	5425 (48021)	6511 (57625)																
	END	N.A.	N.A.	4069 (36016)	4883 (43219)	5697 (50422)	6511 (57625)	8138 (72082)	9766 (86438)																
LPS-25C-435X-D1	START	N.A.	N.A.	10073 (89157)	12088 (106889)	14102 (124820)	16117 (142652)																		
	45°	N.A.	N.A.	3474 (30744)	4168 (36893)	4863 (43042)	5558 (49190)																		
	END	N.A.	N.A.	5210 (46116)	6252 (55339)	7294 (64562)	8336 (73786)																		
LPS-25C-485X-D1	START	N.A.	N.A.	12548 (111066)	15058 (133279)	17568 (155492)																			
	45°	N.A.	N.A.	4327 (38299)	5192 (45958)	6058 (53618)																			
	END	N.A.	N.A.	6491 (57448)	7789 (68937)	9087 (80427)																			
LPS-25C-535X-D1	START	N.A.	N.A.	15293 (135356)	18351 (162427)																				
	45°	N.A.	N.A.	5278 (46674)	6328 (56009)																				
	END	N.A.	N.A.	7910 (70011)	9492 (84014)																				
LPS-25C-585X-D1	START	N.A.	N.A.	18306 (162027)																					
	45°	N.A.	N.A.	6312 (55871)																					
	END	N.A.	N.A.	9469 (83807)																					

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 25 - Double Acting - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS - 25A - 285X - D1	START	2792 (24713)	3351 (29656)	3909 (34599)	4467 (39541)	5584 (49427)	6701 (59312)	7818 (69198)	8935 (79083)	10052 (88968)	11169 (98854)	12286 (108739)	13402 (118624)
	45°	1470 (13007)	1763 (15608)	2057 (18210)	2351 (20811)	2939 (26014)	3527 (31217)	4115 (36420)	4703 (41623)	5290 (46825)	5878 (52028)	6466 (57231)	7054 (62434)
	END	2792 (24713)	3351 (29656)	3909 (34599)	4467 (39541)	5584 (49427)	6701 (59312)	7818 (69198)	8935 (79083)	10052 (88968)	11169 (98854)	12286 (108739)	13402 (118624)
LPS - 25A - 300X - D1	START	3102 (27452)	3722 (32942)	4342 (38432)	4962 (43922)	6203 (54903)	7444 (65884)	8684 (76864)	9925 (87845)	11165 (98826)	12406 (109806)	13647 (120787)	14887 (131767)
	45°	1632 (14448)	1959 (17338)	2285 (20227)	2612 (23117)	3265 (28896)	3918 (34676)	4571 (40455)	5224 (46234)	5877 (52013)	6530 (57793)	7182 (63572)	7835 (69351)
	END	3102 (27452)	3722 (32942)	4342 (38432)	4962 (43922)	6203 (54903)	7444 (65884)	8684 (76864)	9925 (87845)	11165 (98826)	12406 (109806)	13647 (120787)	14887 (131767)
LPS - 25A - 335X - D1	START	3885 (34387)	4662 (41264)	5439 (48141)	6216 (55019)	7770 (68773)	9324 (82528)	10878 (96282)	12432 (110037)	13986 (123792)	15540 (137546)	17094 (151301)	18648 (165056)
	45°	2045 (18098)	2454 (21718)	2863 (25337)	3272 (28957)	4090 (36196)	4907 (43436)	5725 (50675)	6543 (57914)	7361 (65154)	8179 (72393)	8997 (79632)	9815 (86871)
	END	3885 (34387)	4662 (41264)	5439 (48141)	6216 (55019)	7770 (68773)	9324 (82528)	10878 (96282)	12432 (110037)	13986 (123792)	15540 (137546)	17094 (151301)	18648 (165056)
LPS - 25A - 360X - D1	START	4498 (39808)	5397 (47770)	6297 (55732)	7196 (63693)	8995 (79617)	10794 (95540)	12593 (111463)	14392 (127386)	16191 (143310)	17990 (159233)		
	45°	2367 (20952)	2841 (25142)	3314 (29332)	3787 (33523)	4734 (41903)	5681 (50284)	6628 (58665)	7575 (67045)	8522 (75426)	9469 (83807)		
	END	4498 (39808)	5397 (47770)	6297 (55732)	7196 (63693)	8995 (79617)	10794 (95540)	12593 (111463)	14392 (127386)	16191 (143310)	17990 (159233)		
LPS - 25A - 385X - D1	START	5154 (45620)	6185 (54744)	7216 (63868)	8247 (72992)	10308 (91240)	12370 (109488)	14432 (127736)	16493 (145984)	18555 (164332)			
	45°	2713 (24011)	3255 (28813)	3798 (33615)	4340 (38417)	5425 (48021)	6511 (57625)	7596 (67229)	8681 (76834)	9766 (86438)			
	END	5154 (45620)	6185 (54744)	7216 (63868)	8247 (72992)	10308 (91240)	12370 (109488)	14432 (127736)	16493 (145984)	18555 (164332)			
LPS - 25A - 435X - D1	START	6600 (58414)	7920 (70096)	9240 (81779)	10559 (93462)	13199 (116827)	15839 (140192)	18479 (163558)					
	45°	3474 (30744)	4168 (36893)	4863 (43042)	5558 (49190)	6947 (61488)	8336 (73786)	9726 (86083)					
	END	6600 (58414)	7920 (70096)	9240 (81779)	10559 (93462)	13199 (116827)	15839 (140192)	18479 (163558)					
LPS - 25A - 485X - D1	START	8221 (72767)	9866 (87321)	11510 (101874)	13154 (116428)	16443 (145353)							
	45°	4327 (38299)	5192 (45958)	6058 (53618)	6923 (61278)	8654 (76597)							
	END	8221 (72767)	9866 (87321)	11510 (101874)	13154 (116428)	16443 (145353)							
LPS - 25A - 535X - D1	START	10019 (88681)	12023 (106417)	14027 (124154)	16031 (141890)								
	45°	5273 (46674)	6328 (56009)	7383 (65344)	8437 (74679)								
	END	10019 (88681)	12023 (106417)	14027 (124154)	16031 (141890)								
LPS - 25A - 585X - D1	START	11994 (106155)	14392 (127386)	16791 (148518)									
	45°	6312 (55871)	7575 (67045)	8837 (78220)									
	END	11994 (106155)	14392 (127386)	16791 (148518)									

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 30 - Double Acting - Canted

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] [PSI]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-30C-335K-D1	START	7515 (16951)	9018 (20298)	10521 (23692)	12024 (26826)	15030 (33322)	18036 (39958)	21042 (46604)	24048 (53250)	27054 (59896)	30060 (66542)	33066 (73188)	36072 (79834)
	45°	2591 (5818)	3110 (6982)	3628 (8066)	4146 (9150)	5183 (11487)	6219 (13824)	7256 (16161)	8293 (18498)	9329 (20835)	10366 (23172)	11402 (25509)	12439 (27846)
	END	3887 (8695)	4665 (10428)	5442 (12161)	6219 (13894)	7774 (17244)	9329 (20894)	10884 (24544)	12439 (28194)	13994 (31844)	15548 (35494)	17103 (39144)	18658 (42794)
LPS-30C-360K-D1	START	8717 (19387)	10461 (23387)	12204 (27287)	13947 (30987)	17434 (38787)	20921 (46587)	24408 (54387)	27895 (62187)	31382 (69987)	34869 (77787)	38356 (85587)	41843 (93387)
	45°	3006 (6726)	3607 (8016)	4208 (9306)	4809 (10596)	6012 (13321)	7214 (16046)	8417 (18771)	9619 (21496)	10821 (24221)	12024 (26946)	13227 (29671)	14429 (32396)
	END	4509 (9998)	5411 (12098)	6313 (14198)	7214 (16298)	9018 (20098)	10821 (23898)	12625 (27698)	14429 (31498)	16232 (35298)	18036 (39098)	19840 (42898)	21643 (46698)
LPS-30C-385K-D1	START	10006 (22306)	12007 (26706)	14008 (31106)	16009 (35506)	20011 (44306)	24014 (53106)	28016 (61906)	32018 (70706)	36021 (79506)	40024 (88306)	44027 (97106)	48030 (105906)
	45°	3450 (7695)	4140 (9195)	4830 (10695)	5520 (12195)	6900 (15195)	8280 (18195)	9660 (21195)	11040 (24195)	12420 (27195)	13800 (30195)	15180 (33195)	16560 (36195)
	END	5175 (11495)	6210 (13895)	7246 (16295)	8281 (18695)	10351 (22895)	12421 (27095)	14491 (31295)	16561 (35495)	18631 (40695)	20701 (44895)	22771 (49095)	24841 (53295)
LPS-30C-435K-D1	START	12842 (28462)	15411 (33962)	17979 (39462)	20548 (45062)	25684 (56462)	30821 (67862)	35958 (79262)	41095 (90662)	46232 (102062)	51369 (113462)	56506 (124862)	61643 (136262)
	45°	4428 (9798)	5314 (11798)	6200 (13798)	7085 (15798)	8857 (19498)	10628 (23198)	12400 (26898)	14171 (30598)	15942 (34298)	17714 (37998)	19485 (41698)	21256 (45398)
	END	6643 (14698)	7971 (17598)	9300 (20498)	10628 (23398)	13285 (29198)	15942 (34998)	18599 (40798)	21256 (46598)	23913 (52398)	26570 (58198)	29227 (63998)	31884 (69798)
LPS-30C-485K-D1	START	16025 (35325)	19230 (42425)	22435 (49525)	25640 (56625)	32049 (70625)	38458 (84625)	44867 (98625)	51276 (112625)	57685 (126625)	64094 (140625)	70503 (154625)	76912 (168625)
	45°	5526 (12198)	6631 (14698)	7736 (17198)	8841 (19698)	11046 (24398)	13251 (29098)	15456 (33798)	17661 (38498)	19866 (43198)	22071 (47898)	24276 (52598)	26481 (57298)
	END	8289 (18398)	9946 (21998)	11604 (25598)	13262 (29198)	16182 (35598)	19102 (41998)	22022 (48398)	24942 (54798)	27862 (61198)	30782 (67598)	33702 (73998)	36622 (80398)
LPS-30C-535K-D1	START	19553 (43253)	23464 (51653)	27374 (60053)	31285 (68453)	39294 (86453)	47303 (104453)	55312 (122453)	63321 (140453)	71330 (158453)	79339 (176453)	87348 (194453)	95357 (212453)
	45°	6742 (14877)	8091 (17977)	9439 (20977)	10788 (23977)	13285 (29377)	15782 (34777)	18279 (40177)	20776 (45577)	23273 (50977)	25770 (56377)	28267 (61777)	30764 (67177)
	END	10114 (22416)	12136 (26916)	14159 (31416)	16182 (35916)	20094 (44416)	24006 (52916)	27918 (61416)	31830 (69916)	35742 (78416)	39654 (86916)	43566 (95416)	47478 (103916)
LPS-30C-585K-D1	START	23427 (51527)	28113 (61927)	32798 (72327)	37484 (82727)	47093 (103727)	56702 (124727)	66311 (145727)	75920 (166727)	85529 (187727)	95138 (208727)	104747 (229727)	114356 (250727)
	45°	8078 (17802)	9694 (21302)	11310 (24802)	12925 (28302)	16041 (35202)	19157 (42102)	22273 (49002)	25389 (55902)	28505 (62802)	31621 (69702)	34737 (76602)	37853 (83502)
	END	12118 (26925)	14541 (32125)	16964 (37325)	19387 (42525)	24299 (52125)	29211 (61725)	34123 (71325)	39035 (80925)	43947 (89525)	48859 (98125)	53771 (106725)	58683 (115325)
LPS-30C-635K-D1	START	27648 (60748)	33177 (73148)	38706 (84548)	44235 (95948)	55644 (121948)	67053 (147948)	78462 (173948)	89871 (199948)	101280 (225948)	112689 (241948)	124098 (267948)	135507 (283948)
	45°	9534 (20982)	11440 (25282)	13346 (29582)	15252 (33882)	18968 (41882)	22684 (49882)	26400 (57882)	30116 (65882)	33832 (73882)	37548 (81882)	41264 (89882)	44980 (97882)
	END	14300 (31473)	17161 (37873)	20022 (44273)	22883 (50673)	28599 (62673)	34315 (74673)	40031 (86673)	45747 (98673)	51463 (110673)	57179 (122673)	62895 (134673)	68611 (146673)
LPS-30C-685K-D1	START	32214 (70914)	38843 (85314)	45472 (99714)	52101 (114114)	64510 (141514)	76919 (168914)	89328 (196314)	101737 (223714)	114146 (250514)	126555 (277314)	138964 (304114)	151373 (330914)
	45°	11108 (24518)	13108 (28918)	15108 (33318)	17108 (37718)	21308 (46718)	25508 (55718)	29708 (64718)	33908 (73718)	38108 (82718)	42308 (91718)	46508 (100718)	50708 (109718)
	END	16662 (36778)	19823 (43778)	23024 (50378)	26225 (57978)	32636 (71978)	39047 (85978)	45458 (99978)	51869 (113978)	58280 (127978)	64691 (141978)	71102 (155978)	77513 (169978)

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 30 - Double Acting - Symmetric

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS - 30A - 335X - D1	START	4924 (43579)	5908 (52295)	6893 (61011)	7878 (69727)	9847 (87159)	11817 (104591)	13786 (122023)	15756 (139454)	17725 (156886)	19695 (174318)	21664 (191750)	23634 (209181)
	45°	2591 (22937)	3110 (27524)	3628 (32111)	4146 (36698)	5183 (46873)	6219 (55048)	7256 (64223)	8293 (73397)	9329 (82572)	10366 (91746)	11402 (100921)	12439 (110095)
	END	N.A.	5908 (52295)	6893 (61011)	7878 (69727)	9847 (87159)	11817 (104591)	13786 (122023)	15756 (139454)	17725 (156886)	19695 (174318)	21664 (191750)	23634 (209181)
LPS - 30A - 360X - D1	START	5711 (50550)	6853 (60660)	7996 (70770)	9138 (80880)	11422 (101100)	13707 (121320)	15991 (141540)	18276 (161761)	20560 (181981)	22845 (202201)	25129 (222421)	27414 (242641)
	45°	3006 (26605)	3607 (31926)	4208 (37247)	4809 (42568)	6012 (53211)	7214 (63853)	8417 (74495)	9619 (85137)	10821 (95779)	12024 (106421)	13226 (117064)	14428 (127706)
	END	N.A.	6853 (60660)	7996 (70770)	9138 (80880)	11422 (101100)	13707 (121320)	15991 (141540)	18276 (161761)	20560 (181981)	22845 (202201)	25129 (222421)	27414 (242641)
LPS - 30A - 385X - D1	START	6555 (58022)	7867 (69627)	9178 (81231)	10489 (92826)	13111 (116045)	15733 (139254)	18355 (162463)	20977 (185672)	23600 (208881)	26222 (232089)	28844 (255298)	31466 (278507)
	45°	3450 (30538)	4140 (36646)	4830 (42753)	5520 (48861)	6900 (61076)	8281 (73291)	9661 (85007)	11041 (97722)	12421 (109337)	13801 (121152)	15181 (134368)	16561 (146583)
	END	N.A.	7867 (69627)	9178 (81231)	10489 (92826)	13111 (116045)	15733 (139254)	18355 (162463)	20977 (185672)	23600 (208881)	26222 (232089)	28844 (255298)	31466 (278507)
LPS - 30A - 435X - D1	START	8414 (74471)	10097 (89365)	11779 (104260)	13462 (119154)	16828 (148942)	20193 (178731)	23559 (208519)	26924 (238308)	30290 (268096)	33656 (297885)	37021 (327673)	
	45°	4428 (39195)	5314 (47034)	6200 (54874)	7085 (62713)	8857 (78391)	10628 (94069)	12399 (109747)	14171 (125425)	15942 (141103)	17713 (156782)	19485 (172460)	
	END	N.A.	10097 (89365)	11779 (104260)	13462 (119154)	16828 (148942)	20193 (178731)	23559 (208519)	26924 (238308)	30290 (268096)	33656 (297885)	37021 (327673)	
LPS - 30A - 485X - D1	START	10499 (92926)	12599 (111511)	14699 (130096)	16798 (148682)	20998 (185852)	25197 (223023)	29397 (260193)	33597 (297363)	37796 (334534)			
	45°	5526 (48908)	6631 (58690)	7736 (68472)	8841 (78254)	11052 (97817)	13262 (117380)	15472 (136944)	17682 (156507)	19893 (176070)			
	END	N.A.	12599 (111511)	14699 (130096)	16798 (148682)	20998 (185852)	25197 (223023)	29397 (260193)	33597 (297363)	37796 (334534)			
LPS - 30A - 535X - D1	START	12811 (113387)	15373 (136064)	17935 (158742)	20497 (181419)	25621 (226774)	30746 (271228)	35870 (317483)					
	45°	6742 (59677)	8091 (71613)	9439 (83548)	10788 (95484)	13485 (119355)	16182 (143225)	18879 (167096)					
	END	N.A.	15373 (136064)	17935 (158742)	20497 (181419)	25621 (226774)	30746 (271228)	35870 (317483)					
LPS - 30A - 585X - D1	START	15349 (135854)	18419 (163024)	21489 (190195)	24558 (217366)	30698 (271707)	36837 (326049)						
	45°	8078 (71502)	9694 (85802)	11310 (100103)	12925 (114403)	16157 (143004)	19388 (171605)						
	END	N.A.	18419 (163024)	21489 (190195)	24558 (217366)	30698 (271707)	36837 (326049)						
LPS - 30A - 635X - D1	START	18114 (160326)	21737 (192392)	25359 (224457)	28982 (256522)	36228 (320653)							
	45°	9534 (84382)	11440 (101259)	13347 (118135)	15254 (135012)	19067 (168765)							
	END	N.A.	21737 (192392)	25359 (224457)	28982 (256522)	36228 (320653)							
LPS - 30A - 685X - D1	START	21106 (186805)	25327 (224166)	29548 (261527)	33769 (298888)								
	45°	11108 (98318)	13330 (117982)	15551 (137646)	17773 (157309)								
	END	N.A.	25327 (224166)	29548 (261527)	33769 (298888)								

Pressure Torque Charts – Double Acting – Imperial and Metric

Table 106: Torque Table - LPS 35 - Double Acting - Canted

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [barg (PSI)]											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											
LPS-35C.....	START	0											
	45°	0											
	END	0											

For more information please contact our factory

e-mail : limitorque@flowserve.com

Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 35 - Double Acting - Symmetric - Metric/Imperial

ACTUATOR MODEL	Output torque @ supply pressure [bar] [PSI]											
	2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-35A	Spring Torque											
	Nm (in lb)											
	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35B	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35C	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35D	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35E	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35F	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35G	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0
LPS-35H	START	0	0	0	0	0	0	0	0	0	0	0
	45°	0	0	0	0	0	0	0	0	0	0	0
	END	0	0	0	0	0	0	0	0	0	0	0

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Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 40 - Double Acting - Canted - Metric/Imperial

ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] (PSI)											
		2.5 (35)	3 (42)	3.5 (49)	4 (56)	5 (70)	6 (84)	7 (98)	8 (112)	9 (126)	10 (140)	11 (154)	12 (168)
		Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)	Nm (in lb)
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											
LPS-40C	START	N.A.											
	45°	N.A.											
	END	N.A.											

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Pressure Torque Charts – Double Acting – Imperial and Metric

Torque Table - LPS 40 - Double Acting - Symmetric

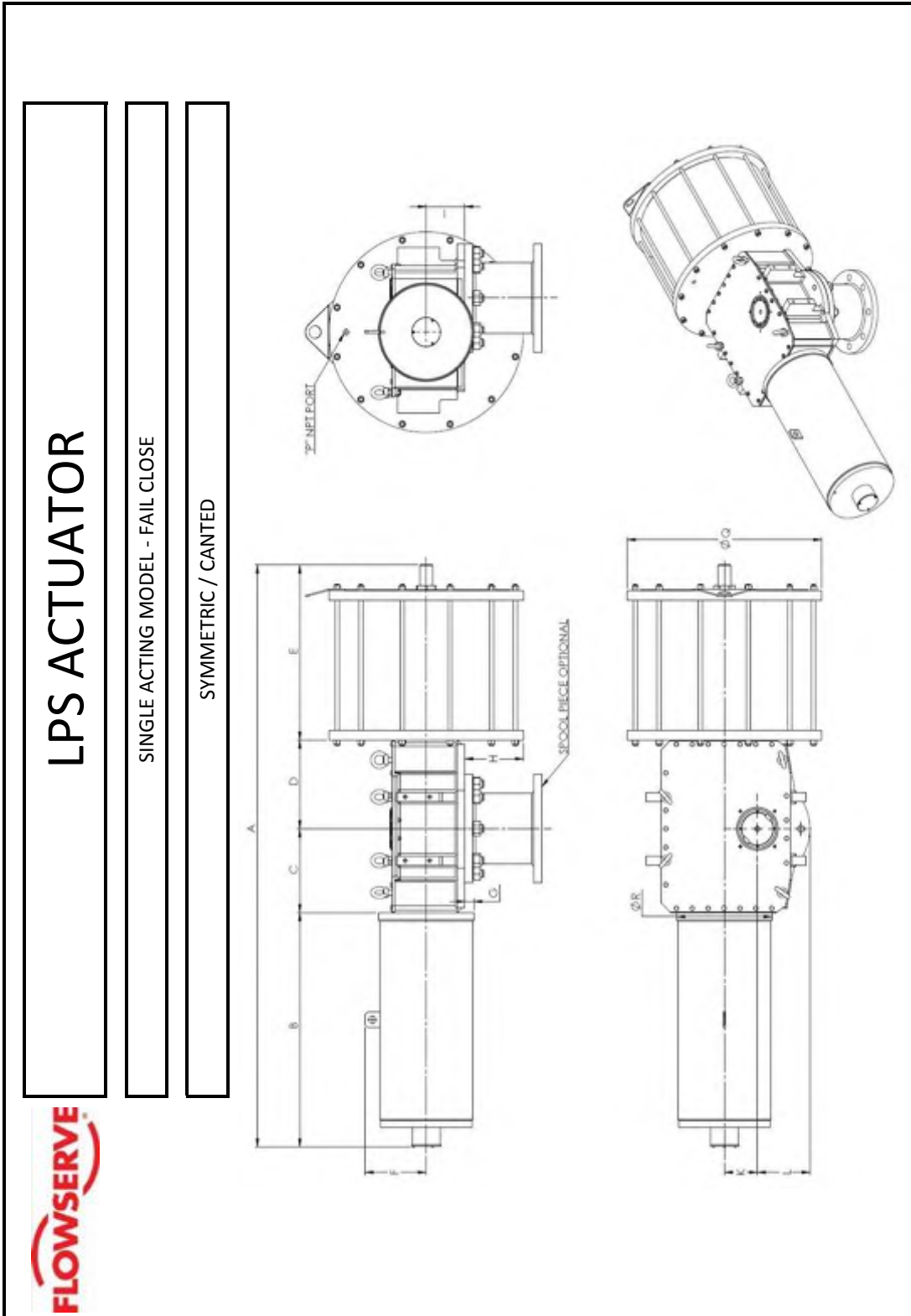
ACTUATOR MODEL	Spring Torque Nm (in lb)	Output torque @ supply pressure [bar] [PSI]																					
		2.5 (35) Nm (in lb)	3 (42) Nm (in lb)	3.5 (49) Nm (in lb)	4 (56) Nm (in lb)	5 (70) Nm (in lb)	6 (84) Nm (in lb)	7 (98) Nm (in lb)	8 (112) Nm (in lb)	9 (126) Nm (in lb)	10 (140) Nm (in lb)	11 (154) Nm (in lb)	12 (168) Nm (in lb)										
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LPS-40A	START	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	45°	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	END	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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Dimensional Data

Figure 2: Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size



Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-15 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-15X-155Y-FC1-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC1-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC1-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC1-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC1-1	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	170 (6.7)	26 (1)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	235 (9.3)	1/2"
LPS-15X-285Y-FC1-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC1-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC1-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC1-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC1-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-FC2-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC2-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC2-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC2-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC2-1	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	170 (6.7)	26 (1)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	235 (9.3)	1/2"
LPS-15X-285Y-FC2-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC2-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC2-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC2-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC2-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-FC3-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC3-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC3-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC3-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC3-1	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-FC3-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC3-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC3-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC3-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC3-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-FC3-2								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC3-2								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC3-2								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC3-2								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC3-2	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-FC3-2								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC3-2								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC3-2								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC3-2								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC3-2								143 (5.6)				469 (18.5)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-15 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-15X-155Y-FC3-3								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC3-3								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC3-3								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC3-3								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC3-3	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-FC3-3								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC3-3								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC3-3								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC3-3								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC3-3								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-FC4-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC4-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC4-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC4-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC4-1	1248 (49.1)	500 (19.7)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-FC4-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC4-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC4-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC4-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC4-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-FC4-2								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC4-2								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC4-2								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC4-2								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC4-2	1248 (49.1)	500 (19.7)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-FC4-2								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC4-2								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC4-2								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC4-2								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC4-2								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-FC4-3								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-FC4-3								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-FC4-3								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-FC4-3								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-FC4-3	1248 (49.1)	500 (19.7)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-FC4-3								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-FC4-3								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-FC4-3								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-FC4-3								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-FC4-3								143 (5.6)				469 (18.5)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-20 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-20X-235Y-FC1-1								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-FC1-1								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-FC1-1								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-FC1-1	1572,5 (61,9)	671,5 (26,4)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	174,5 (6,9)	27 (1,1)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	260 (10,2)	1"
LPS-20X-335Y-FC1-1													1"
LPS-20X-360Y-FC1-1													1"
LPS-20X-385Y-FC1-1													1"
LPS-20X-435Y-FC1-1													1"
LPS-20X-485Y-FC1-1													1"
LPS-20X-235Y-FC2-1								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-FC2-1								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-FC2-1								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-FC2-1	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)	1"
LPS-20X-335Y-FC2-1													1"
LPS-20X-360Y-FC2-1													1"
LPS-20X-385Y-FC2-1													1"
LPS-20X-435Y-FC2-1													1"
LPS-20X-485Y-FC2-1													1"
LPS-20X-235Y-FC2-2								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-FC2-2								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-FC2-2								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-FC2-2	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)	1"
LPS-20X-335Y-FC2-2													1"
LPS-20X-360Y-FC2-2													1"
LPS-20X-385Y-FC2-2													1"
LPS-20X-435Y-FC2-2													1"
LPS-20X-485Y-FC2-2													1"
LPS-20X-235Y-FC2-3								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-FC2-3								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-FC2-3								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-FC2-3	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)	1"
LPS-20X-335Y-FC2-3													1"
LPS-20X-360Y-FC2-3													1"
LPS-20X-385Y-FC2-3													1"
LPS-20X-435Y-FC2-3													1"
LPS-20X-485Y-FC2-3													1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-20 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-20X-235Y-FC2-4								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-FC2-4								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-FC2-4								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-FC2-4	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)		1"
LPS-20X-335Y-FC2-4												443 (17,4)		1"
LPS-20X-360Y-FC2-4												469 (18,5)		1"
LPS-20X-435Y-FC2-4												526 (20,7)		1"
LPS-20X-485Y-FC2-4												578 (22,8)		1"
LPS-20X-235Y-FC3-1								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-FC3-1								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-FC3-1								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-FC3-1	1563 (61,5)	662 (26,1)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	250,5 (9,9)	87,5 (3,4)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	373 (14,7)		1"
LPS-20X-335Y-FC3-1												443 (17,4)		1"
LPS-20X-360Y-FC3-1												469 (18,5)		1"
LPS-20X-435Y-FC3-1												526 (20,7)		1"
LPS-20X-485Y-FC3-1												578 (22,8)		1"
LPS-20X-235Y-FC3-2								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-FC3-2								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-FC3-2								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-FC3-2	1563 (61,5)	662 (26,1)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	250,5 (9,9)	87,5 (3,4)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	373 (14,7)		1"
LPS-20X-335Y-FC3-2												443 (17,4)		1"
LPS-20X-360Y-FC3-2												469 (18,5)		1"
LPS-20X-435Y-FC3-2												526 (20,7)		1"
LPS-20X-485Y-FC3-2												578 (22,8)		1"
LPS-20X-235Y-FC3-3								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-FC3-3								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-FC3-3								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-FC3-3	1563 (61,5)	662 (26,1)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	250,5 (9,9)	87,5 (3,4)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	373 (14,7)		1"
LPS-20X-335Y-FC3-3												443 (17,4)		1"
LPS-20X-360Y-FC3-3												469 (18,5)		1"
LPS-20X-435Y-FC3-3												526 (20,7)		1"
LPS-20X-485Y-FC3-3												578 (22,8)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-25 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-25X-285Y-FC1-1							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC1-1							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC1-1							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC1-1	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)	1"
LPS-25X-385Y-FC1-1												469 (18,5)	1"
LPS-25X-435Y-FC1-1												526 (20,7)	1"
LPS-25X-485Y-FC1-1												578 (22,8)	1"
LPS-25X-535Y-FC1-1												630 (24,8)	1"
LPS-25X-585Y-FC1-1												683 (26,9)	1"
LPS-25X-285Y-FC1-2							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC1-2							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC1-2							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC1-2	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)	1"
LPS-25X-385Y-FC1-2												469 (18,5)	1"
LPS-25X-435Y-FC1-2												526 (20,7)	1"
LPS-25X-485Y-FC1-2												578 (22,8)	1"
LPS-25X-535Y-FC1-2												630 (24,8)	1"
LPS-25X-585Y-FC1-2												683 (26,9)	1"
LPS-25X-285Y-FC1-4							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC1-4							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC1-4							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC1-4	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)	1"
LPS-25X-385Y-FC1-4												469 (18,5)	1"
LPS-25X-435Y-FC1-4												526 (20,7)	1"
LPS-25X-485Y-FC1-4												578 (22,8)	1"
LPS-25X-535Y-FC1-4												630 (24,8)	1"
LPS-25X-585Y-FC1-4												683 (26,9)	1"
LPS-25X-285Y-FC1-4							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC1-4							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC1-4							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC1-4	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)	1"
LPS-25X-385Y-FC1-4												469 (18,5)	1"
LPS-25X-435Y-FC1-4												526 (20,7)	1"
LPS-25X-485Y-FC1-4												578 (22,8)	1"
LPS-25X-535Y-FC1-4												630 (24,8)	1"
LPS-25X-585Y-FC1-4												683 (26,9)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-25 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-25X-285Y-FC2-1							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-FC2-1							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-FC2-1							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-FC2-1	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	443 (17,4)	374 (14,7)	1"
LPS-25X-385Y-FC2-1							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-FC2-1							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-FC2-1							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-FC2-1							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-FC2-1							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-FC2-2							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-FC2-2							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-FC2-2							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-FC2-2	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	443 (17,4)	374 (14,7)	1"
LPS-25X-385Y-FC2-2							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-FC2-2							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-FC2-2							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-FC2-2							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-FC2-2							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-FC2-3							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-FC2-3							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-FC2-3							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-FC2-3	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	443 (17,4)	374 (14,7)	1"
LPS-25X-385Y-FC2-3							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-FC2-3							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-FC2-3							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-FC2-3							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-FC2-3							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-FC3-1							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-FC3-1							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-FC3-1							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-FC3-1	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	443 (17,4)	374 (14,7)	1"
LPS-25X-385Y-FC3-1							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-FC3-1							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-FC3-1							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-FC3-1							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-FC3-1							223,5 (8,8)					683 (26,9)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-25 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-25X-285Y-FC3-2							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC3-2							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC3-2							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC3-2	1891 (74,4)	798 (31,4)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)	1"
LPS-25X-385Y-FC3-2							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-FC3-2							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-FC3-2							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-FC3-2							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-FC3-2							223,5 (8,8)					683 (26,9)	1"
LPS-25X-285Y-FC3-3							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC3-3							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC3-3							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC3-3	1891 (74,4)	798 (31,4)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)	1"
LPS-25X-385Y-FC3-3							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-FC3-3							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-FC3-3							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-FC3-3							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-FC3-3							223,5 (8,8)					683 (26,9)	1"
LPS-25X-285Y-FC3-4							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC3-4							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC3-4							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC3-4	1891 (74,4)	798 (31,4)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)	1"
LPS-25X-385Y-FC3-4							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-FC3-4							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-FC3-4							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-FC3-4							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-FC3-4							223,5 (8,8)					683 (26,9)	1"
LPS-25X-285Y-FC4-1							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-FC4-1							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-FC4-1							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-FC4-1	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-FC4-1							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-FC4-1							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-FC4-1							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-FC4-1							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-FC4-1							223,5 (8,8)					683 (26,9)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-25 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-25X-285Y-FC4-2								66 (2,6)				368 (14,5)	1/2"
LPS-25X-300Y-FC4-2								73,5 (2,9)				383 (15,1)	1"
LPS-25X-335Y-FC4-2								91 (3,6)				418 (16,5)	1"
LPS-25X-360Y-FC4-2	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-FC4-2												443 (17,4)	1"
LPS-25X-435Y-FC4-2												469 (18,5)	1"
LPS-25X-485Y-FC4-2												526 (20,7)	1"
LPS-25X-535Y-FC4-2												578 (22,8)	1"
LPS-25X-585Y-FC4-2												630 (24,8)	1"
												683 (26,9)	1"
LPS-25X-285Y-FC4-3								66 (2,6)				368 (14,5)	1/2"
LPS-25X-300Y-FC4-3								73,5 (2,9)				383 (15,1)	1"
LPS-25X-335Y-FC4-3								91 (3,6)				418 (16,5)	1"
LPS-25X-360Y-FC4-3	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-FC4-3												443 (17,4)	1"
LPS-25X-435Y-FC4-3												469 (18,5)	1"
LPS-25X-485Y-FC4-3												526 (20,7)	1"
LPS-25X-535Y-FC4-3												578 (22,8)	1"
LPS-25X-585Y-FC4-3												630 (24,8)	1"
												683 (26,9)	1"
LPS-25X-285Y-FC4-4								66 (2,6)				368 (14,5)	1/2"
LPS-25X-300Y-FC4-4								73,5 (2,9)				383 (15,1)	1"
LPS-25X-335Y-FC4-4								91 (3,6)				418 (16,5)	1"
LPS-25X-360Y-FC4-4	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1) 116,5 (4,6) 145 (5,7) 171 (6,7) 197 (7,8) 223,5 (8,8)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-FC4-4												443 (17,4)	1"
LPS-25X-435Y-FC4-4												469 (18,5)	1"
LPS-25X-485Y-FC4-4												526 (20,7)	1"
LPS-25X-535Y-FC4-4												578 (22,8)	1"
LPS-25X-585Y-FC4-4												630 (24,8)	1"
												683 (26,9)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-30 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-30X-335Y-FC1-1								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC1-1								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC1-1								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC1-1								105 (4,1)				526 (20,7)	390	1"
LPS-30X-485Y-FC1-1	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	250,5 (9,9)	37 (1,5)	131 (5,2) 157 (6,2)	158 (6,2)	135 (5,3)	215 (8,5)	578 (22,8) 630 (24,8)	390 (15,4)	1"
LPS-30X-535Y-FC1-1								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC1-1								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC1-1								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-FC1-2								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC1-2								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC1-2								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC1-2								105 (4,1)				526 (20,7)	390	1"
LPS-30X-485Y-FC1-2	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	250,5 (9,9)	37 (1,5)	131 (5,2) 157 (6,2)	158 (6,2)	135 (5,3)	215 (8,5)	578 (22,8) 630 (24,8)	390 (15,4)	1"
LPS-30X-535Y-FC1-2								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC1-2								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC1-2								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-FC1-3								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC1-3								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC1-3								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC1-3								105 (4,1)				526 (20,7)	390	1"
LPS-30X-485Y-FC1-3	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	250,5 (9,9)	37 (1,5)	131 (5,2) 157 (6,2)	158 (6,2)	135 (5,3)	215 (8,5)	578 (22,8) 630 (24,8)	390 (15,4)	1"
LPS-30X-535Y-FC1-3								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC1-3								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC1-3								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-FC2-1								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC2-1								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC2-1								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC2-1								105 (4,1)				526 (20,7)	410	1"
LPS-30X-485Y-FC2-1	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	269,5 (10,6)	51,5 (2)	131 (5,2) 157 (6,2)	158 (6,2)	135 (5,3)	215 (8,5)	578 (22,8) 630 (24,8)	410 (16,1)	1"
LPS-30X-535Y-FC2-1								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC2-1								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC2-1								239,5 (9,4)				795 (31,3)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-30 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-30X-335Y-FC2-2							51 (2)					418 (16,5)	1"
LPS-30X-360Y-FC2-2							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-FC2-2							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-FC2-2							105 (4,1)		158 (6,2)	135 (5,3)	215 (8,5)	410 (16,1)	1"
LPS-30X-485Y-FC2-2	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	269,5 (10,6)	51,5 (2)	131 (5,2)				630 (24,8)	1"
LPS-30X-535Y-FC2-2							157 (6,2)					683 (26,9)	1"
LPS-30X-585Y-FC2-2							183,5 (7,2)					745 (29,3)	1"
LPS-30X-635Y-FC2-2							214,5 (8,4)					795 (31,3)	1"
LPS-30X-685Y-FC2-2							239,5 (9,4)						1"
LPS-30X-335Y-FC2-3							51 (2)					418 (16,5)	1"
LPS-30X-360Y-FC2-3							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-FC2-3							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-FC2-3							105 (4,1)		158 (6,2)	135 (5,3)	215 (8,5)	410 (16,1)	1"
LPS-30X-485Y-FC2-3	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	269,5 (10,6)	51,5 (2)	131 (5,2)				630 (24,8)	1"
LPS-30X-535Y-FC2-3							157 (6,2)					683 (26,9)	1"
LPS-30X-585Y-FC2-3							183,5 (7,2)					745 (29,3)	1"
LPS-30X-635Y-FC2-3							214,5 (8,4)					795 (31,3)	1"
LPS-30X-685Y-FC2-3							239,5 (9,4)						1"
LPS-30X-335Y-FC2-4							51 (2)					418 (16,5)	1"
LPS-30X-360Y-FC2-4							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-FC2-4							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-FC2-4							105 (4,1)		158 (6,2)	135 (5,3)	215 (8,5)	410 (16,1)	1"
LPS-30X-485Y-FC2-4	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	269,5 (10,6)	51,5 (2)	131 (5,2)				630 (24,8)	1"
LPS-30X-535Y-FC2-4							157 (6,2)					683 (26,9)	1"
LPS-30X-585Y-FC2-4							183,5 (7,2)					745 (29,3)	1"
LPS-30X-635Y-FC2-4							214,5 (8,4)					795 (31,3)	1"
LPS-30X-685Y-FC2-4							239,5 (9,4)						1"
LPS-30X-335Y-FC3-1							51 (2)					418 (16,5)	1"
LPS-30X-360Y-FC3-1							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-FC3-1							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-FC3-1							105 (4,1)		158 (6,2)	135 (5,3)	215 (8,5)	436 (17,2)	1"
LPS-30X-485Y-FC3-1	2354 (92,7)	951 (37,4)	332 (13,1)	377 (14,8)	694 (27,3)	282,5 (11,1)	64,5 (2,5)	131 (5,2)				630 (24,8)	1"
LPS-30X-535Y-FC3-1							157 (6,2)					683 (26,9)	1"
LPS-30X-585Y-FC3-1							183,5 (7,2)					745 (29,3)	1"
LPS-30X-635Y-FC3-1							214,5 (8,4)					795 (31,3)	1"
LPS-30X-685Y-FC3-1							239,5 (9,4)						1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-30 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-30X-335Y-FC3-2							51 (2)					418 (16,5)		1"
LPS-30X-360Y-FC3-2							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-FC3-2							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-FC3-2	2354 (92,7)	951 (37,4)	332 (13,1)	377 (14,8)	694 (27,3)	282,5 (11,1)	64,5 (2,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	436 (17,2)		1"
LPS-30X-485Y-FC3-2							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-FC3-2							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-FC3-2							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-FC3-2							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-FC3-2							239,5 (9,4)					795 (31,3)		1"
LPS-30X-335Y-FC3-3							51 (2)					418 (16,5)		1"
LPS-30X-360Y-FC3-3							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-FC3-3							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-FC3-3	2354 (92,7)	951 (37,4)	332 (13,1)	377 (14,8)	694 (27,3)	282,5 (11,1)	64,5 (2,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	436 (17,2)		1"
LPS-30X-485Y-FC3-3							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-FC3-3							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-FC3-3							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-FC3-3							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-FC3-3							239,5 (9,4)					795 (31,3)		1"
LPS-30X-335Y-FC4-1							51 (2)					418 (16,5)		1"
LPS-30X-360Y-FC4-1							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-FC4-1							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-FC4-1	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	499 (19,6)		1"
LPS-30X-485Y-FC4-1							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-FC4-1							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-FC4-1							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-FC4-1							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-FC4-1							239,5 (9,4)					795 (31,3)		1"
LPS-30X-335Y-FC4-2							51 (2)					418 (16,5)		1"
LPS-30X-360Y-FC4-2							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-FC4-2							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-FC4-2	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	499 (19,6)		1"
LPS-30X-485Y-FC4-2							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-FC4-2							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-FC4-2							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-FC4-2							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-FC4-2							239,5 (9,4)					795 (31,3)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-30 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-30X-335Y-FC4-3								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC4-3								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC4-3								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC4-3	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-FC4-3								131 (5,2)				578 (22,8)		1"
LPS-30X-535Y-FC4-3								157 (6,2)				630 (24,8)		1"
LPS-30X-585Y-FC4-3								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC4-3								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC4-3								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-FC4-4								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC4-4								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC4-4								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC4-4	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-FC4-4								131 (5,2)				578 (22,8)		1"
LPS-30X-535Y-FC4-4								157 (6,2)				630 (24,8)		1"
LPS-30X-585Y-FC4-4								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC4-4								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC4-4								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-FC4-5								51 (2)				418 (16,5)		1"
LPS-30X-360Y-FC4-5								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-FC4-5								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-FC4-5	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-FC4-5								131 (5,2)				578 (22,8)		1"
LPS-30X-535Y-FC4-5								157 (6,2)				630 (24,8)		1"
LPS-30X-585Y-FC4-5								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-FC4-5								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-FC4-5								239,5 (9,4)				795 (31,3)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-35 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-35X-385Y-FC1-1								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-FC1-1								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-FC1-1								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-FC1-1								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-FC1-1	2603 (102,5)	1000 (39,4)	400 (15,7)	419 (16,5)	784 (30,9)	265 (10,4)	25 (1)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	410 (16,1)	1"
LPS-35X-635Y-FC1-1								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-FC1-1								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-FC1-1								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-FC1-1								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-FC1-1								292,5 (11,5)				945 (37,2)		1"
LPS-35X-385Y-FC2-1								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-FC2-1								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-FC2-1								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-FC2-1								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-FC2-1	2703 (106,4)	1100 (43,3)	400 (15,7)	419 (16,5)	784 (30,9)	265 (10,4)	25 (1)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	410 (16,1)	1"
LPS-35X-635Y-FC2-1								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-FC2-1								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-FC2-1								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-FC2-1								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-FC2-1								292,5 (11,5)				945 (37,2)		1"
LPS-35X-385Y-FC3-1								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-FC3-1								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-FC3-1								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-FC3-1								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-FC3-1	3103 (122,2)	1500 (59,1)	400 (15,7)	419 (16,5)	784 (30,9)	309,5 (12,2)	69,5 (2,7)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	499 (19,6)	1"
LPS-35X-635Y-FC3-1								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-FC3-1								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-FC3-1								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-FC3-1								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-FC3-1								292,5 (11,5)				945 (37,2)		1"
LPS-35X-385Y-FC3-2								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-FC3-2								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-FC3-2								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-FC3-2								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-FC3-2	3103 (122,2)	1500 (59,1)	400 (15,7)	419 (16,5)	784 (30,9)	309,5 (12,2)	69,5 (2,7)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	499 (19,6)	1"
LPS-35X-635Y-FC3-2								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-FC3-2								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-FC3-2								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-FC3-2								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-FC3-2								292,5 (11,5)				945 (37,2)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-35 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-35X-385Y-FC4-1							54.5 (2.1)					469 (18.5)		1"
LPS-35X-435Y-FC4-1							83 (3.3)					526 (20.7)		1"
LPS-35X-485Y-FC4-1							109 (4.3)					578 (22.8)		1"
LPS-35X-535Y-FC4-1							135 (5.3)					630 (24.8)		1"
LPS-35X-585Y-FC4-1	3253 (128.1)	1650 (65)	400 (15.7)	419 (16.5)	784 (30.9)	365 (14.4)	125 (4.9)	161.5 (6.4)	180 (7.1)	165 (6.5)	260 (10.2)	610 (24)		1"
LPS-35X-635Y-FC4-1							192.5 (7.6)					745 (29.3)		1"
LPS-35X-685Y-FC4-1							217.5 (8.6)					795 (31.3)		1"
LPS-35X-735Y-FC4-1							242.5 (9.5)					845 (33.3)		1"
LPS-35X-785Y-FC4-1							267.5 (10.5)					895 (35.2)		1"
LPS-35X-835Y-FC4-1							292.5 (11.5)					945 (37.2)		1"
LPS-35X-385Y-FC4-2							54.5 (2.1)					469 (18.5)		1"
LPS-35X-435Y-FC4-2							83 (3.3)					526 (20.7)		1"
LPS-35X-485Y-FC4-2							109 (4.3)					578 (22.8)		1"
LPS-35X-535Y-FC4-2							135 (5.3)					630 (24.8)		1"
LPS-35X-585Y-FC4-2	3253 (128.1)	1650 (65)	400 (15.7)	419 (16.5)	784 (30.9)	365 (14.4)	125 (4.9)	161.5 (6.4)	180 (7.1)	165 (6.5)	260 (10.2)	610 (24)		1"
LPS-35X-635Y-FC4-2							192.5 (7.6)					745 (29.3)		1"
LPS-35X-685Y-FC4-2							217.5 (8.6)					795 (31.3)		1"
LPS-35X-735Y-FC4-2							242.5 (9.5)					845 (33.3)		1"
LPS-35X-785Y-FC4-2							267.5 (10.5)					895 (35.2)		1"
LPS-35X-835Y-FC4-2							292.5 (11.5)					945 (37.2)		1"
LPS-35X-385Y-FC4-3							54.5 (2.1)					469 (18.5)		1"
LPS-35X-435Y-FC4-3							83 (3.3)					526 (20.7)		1"
LPS-35X-485Y-FC4-3							109 (4.3)					578 (22.8)		1"
LPS-35X-535Y-FC4-3							135 (5.3)					630 (24.8)		1"
LPS-35X-585Y-FC4-3	3253 (128.1)	1650 (65)	400 (15.7)	419 (16.5)	784 (30.9)	365 (14.4)	125 (4.9)	161.5 (6.4)	180 (7.1)	165 (6.5)	260 (10.2)	610 (24)		1"
LPS-35X-635Y-FC4-3							192.5 (7.6)					745 (29.3)		1"
LPS-35X-685Y-FC4-3							217.5 (8.6)					795 (31.3)		1"
LPS-35X-735Y-FC4-3							242.5 (9.5)					845 (33.3)		1"
LPS-35X-785Y-FC4-3							267.5 (10.5)					895 (35.2)		1"
LPS-35X-835Y-FC4-3							292.5 (11.5)					945 (37.2)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-40 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	" P" NPT PORT
LPS-40X-485Y-FC1-1							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-FC1-1							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-FC1-1							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-FC1-1							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-FC1-1	3084 (121,4)	1300 (51,2)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	200 (7,9)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC1-1							222,5 (8,8)					845 (33,3)		1"
LPS-40X-785Y-FC1-1							247,5 (9,7)					895 (35,2)		1"
LPS-40X-835Y-FC1-1							272,5 (10,7)					945 (37,2)		1"
LPS-40X-885Y-FC1-1							297,5 (11,7)					995 (39,2)		1"
LPS-40X-1050Y-FC1-1							380 (15)					1160 (45,7)		1"
LPS-40X-485Y-FC2-1							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-FC2-1							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-FC2-1							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-FC2-1							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-FC2-1	3284 (129,3)	1500 (59,1)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	200 (7,9)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC2-1							222,5 (8,8)					845 (33,3)		1"
LPS-40X-785Y-FC2-1							247,5 (9,7)					895 (35,2)		1"
LPS-40X-835Y-FC2-1							272,5 (10,7)					945 (37,2)		1"
LPS-40X-885Y-FC2-1							297,5 (11,7)					995 (39,2)		1"
LPS-40X-1050Y-FC2-1							380 (15)					1160 (45,7)		1"
LPS-40X-485Y-FC3-1							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-FC3-1							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-FC3-1							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-FC3-1							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-FC3-1	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	200 (7,9)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC3-1							222,5 (8,8)					845 (33,3)		1"
LPS-40X-785Y-FC3-1							247,5 (9,7)					895 (35,2)		1"
LPS-40X-835Y-FC3-1							272,5 (10,7)					945 (37,2)		1"
LPS-40X-885Y-FC3-1							297,5 (11,7)					995 (39,2)		1"
LPS-40X-1050Y-FC3-1							380 (15)					1160 (45,7)		1"
LPS-40X-485Y-FC3-2							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-FC3-2							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-FC3-2							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-FC3-2							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-FC3-2	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	200 (7,9)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC3-2							222,5 (8,8)					845 (33,3)		1"
LPS-40X-785Y-FC3-2							247,5 (9,7)					895 (35,2)		1"
LPS-40X-835Y-FC3-2							272,5 (10,7)					945 (37,2)		1"
LPS-40X-885Y-FC3-2							297,5 (11,7)					995 (39,2)		1"
LPS-40X-1050Y-FC3-2							380 (15)					1160 (45,7)		1"

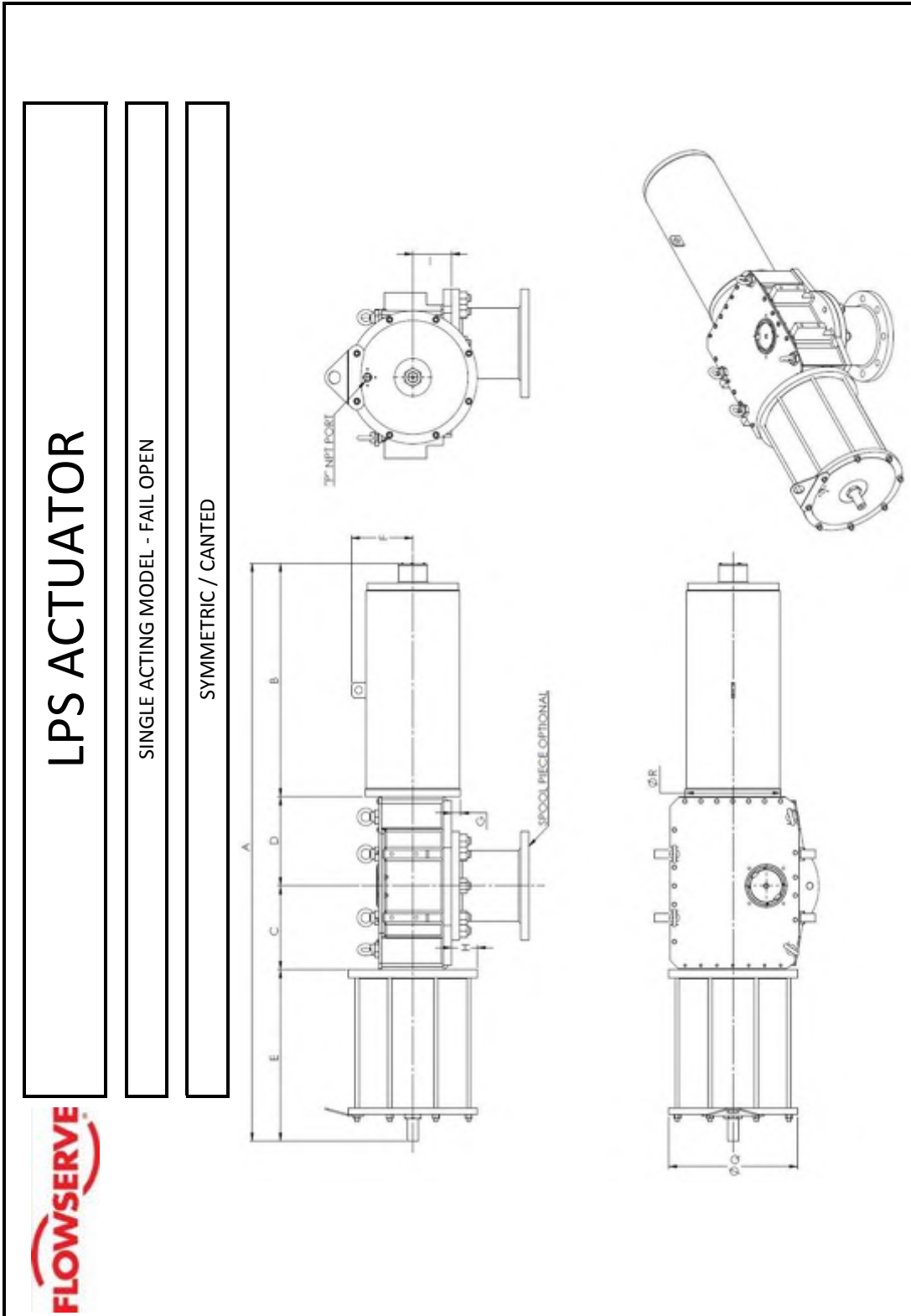
Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Close - w/ port size (continued)

LPS-40 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-40X-485Y-FC4-1								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-FC4-1								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-FC4-1								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-FC4-1								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-FC4-1	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC4-1								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-FC4-1								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-FC4-1								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-FC4-1								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-FC4-1								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-FC4-2								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-FC4-2								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-FC4-2								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-FC4-2								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-FC4-2	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC4-2								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-FC4-2								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-FC4-2								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-FC4-2								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-FC4-2								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-FC4-3								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-FC4-3								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-FC4-3								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-FC4-3								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-FC4-3	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)		1"
LPS-40X-735Y-FC4-3								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-FC4-3								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-FC4-3								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-FC4-3								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-FC4-3								380 (15)				1160 (45,7)		1"

Dimensional Data

Figure 3: Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size



Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size

LPS-15 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-15X-155Y-F01-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F01-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F01-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F01-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F01-1	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	170 (6.7)	26 (1)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	235 (9.3)	1/2"
LPS-15X-285Y-F01-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F01-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F01-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F01-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F01-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-F02-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F02-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F02-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F02-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F02-1	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	170 (6.7)	26 (1)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	235 (9.3)	1/2"
LPS-15X-285Y-F02-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F02-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F02-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F02-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F02-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-F03-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F03-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F03-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F03-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F03-1	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-F03-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F03-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F03-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F03-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F03-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-F03-2								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F03-2								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F03-2								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F03-2								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F03-2	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-F03-2								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F03-2								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F03-2								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F03-2								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F03-2								143 (5.6)				469 (18.5)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-15 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-15X-155Y-F03-3								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F03-3								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F03-3								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F03-3								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F03-3	1208 (47.6)	460 (18.1)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-F03-3								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F03-3								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F03-3								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F03-3								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F03-3								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-F04-1								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F04-1								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F04-1								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F04-1								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F04-1	1248 (49.1)	500 (19.7)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-F04-1								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F04-1								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F04-1								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F04-1								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F04-1								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-F04-2								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F04-2								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F04-2								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F04-2								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F04-2	1248 (49.1)	500 (19.7)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-F04-2								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F04-2								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F04-2								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F04-2								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F04-2								143 (5.6)				469 (18.5)	1"
LPS-15X-155Y-F04-3								27.5 (1.1)				238 (9.4)	1/2"
LPS-15X-175Y-F04-3								37.5 (1.5)				258 (10.2)	1/2"
LPS-15X-200Y-F04-3								50 (2)				283 (11.1)	1/2"
LPS-15X-235Y-F04-3								67.5 (2.7)				318 (12.5)	1/2"
LPS-15X-255Y-F04-3	1248 (49.1)	500 (19.7)	164 (6.5)	174 (6.9)	410 (16.1)	210 (8.3)	66 (2.6)	77.5 (3.1)	91.5 (3.6)	65 (2.6)	120 (4.7)	315 (12.4)	1/2"
LPS-15X-285Y-F04-3								92.5 (3.6)				368 (14.5)	1/2"
LPS-15X-300Y-F04-3								100 (3.9)				383 (15.1)	1"
LPS-15X-335Y-F04-3								117.5 (4.6)				418 (16.5)	1"
LPS-15X-360Y-F04-3								130 (5.1)				443 (17.4)	1"
LPS-15X-385Y-F04-3								143 (5.6)				469 (18.5)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-20 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-20X-235Y-F01-1								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-F01-1								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-F01-1								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-F01-1	1572,5 (61,9)	671,5 (26,4)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	174,5 (6,9)	27 (1,1)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	260 (10,2)	1"
LPS-20X-335Y-F01-1													1"
LPS-20X-360Y-F01-1													1"
LPS-20X-385Y-F01-1													1"
LPS-20X-435Y-F01-1													1"
LPS-20X-485Y-F01-1													1"
LPS-20X-235Y-F02-1								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-F02-1								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-F02-1								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-F02-1	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)	1"
LPS-20X-335Y-F02-1													1"
LPS-20X-360Y-F02-1													1"
LPS-20X-385Y-F02-1													1"
LPS-20X-435Y-F02-1													1"
LPS-20X-485Y-F02-1													1"
LPS-20X-235Y-F02-2								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-F02-2								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-F02-2								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-F02-2	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)	1"
LPS-20X-335Y-F02-2													1"
LPS-20X-360Y-F02-2													1"
LPS-20X-385Y-F02-2													1"
LPS-20X-435Y-F02-2													1"
LPS-20X-485Y-F02-2													1"
LPS-20X-235Y-F02-3								56 (2,2)				318 (12,5)	1/2"
LPS-20X-255Y-F02-3								66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-F02-3								81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-F02-3	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5) 106 (4,2) 118,5 (4,7) 131,5 (5,2) 160 (6,3) 186 (7,3)	103 (4,1)	85 (3,3)	150 (5,9)	316 (12,4)	1"
LPS-20X-335Y-F02-3													1"
LPS-20X-360Y-F02-3													1"
LPS-20X-385Y-F02-3													1"
LPS-20X-435Y-F02-3													1"
LPS-20X-485Y-F02-3													1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-20 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-20X-235Y-F02-4								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-F02-4								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-F02-4								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-F02-4	1557 (61,3)	656 (25,8)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	222 (8,7)	59 (2,3)	88,5 (3,5)	103 (4,1)	85 (3,3)	150 (5,9)	383 (15,1)	316 (12,4)	1"
LPS-20X-335Y-F02-4								106 (4,2)				418 (16,5)		1"
LPS-20X-360Y-F02-4								118,5 (4,7)				443 (17,4)		1"
LPS-20X-385Y-F02-4								131,5 (5,2)				469 (18,5)		1"
LPS-20X-435Y-F02-4								160 (6,3)				526 (20,7)		1"
LPS-20X-485Y-F02-4								186 (7,3)				578 (22,8)		1"
LPS-20X-235Y-F03-1								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-F03-1								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-F03-1								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-F03-1	1563 (61,5)	662 (26,1)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	250,5 (9,9)	87,5 (3,4)	88,5 (3,5)	103 (4,1)	85 (3,3)	150 (5,9)	383 (15,1)	373 (14,7)	1"
LPS-20X-335Y-F03-1								106 (4,2)				418 (16,5)		1"
LPS-20X-360Y-F03-1								118,5 (4,7)				443 (17,4)		1"
LPS-20X-385Y-F03-1								131,5 (5,2)				469 (18,5)		1"
LPS-20X-435Y-F03-1								160 (6,3)				526 (20,7)		1"
LPS-20X-485Y-F03-1								186 (7,3)				578 (22,8)		1"
LPS-20X-235Y-F03-2								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-F03-2								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-F03-2								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-F03-2	1563 (61,5)	662 (26,1)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	250,5 (9,9)	87,5 (3,4)	88,5 (3,5)	103 (4,1)	85 (3,3)	150 (5,9)	383 (15,1)	373 (14,7)	1"
LPS-20X-335Y-F03-2								106 (4,2)				418 (16,5)		1"
LPS-20X-360Y-F03-2								118,5 (4,7)				443 (17,4)		1"
LPS-20X-385Y-F03-2								131,5 (5,2)				469 (18,5)		1"
LPS-20X-435Y-F03-2								160 (6,3)				526 (20,7)		1"
LPS-20X-485Y-F03-2								186 (7,3)				578 (22,8)		1"
LPS-20X-235Y-F03-3								56 (2,2)				318 (12,5)		1/2"
LPS-20X-255Y-F03-3								66 (2,6)				338 (13,3)		1/2"
LPS-20X-285Y-F03-3								81 (3,2)				368 (14,5)		1/2"
LPS-20X-300Y-F03-3	1563 (61,5)	662 (26,1)	218,5 (8,6)	221,5 (8,7)	461 (18,1)	250,5 (9,9)	87,5 (3,4)	88,5 (3,5)	103 (4,1)	85 (3,3)	150 (5,9)	383 (15,1)	373 (14,7)	1"
LPS-20X-335Y-F03-3								106 (4,2)				418 (16,5)		1"
LPS-20X-360Y-F03-3								118,5 (4,7)				443 (17,4)		1"
LPS-20X-385Y-F03-3								131,5 (5,2)				469 (18,5)		1"
LPS-20X-435Y-F03-3								160 (6,3)				526 (20,7)		1"
LPS-20X-485Y-F03-3								186 (7,3)				578 (22,8)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-25 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-25X-285Y-F01-1							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F01-1							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F01-1							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F01-1	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)		1"
LPS-25X-385Y-F01-1							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F01-1							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F01-1							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F01-1							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F01-1							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F01-2							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F01-2							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F01-2							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F01-2	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)		1"
LPS-25X-385Y-F01-2							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F01-2							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F01-2							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F01-2							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F01-2							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F01-4							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F01-4							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F01-4							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F01-4	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)		1"
LPS-25X-385Y-F01-4							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F01-4							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F01-4							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F01-4							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F01-4							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F01-4							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F01-4							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F01-4							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F01-4	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	222 (8,7)	44 (1,7)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	316 (12,4)		1"
LPS-25X-385Y-F01-4							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F01-4							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F01-4							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F01-4							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F01-4							223,5 (8,8)					683 (26,9)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-25 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-25X-285Y-F02-1							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F02-1							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F02-1							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F02-1	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F02-1							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F02-1							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F02-1							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F02-1							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F02-1							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F02-2							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F02-2							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F02-2							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F02-2	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F02-2							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F02-2							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F02-2							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F02-2							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F02-2							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F02-3							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F02-3							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F02-3							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F02-3	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F02-3							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F02-3							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F02-3							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F02-3							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F02-3							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F03-1							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F03-1							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F03-1							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F03-1	1852 (72,9)	759 (29,9)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F03-1							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F03-1							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F03-1							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F03-1							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F03-1							223,5 (8,8)					683 (26,9)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-25 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-25X-285Y-F03-2							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F03-2							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F03-2							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F03-2	1891 (74,4)	798 (31,4)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F03-2							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F03-2							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F03-2							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F03-2							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F03-2							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F03-3							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F03-3							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F03-3							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F03-3	1891 (74,4)	798 (31,4)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F03-3							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F03-3							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F03-3							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F03-3							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F03-3							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F03-4							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F03-4							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F03-4							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F03-4	1891 (74,4)	798 (31,4)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	250,5 (9,9)	72,5 (2,9)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	374 (14,7)		1"
LPS-25X-385Y-F03-4							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F03-4							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F03-4							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F03-4							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F03-4							223,5 (8,8)					683 (26,9)		1"
LPS-25X-285Y-F04-1							66 (2,6)					368 (14,5)		1/2"
LPS-25X-300Y-F04-1							73,5 (2,9)					383 (15,1)		1"
LPS-25X-335Y-F04-1							91 (3,6)					418 (16,5)		1"
LPS-25X-360Y-F04-1	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)		1"
LPS-25X-385Y-F04-1							116,5 (4,6)					469 (18,5)		1"
LPS-25X-435Y-F04-1							145 (5,7)					526 (20,7)		1"
LPS-25X-485Y-F04-1							171 (6,7)					578 (22,8)		1"
LPS-25X-535Y-F04-1							197 (7,8)					630 (24,8)		1"
LPS-25X-585Y-F04-1							223,5 (8,8)					683 (26,9)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-25 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-25X-285Y-F04-2							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-F04-2							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-F04-2							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-F04-2	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-F04-2							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-F04-2							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-F04-2							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-F04-2							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-F04-2							223,5 (8,8)					683 (26,9)	1"
LPS-25X-285Y-F04-3							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-F04-3							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-F04-3							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-F04-3	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-F04-3							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-F04-3							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-F04-3							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-F04-3							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-F04-3							223,5 (8,8)					683 (26,9)	1"
LPS-25X-285Y-F04-4							66 (2,6)					368 (14,5)	1/2"
LPS-25X-300Y-F04-4							73,5 (2,9)					383 (15,1)	1"
LPS-25X-335Y-F04-4							91 (3,6)					418 (16,5)	1"
LPS-25X-360Y-F04-4	1921 (75,6)	828 (32,6)	248,5 (9,8)	266,5 (10,5)	578 (22,8)	269,5 (10,6)	91,5 (3,6)	103,5 (4,1)	118 (4,6)	105 (4,1)	188 (7,4)	411 (16,2)	1"
LPS-25X-385Y-F04-4							116,5 (4,6)					469 (18,5)	1"
LPS-25X-435Y-F04-4							145 (5,7)					526 (20,7)	1"
LPS-25X-485Y-F04-4							171 (6,7)					578 (22,8)	1"
LPS-25X-535Y-F04-4							197 (7,8)					630 (24,8)	1"
LPS-25X-585Y-F04-4							223,5 (8,8)					683 (26,9)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-30 - Dimensions in mm													
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØR	'P' NPT PORT
LPS-30X-335Y-F01-1							51 (2)					418 (16,5)	1"
LPS-30X-360Y-F01-1							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-F01-1							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-F01-1	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	250,5 (9,9)	37 (1,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	390 (15,4)	1"
LPS-30X-485Y-F01-1							131 (5,2)					578 (22,8)	1"
LPS-30X-535Y-F01-1							157 (6,2)					630 (24,8)	1"
LPS-30X-585Y-F01-1							183,5 (7,2)					683 (26,9)	1"
LPS-30X-635Y-F01-1							214,5 (8,4)					745 (29,3)	1"
LPS-30X-685Y-F01-1							239,5 (9,4)					795 (31,3)	1"
LPS-30X-335Y-F01-2							51 (2)					418 (16,5)	1"
LPS-30X-360Y-F01-2							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-F01-2							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-F01-2	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	250,5 (9,9)	37 (1,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	390 (15,4)	1"
LPS-30X-485Y-F01-2							131 (5,2)					578 (22,8)	1"
LPS-30X-535Y-F01-2							157 (6,2)					630 (24,8)	1"
LPS-30X-585Y-F01-2							183,5 (7,2)					683 (26,9)	1"
LPS-30X-635Y-F01-2							214,5 (8,4)					745 (29,3)	1"
LPS-30X-685Y-F01-2							239,5 (9,4)					795 (31,3)	1"
LPS-30X-335Y-F01-3							51 (2)					418 (16,5)	1"
LPS-30X-360Y-F01-3							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-F01-3							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-F01-3	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	250,5 (9,9)	37 (1,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	390 (15,4)	1"
LPS-30X-485Y-F01-3							131 (5,2)					578 (22,8)	1"
LPS-30X-535Y-F01-3							157 (6,2)					630 (24,8)	1"
LPS-30X-585Y-F01-3							183,5 (7,2)					683 (26,9)	1"
LPS-30X-635Y-F01-3							214,5 (8,4)					745 (29,3)	1"
LPS-30X-685Y-F01-3							239,5 (9,4)					795 (31,3)	1"
LPS-30X-335Y-F02-1							51 (2)					418 (16,5)	1"
LPS-30X-360Y-F02-1							63,5 (2,5)					443 (17,4)	1"
LPS-30X-385Y-F02-1							76,5 (3)					469 (18,5)	1"
LPS-30X-435Y-F02-1	2333 (91,9)	930 (36,6)	332 (13,1)	377 (14,8)	694 (27,3)	269,5 (10,6)	51,5 (2)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	410 (16,1)	1"
LPS-30X-485Y-F02-1							131 (5,2)					578 (22,8)	1"
LPS-30X-535Y-F02-1							157 (6,2)					630 (24,8)	1"
LPS-30X-585Y-F02-1							183,5 (7,2)					683 (26,9)	1"
LPS-30X-635Y-F02-1							214,5 (8,4)					745 (29,3)	1"
LPS-30X-685Y-F02-1							239,5 (9,4)					795 (31,3)	1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-30 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-30X-335Y-F02-2							51,5	51 (2)				418 (16,5)		1"
LPS-30X-360Y-F02-2							63,5 (2,5)	63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F02-2							76,5 (3)	76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F02-2							105 (4,1)	105 (4,1)				526 (20,7)		1"
LPS-30X-485Y-F02-2							131 (5,2)	131 (5,2)				578 (22,8)	410	1"
LPS-30X-535Y-F02-2							157 (6,2)	157 (6,2)				630 (24,8)	(16,1)	1"
LPS-30X-585Y-F02-2							183,5 (7,2)	183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F02-2							214,5 (8,4)	214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F02-2							239,5 (9,4)	239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-F02-3							51 (2)	51 (2)				418 (16,5)		1"
LPS-30X-360Y-F02-3							63,5 (2,5)	63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F02-3							76,5 (3)	76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F02-3							105 (4,1)	105 (4,1)				526 (20,7)		1"
LPS-30X-485Y-F02-3							131 (5,2)	131 (5,2)				578 (22,8)	410	1"
LPS-30X-535Y-F02-3							157 (6,2)	157 (6,2)				630 (24,8)	(16,1)	1"
LPS-30X-585Y-F02-3							183,5 (7,2)	183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F02-3							214,5 (8,4)	214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F02-3							239,5 (9,4)	239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-F02-4							51 (2)	51 (2)				418 (16,5)		1"
LPS-30X-360Y-F02-4							63,5 (2,5)	63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F02-4							76,5 (3)	76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F02-4							105 (4,1)	105 (4,1)				526 (20,7)		1"
LPS-30X-485Y-F02-4							131 (5,2)	131 (5,2)				578 (22,8)	410	1"
LPS-30X-535Y-F02-4							157 (6,2)	157 (6,2)				630 (24,8)	(16,1)	1"
LPS-30X-585Y-F02-4							183,5 (7,2)	183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F02-4							214,5 (8,4)	214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F02-4							239,5 (9,4)	239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-F03-1							51 (2)	51 (2)				418 (16,5)		1"
LPS-30X-360Y-F03-1							63,5 (2,5)	63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F03-1							76,5 (3)	76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F03-1							105 (4,1)	105 (4,1)				526 (20,7)		1"
LPS-30X-485Y-F03-1							131 (5,2)	131 (5,2)				578 (22,8)	436	1"
LPS-30X-535Y-F03-1							157 (6,2)	157 (6,2)				630 (24,8)	(17,2)	1"
LPS-30X-585Y-F03-1							183,5 (7,2)	183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F03-1							214,5 (8,4)	214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F03-1							239,5 (9,4)	239,5 (9,4)				795 (31,3)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-30 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-30X-335Y-F03-2							51 (2)					418 (16,5)		1"
LPS-30X-360Y-F03-2							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-F03-2							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-F03-2	2354 (92,7)	951 (37,4)	332 (13,1)	377 (14,8)	694 (27,3)	282,5 (11,1)	64,5 (2,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	436 (17,2)	1"
LPS-30X-485Y-F03-2							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-F03-2							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-F03-2							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-F03-2							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-F03-2							239,5 (9,4)					795 (31,3)		1"
LPS-30X-335Y-F03-3							51 (2)					418 (16,5)		1"
LPS-30X-360Y-F03-3							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-F03-3							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-F03-3	2354 (92,7)	951 (37,4)	332 (13,1)	377 (14,8)	694 (27,3)	282,5 (11,1)	64,5 (2,5)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	436 (17,2)	1"
LPS-30X-485Y-F03-3							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-F03-3							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-F03-3							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-F03-3							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-F03-3							239,5 (9,4)					795 (31,3)		1"
LPS-30X-335Y-F04-1							51 (2)					418 (16,5)		1"
LPS-30X-360Y-F04-1							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-F04-1							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-F04-1	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-F04-1							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-F04-1							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-F04-1							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-F04-1							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-F04-1							239,5 (9,4)					795 (31,3)		1"
LPS-30X-335Y-F04-2							51 (2)					418 (16,5)		1"
LPS-30X-360Y-F04-2							63,5 (2,5)					443 (17,4)		1"
LPS-30X-385Y-F04-2							76,5 (3)					469 (18,5)		1"
LPS-30X-435Y-F04-2	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-F04-2							131 (5,2)					578 (22,8)		1"
LPS-30X-535Y-F04-2							157 (6,2)					630 (24,8)		1"
LPS-30X-585Y-F04-2							183,5 (7,2)					683 (26,9)		1"
LPS-30X-635Y-F04-2							214,5 (8,4)					745 (29,3)		1"
LPS-30X-685Y-F04-2							239,5 (9,4)					795 (31,3)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-30 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-30X-335Y-F04-3								51 (2)				418 (16,5)		1"
LPS-30X-360Y-F04-3								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F04-3								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F04-3								105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-F04-3	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	131 (5,2)				578 (22,8)		1"
LPS-30X-535Y-F04-3								157 (6,2)				630 (24,8)		1"
LPS-30X-585Y-F04-3								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F04-3								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F04-3								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-F04-4								51 (2)				418 (16,5)		1"
LPS-30X-360Y-F04-4								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F04-4								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F04-4								105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-F04-4	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	131 (5,2)				578 (22,8)		1"
LPS-30X-535Y-F04-4								157 (6,2)				630 (24,8)		1"
LPS-30X-585Y-F04-4								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F04-4								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F04-4								239,5 (9,4)				795 (31,3)		1"
LPS-30X-335Y-F04-5								51 (2)				418 (16,5)		1"
LPS-30X-360Y-F04-5								63,5 (2,5)				443 (17,4)		1"
LPS-30X-385Y-F04-5								76,5 (3)				469 (18,5)		1"
LPS-30X-435Y-F04-5								105 (4,1)	158 (6,2)	135 (5,3)	215 (8,5)	526 (20,7)	499 (19,6)	1"
LPS-30X-485Y-F04-5	2378 (93,6)	975 (38,4)	332 (13,1)	377 (14,8)	694 (27,3)	314 (12,4)	96 (3,8)	131 (5,2)				578 (22,8)		1"
LPS-30X-535Y-F04-5								157 (6,2)				630 (24,8)		1"
LPS-30X-585Y-F04-5								183,5 (7,2)				683 (26,9)		1"
LPS-30X-635Y-F04-5								214,5 (8,4)				745 (29,3)		1"
LPS-30X-685Y-F04-5								239,5 (9,4)				795 (31,3)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-35 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-35X-385Y-F01-1								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-F01-1								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-F01-1								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-F01-1								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-F01-1	2603 (102,5)	1000 (39,4)	400 (15,7)	419 (16,5)	784 (30,9)	265 (10,4)	25 (1)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	410 (16,1)	1"
LPS-35X-635Y-F01-1								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-F01-1								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-F01-1								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-F01-1								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-F01-1								292,5 (11,5)				945 (37,2)		1"
LPS-35X-385Y-F02-1								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-F02-1								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-F02-1								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-F02-1								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-F02-1	2703 (106,4)	1100 (43,3)	400 (15,7)	419 (16,5)	784 (30,9)	265 (10,4)	25 (1)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	410 (16,1)	1"
LPS-35X-635Y-F02-1								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-F02-1								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-F02-1								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-F02-1								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-F02-1								292,5 (11,5)				945 (37,2)		1"
LPS-35X-385Y-F03-1								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-F03-1								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-F03-1								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-F03-1								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-F03-1	3103 (122,2)	1500 (59,1)	400 (15,7)	419 (16,5)	784 (30,9)	309,5 (12,2)	69,5 (2,7)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	499 (19,6)	1"
LPS-35X-635Y-F03-1								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-F03-1								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-F03-1								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-F03-1								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-F03-1								292,5 (11,5)				945 (37,2)		1"
LPS-35X-385Y-F03-2								54,5 (2,1)				469 (18,5)		1"
LPS-35X-435Y-F03-2								83 (3,3)				526 (20,7)		1"
LPS-35X-485Y-F03-2								109 (4,3)				578 (22,8)		1"
LPS-35X-535Y-F03-2								135 (5,3)				630 (24,8)		1"
LPS-35X-585Y-F03-2	3103 (122,2)	1500 (59,1)	400 (15,7)	419 (16,5)	784 (30,9)	309,5 (12,2)	69,5 (2,7)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	499 (19,6)	1"
LPS-35X-635Y-F03-2								192,5 (7,6)				745 (29,3)		1"
LPS-35X-685Y-F03-2								217,5 (8,6)				795 (31,3)		1"
LPS-35X-735Y-F03-2								242,5 (9,5)				845 (33,3)		1"
LPS-35X-785Y-F03-2								267,5 (10,5)				895 (35,2)		1"
LPS-35X-835Y-F03-2								292,5 (11,5)				945 (37,2)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-35 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-35X-385Y-F04-1							54,5 (2,1)					469 (18,5)		1"
LPS-35X-435Y-F04-1							83 (3,3)					526 (20,7)		1"
LPS-35X-485Y-F04-1							109 (4,3)					578 (22,8)		1"
LPS-35X-535Y-F04-1							135 (5,3)					630 (24,8)		1"
LPS-35X-585Y-F04-1	3253 (128,1)	1650 (65)	400 (15,7)	419 (16,5)	784 (30,9)	365 (14,4)	125 (4,9)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	610 (24)	1"
LPS-35X-635Y-F04-1							192,5 (7,6)					745 (29,3)		1"
LPS-35X-685Y-F04-1							217,5 (8,6)					795 (31,3)		1"
LPS-35X-735Y-F04-1							242,5 (9,5)					845 (33,3)		1"
LPS-35X-785Y-F04-1							267,5 (10,5)					895 (35,2)		1"
LPS-35X-835Y-F04-1							292,5 (11,5)					945 (37,2)		1"
LPS-35X-385Y-F04-2							54,5 (2,1)					469 (18,5)		1"
LPS-35X-435Y-F04-2							83 (3,3)					526 (20,7)		1"
LPS-35X-485Y-F04-2							109 (4,3)					578 (22,8)		1"
LPS-35X-535Y-F04-2							135 (5,3)					630 (24,8)		1"
LPS-35X-585Y-F04-2	3253 (128,1)	1650 (65)	400 (15,7)	419 (16,5)	784 (30,9)	365 (14,4)	125 (4,9)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	610 (24)	1"
LPS-35X-635Y-F04-2							192,5 (7,6)					745 (29,3)		1"
LPS-35X-685Y-F04-2							217,5 (8,6)					795 (31,3)		1"
LPS-35X-735Y-F04-2							242,5 (9,5)					845 (33,3)		1"
LPS-35X-785Y-F04-2							267,5 (10,5)					895 (35,2)		1"
LPS-35X-835Y-F04-2							292,5 (11,5)					945 (37,2)		1"
LPS-35X-385Y-F04-3							54,5 (2,1)					469 (18,5)		1"
LPS-35X-435Y-F04-3							83 (3,3)					526 (20,7)		1"
LPS-35X-485Y-F04-3							109 (4,3)					578 (22,8)		1"
LPS-35X-535Y-F04-3							135 (5,3)					630 (24,8)		1"
LPS-35X-585Y-F04-3	3253 (128,1)	1650 (65)	400 (15,7)	419 (16,5)	784 (30,9)	365 (14,4)	125 (4,9)	161,5 (6,4)	180 (7,1)	165 (6,5)	260 (10,2)	683 (26,9)	610 (24)	1"
LPS-35X-635Y-F04-3							192,5 (7,6)					745 (29,3)		1"
LPS-35X-685Y-F04-3							217,5 (8,6)					795 (31,3)		1"
LPS-35X-735Y-F04-3							242,5 (9,5)					845 (33,3)		1"
LPS-35X-785Y-F04-3							267,5 (10,5)					895 (35,2)		1"
LPS-35X-835Y-F04-3							292,5 (11,5)					945 (37,2)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-40 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-40X-485Y-F01-1								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-F01-1								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-F01-1								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-F01-1								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-F01-1	3084 (121,4)	1300 (51,2)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F01-1								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F01-1								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F01-1								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F01-1								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F01-1								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-F02-1								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-F02-1								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-F02-1								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-F02-1								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-F02-1	3284 (129,3)	1500 (59,1)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F02-1								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F02-1								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F02-1								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F02-1								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F02-1								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-F03-1								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-F03-1								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-F03-1								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-F03-1								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-F03-1	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F03-1								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F03-1								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F03-1								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F03-1								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F03-1								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-F03-2								89 (3,5)				578 (22,8)		1"
LPS-40X-535Y-F03-2								115 (4,5)				630 (24,8)		1"
LPS-40X-585Y-F03-2								141,5 (5,6)				683 (26,9)		1"
LPS-40X-635Y-F03-2								172,5 (6,8)				745 (29,3)		1"
LPS-40X-685Y-F03-2	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F03-2								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F03-2								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F03-2								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F03-2								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F03-2								380 (15)				1160 (45,7)		1"

Dimensional Data

Dimensional Data - Single Acting - Sym/Cant - Fail Open - w/ port size (continued)

LPS-40 - Dimensions in mm														
MODEL	A	B	C	D	E	F	G	H	I	K	L	ØQ	ØR	'P' NPT PORT
LPS-40X-485Y-F04-1							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-F04-1							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-F04-1							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-F04-1							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-F04-1	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F04-1								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F04-1								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F04-1								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F04-1								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F04-1								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-F04-2							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-F04-2							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-F04-2							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-F04-2							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-F04-2	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F04-2								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F04-2								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F04-2								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F04-2								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F04-2								380 (15)				1160 (45,7)		1"
LPS-40X-485Y-F04-3							89 (3,5)					578 (22,8)		1"
LPS-40X-535Y-F04-3							115 (4,5)					630 (24,8)		1"
LPS-40X-585Y-F04-3							141,5 (5,6)					683 (26,9)		1"
LPS-40X-635Y-F04-3							172,5 (6,8)					745 (29,3)		1"
LPS-40X-685Y-F04-3	3934 (154,9)	2150 (84,6)	425 (16,7)	475 (18,7)	884 (34,8)	365 (14,4)	105 (4,1)	197,5 (7,8)	200 (7,9)	200 (7,9)	300 (11,8)	610 (24)	610 (24)	1"
LPS-40X-735Y-F04-3								222,5 (8,8)				845 (33,3)		1"
LPS-40X-785Y-F04-3								247,5 (9,7)				895 (35,2)		1"
LPS-40X-835Y-F04-3								272,5 (10,7)				945 (37,2)		1"
LPS-40X-885Y-F04-3								297,5 (11,7)				995 (39,2)		1"
LPS-40X-1050Y-F04-3								380 (15)				1160 (45,7)		1"

Dimensional Data

Dimensional Data - Double Acting - Sym/Cant - Met/Imp - w/ port size

LPS ACTUATOR

DOUBLE ACTING MODEL

SYMMETRIC / CANTED

FLOWSERVE

Dimensional Data

Dimensional Data - Double Acting - Sym/Cant - Met/Imp - w/ port size (continued)

LPS-15-20-25-30 - Dimensions in mm (inch)										
MODEL	A	C	D	E	H	I	K	L	ØQ	P' NPT PORT
LPS-15X-155Y-D1	828 (32,6)	244 (9,6)	174 (6,9)	410 (16,1)	27,5 (1,1)	91,5 (3,6)	65 (2,6)	120 (4,7)	238 (9,4)	1/2"
LPS-15X-175Y-D1					37,5 (1,5)				258 (10,2)	1/2"
LPS-15X-200Y-D1					50 (2)				283 (11,1)	1/2"
LPS-15X-235Y-D1					67,5 (2,7)				318 (12,5)	1/2"
LPS-15X-255Y-D1					77,5 (3,1)				338 (13,3)	1/2"
LPS-15X-285Y-D1					92,5 (3,6)				368 (14,5)	1/2"
LPS-15X-300Y-D1					100 (3,9)				383 (15,1)	1"
LPS-15X-335Y-D1					117,5 (4,6)				418 (16,5)	1"
LPS-15X-360Y-D1	130 (5,1)	443 (17,4)	1"							
LPS-15X-385Y-D1	143 (5,6)	469 (18,5)	1"							
LPS-20X-235Y-D1	982 (38,7)	299,5 (11,8)	221,5 (8,7)	461 (18,1)	56 (2,2)	103 (4,1)	85 (3,3)	150 (5,9)	318 (12,5)	1/2"
LPS-20X-255Y-D1					66 (2,6)				338 (13,3)	1/2"
LPS-20X-285Y-D1					81 (3,2)				368 (14,5)	1/2"
LPS-20X-300Y-D1					88,5 (3,5)				383 (15,1)	1"
LPS-20X-335Y-D1					106 (4,2)				418 (16,5)	1"
LPS-20X-360Y-D1					118,5 (4,7)				443 (17,4)	1"
LPS-20X-385Y-D1					131,5 (5,2)				469 (18,5)	1"
LPS-20X-435Y-D1					160 (6,3)				526 (20,7)	1"
LPS-20X-485Y-D1	186 (7,3)	578 (22,8)	1"							
LPS-25X-285Y-D1	1183,5 (46,6)	339 (13,3)	266,5 (10,5)	578 (22,8)	66 (2,6)	118 (4,6)	105 (4,1)	188 (7,4)	368 (14,5)	1/2"
LPS-25X-300Y-D1					73,5 (2,9)				383 (15,1)	1"
LPS-25X-335Y-D1					91 (3,6)				418 (16,5)	1"
LPS-25X-360Y-D1					103,5 (4,1)				443 (17,4)	1"
LPS-25X-385Y-D1					116,5 (4,6)				469 (18,5)	1"
LPS-25X-435Y-D1					145 (5,7)				526 (20,7)	1"
LPS-25X-485Y-D1					171 (6,7)				578 (22,8)	1"
LPS-25X-535Y-D1					197 (7,8)				630 (24,8)	1"
LPS-25X-585Y-D1	223,5 (8,8)	683 (26,9)	1"							
LPS-30X-335Y-D1	1506 (59,3)	435 (17,1)	377 (14,8)	694 (27,3)	51 (2)	158 (6,2)	135 (5,3)	215 (8,5)	418 (16,5)	1"
LPS-30X-360Y-D1					63,5 (2,5)				443 (17,4)	1"
LPS-30X-385Y-D1					76,5 (3)				469 (18,5)	1"
LPS-30X-435Y-D1					105 (4,1)				526 (20,7)	1"
LPS-30X-485Y-D1					131 (5,2)				578 (22,8)	1"
LPS-30X-535Y-D1					157 (6,2)				630 (24,8)	1"
LPS-30X-585Y-D1					183,5 (7,2)				683 (26,9)	1"
LPS-30X-635Y-D1					214,5 (8,4)				745 (29,3)	1"
LPS-30X-685Y-D1	239,5 (9,4)	795 (31,3)	1"							

Dimensional Data

Dimensional Data - Double Acting - Sym/Cant - Met/Imp - w/ port size (continued)

LPS-35-40 - Dimensions in mm (inch)										
MODEL	A	C	D	E	H	I	K	L	ØQ	'P' NPT PORT
LPS-35X-385Y-D1	1713 (67,4)	510 (20,1)	419 (16,5)	784 (30,9)	54,5 (2,1)	180 (7,1)	165 (6,5)	260 (10,2)	469 (18,5)	1"
LPS-35X-435Y-D1					83 (3,3)				526 (20,7)	1"
LPS-35X-485Y-D1					109 (4,3)				578 (22,8)	1"
LPS-35X-535Y-D1					135 (5,3)				630 (24,8)	1"
LPS-35X-585Y-D1					161,5 (6,4)				683 (26,9)	1"
LPS-35X-635Y-D1					192,5 (7,6)				745 (29,3)	1"
LPS-35X-685Y-D1					217,5 (8,6)				795 (31,3)	1"
LPS-35X-735Y-D1					242,5 (9,5)				845 (33,3)	1"
LPS-35X-785Y-D1	267,5 (10,5)	895 (35,2)	1"							
LPS-35X-835Y-D1	292,5 (11,5)	945 (37,2)	1"							
LPS-40X-485Y-D1	1934 (76,1)	575 (22,6)	475 (18,7)	884 (34,8)	89 (3,5)	200 (7,9)	200 (7,9)	300 (11,8)	578 (22,8)	1"
LPS-40X-535Y-D1					115 (4,5)				630 (24,8)	1"
LPS-40X-585Y-D1					141,5 (5,6)				683 (26,9)	1"
LPS-40X-635Y-D1					172,5 (6,8)				745 (29,3)	1"
LPS-40X-685Y-D1					197,5 (7,8)				795 (31,3)	1"
LPS-40X-735Y-D1					222,5 (8,8)				845 (33,3)	1"
LPS-40X-785Y-D1					247,5 (9,7)				895 (35,2)	1"
LPS-40X-835Y-D1					272,5 (10,7)				945 (37,2)	1"
LPS-40X-885Y-D1	297,5 (11,7)	995 (39,2)	1"							
LPS-40X-1050Y-D1	380 (15)	1160 (45,7)	1"							

Internal Volume Selection Table

Internal Volume Data

		INTERNAL VOLUME SELECTION TABLE																		
		15	20	25	30	35	40													
PNEUMATIC CYLINDER SIZE	155	3.7 (0.99)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	175	4.2 (1.11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	200	4.8 (1.27)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	235	5.7 (1.5)	7.3 (1.94)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	255	6.1 (1.62)	8 (2.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	285	6.7 (1.78)	8.7 (2.31)	15.7 (4.14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	300	6.9 (1.83)	9.1 (2.39)	16.8 (4.44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	335	7.6 (2)	9.9 (2.63)	18.8 (4.96)	28.5 (7.52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	360	8.1 (2.15)	10.7 (2.82)	19.8 (5.23)	30.2 (7.99)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	385	8.5 (2.25)	11 (2.92)	21.9 (5.8)	33.1 (8.75)	48.9 (12.92)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	435	-	12.3 (3.24)	25.2 (6.67)	37.4 (9.88)	54.4 (14.37)	84.8 (22.41)	-	-	-	-	-	-	-	-	-	-	-	-	-
	485	-	13.2 (3.49)	27.6 (7.3)	41.2 (10.89)	61.1 (16.15)	104.3 (27.55)	-	-	-	-	-	-	-	-	-	-	-	-	-
	535	-	-	31.6 (8.34)	47.1 (12.44)	67.9 (17.95)	125.7 (33.22)	-	-	-	-	-	-	-	-	-	-	-	-	-
	585	-	-	35.1 (9.27)	50.9 (13.45)	74.9 (19.78)	149.2 (39.41)	-	-	-	-	-	-	-	-	-	-	-	-	-
	635	-	-	-	55.2 (14.6)	81.3 (21.47)	174.6 (46.14)	-	-	-	-	-	-	-	-	-	-	-	-	-
	685	-	-	-	61 (16.11)	87 (22.98)	202.1 (53.39)	-	-	-	-	-	-	-	-	-	-	-	-	-
735	-	-	-	-	92.6 (24.47)	231.5 (61.17)	-	-	-	-	-	-	-	-	-	-	-	-	-	
785	-	-	-	-	98.1 (25.92)	263 (69.48)	-	-	-	-	-	-	-	-	-	-	-	-	-	
835	-	-	-	-	106.9 (28.24)	296.4 (78.32)	-	-	-	-	-	-	-	-	-	-	-	-	-	
885	-	-	-	-	-	331.9 (87.68)	-	-	-	-	-	-	-	-	-	-	-	-	-	
1050	-	-	-	-	-	435.8 (115.13)	-	-	-	-	-	-	-	-	-	-	-	-	-	

For double acting actuators, in case of dual or tandem cylinder, consider the volume doubled

Volume in Liters (gallons)
 Volumes may be subject to changes over time. For the accurate measurement please contact the manufacturer.

Mounting Interface Dimensions

Mounting Interface Dimensions

Actuator Size	ISO 5211 Flange Interface (reference)	No. of Holes	Hole Diameter	P.C.D. [mm (inch)]	NOTES
LPS-15	F16	4	M20	165 (6,50)	<ul style="list-style-type: none"> Holes in-line with axis of actuator (NOT off-center) Flange torque different from ISO 5211 specification
LPS-20	F25	8	M16	254 (10)	<ul style="list-style-type: none"> Holes in-line with axis of actuator (NOT off-center) Flange torque different from ISO 5211 specification
LPS-25	F30	8	M20	298 (11,73)	<ul style="list-style-type: none"> Holes in-line with axis of actuator (NOT off-center) Flange torque different from ISO 5211 specification
LPS-30	F35	8	M30	356 (14,02)	<ul style="list-style-type: none"> Holes in-line with axis of actuator (NOT off-center) Flange torque different from ISO 5211 specification
LPS-35	F40	8	M36	406 (15,98)	<ul style="list-style-type: none"> Holes in-line with axis of actuator (NOT off-center) Flange torque different from ISO 5211 specification
LPS-40	F48	12	M36	483 (19,02)	<ul style="list-style-type: none"> Holes in-line with axis of actuator (NOT off-center) Flange torque different from ISO 5211 specification

Weights

Actuator Weight - Double Acting

LPS ACTUATOR

example model n°

←

D1

-

155Y

-

15X

-

LPS

WEIGHT SELECTION TABLE - DOUBLE ACTING VERSION

CENTER BODY SIZE	15		20		25		30		35		40	
	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)	kg (lbs)
15	65 (143)	90 (198)	-	-	-	-	-	-	-	-	-	-
20	120 (264)	91 (200)	-	-	-	-	-	-	-	-	-	-
25	165 (363)	93 (205)	-	-	-	-	-	-	-	-	-	-
30	280 (616)	94 (207)	100 (220)	-	-	-	-	-	-	-	-	-
35	505 (1111)	96 (211)	102 (224)	-	-	-	-	-	-	-	-	-
40	1030 (2266)	98 (218)	105 (231)	125 (275)	-	-	-	-	-	-	-	-
		103 (227)	109 (240)	127 (279)	-	-	-	-	-	-	-	-
		110 (242)	118 (260)	131 (288)	168 (370)	-	-	-	-	-	-	-
		127 (279)	136 (299)	142 (312)	170 (374)	-	-	-	-	-	-	-
		150 (330)	168 (370)	175 (385)	183 (403)	195 (429)	-	-	-	-	-	-
			217 (477)	221 (486)	228 (502)	250 (550)	280 (616)	-	-	-	-	-
			290 (638)	295 (649)	315 (693)	335 (737)	355 (781)	-	-	-	-	-
				375 (825)	387 (851)	410 (902)	445 (979)	-	-	-	-	-
				446 (981)	465 (1023)	500 (1100)	545 (1199)	-	-	-	-	-
					570 (1254)	615 (1353)	670 (1474)	-	-	-	-	-
					695 (1529)	740 (1628)	795 (1749)	-	-	-	-	-
						860 (1892)	920 (2024)	-	-	-	-	-
						1000 (2200)	1070 (2354)	-	-	-	-	-
						1150 (2530)	1220 (2684)	-	-	-	-	-
							1380 (3036)	-	-	-	-	-
												1980 (4356)

weights in kg (lbs)

Weights may be subject to changes over time. For the accurate measurement please contact the manufacturer.

PNEUMATIC CYLINDER SIZE

Weights

Actuator Weight - Spring Return

LPS ACTUATOR

WEIGHT SELECTION TABLE - SINGLE ACTING VERSION - FAIL OPEN/CLOSE

LPS

-

15X

-

155Y

+

FC 1-1

-

example model n°

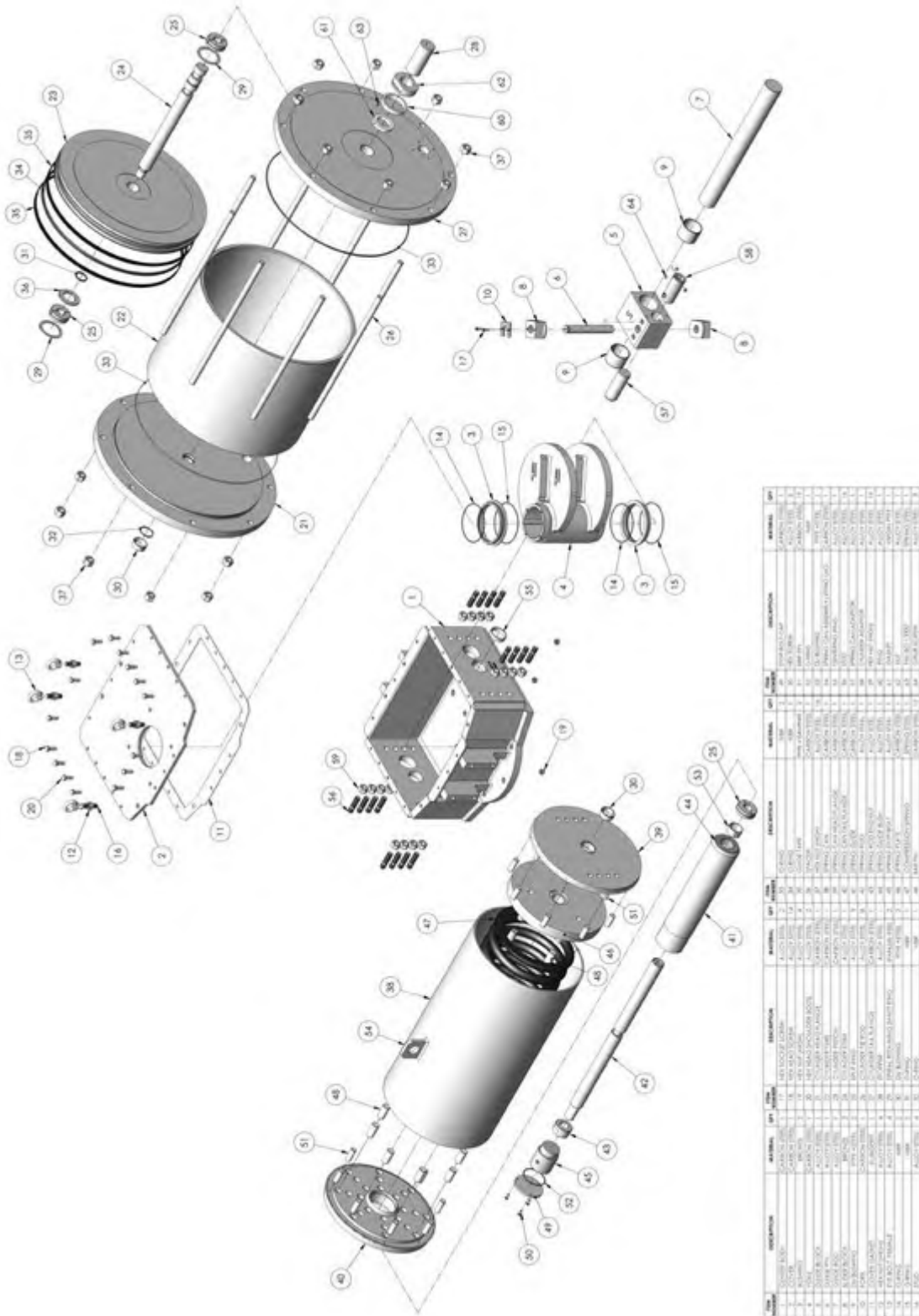
CENTER BODY SIZE	PNEUMATIC CYLINDER SIZE					SPRING CAN SIZE						
	15	20	25	30	35	40	15	20	25	30	35	40
15	50 (110)	-	-	-	-	-	1-1	48 (106)	56 (123)	107 (235)	170 (374)	510 (1397)
20	100 (220)	-	-	-	-	-	1-2	48 (106)	-	139 (306)	180 (396)	-
25	140 (308)	-	-	-	-	-	1-3	-	-	153 (337)	182 (400)	-
30	250 (550)	100 (220)	-	-	-	-	1-4	-	-	143 (315)	-	-
35	470 (1034)	102 (224)	-	-	-	-	1-5	-	-	-	-	-
40	990 (2178)	105 (231)	125 (275)	-	-	-	2-1	76 (167)	115 (253)	142 (312)	180 (396)	540 (1188)
		109 (240)	127 (279)	-	-	-	2-2	77 (169)	118 (260)	158 (348)	195 (429)	-
		118 (260)	131 (288)	168 (370)	-	-	2-3	79 (174)	133 (293)	148 (326)	198 (436)	-
		136 (299)	142 (312)	170 (374)	-	-	2-4	-	123 (271)	-	195 (429)	-
		168 (370)	175 (385)	183 (403)	195 (429)	-	2-5	-	-	-	-	-
		150 (330)	168 (370)	175 (385)	183 (403)	195 (429)	3-1	75 (165)	166 (365)	190 (418)	201 (442)	603 (1327)
		-	217 (477)	221 (486)	228 (502)	250 (550)	3-2	78 (172)	182 (400)	190 (418)	218 (480)	653 (1437)
		-	290 (638)	295 (649)	315 (693)	335 (737)	3-3	81 (178)	172 (378)	160 (352)	222 (488)	-
		-	-	375 (825)	387 (851)	410 (902)	3-4	-	-	160 (352)	-	-
		-	-	446 (981)	465 (1023)	500 (1100)	3-5	-	-	-	-	-
		-	-	-	570 (1254)	615 (1353)	4-1	-	-	-	-	-
		-	-	-	695 (1529)	740 (1628)	4-2	-	-	176 (387)	275 (605)	825 (1815)
		-	-	-	860 (1892)	920 (2024)	4-3	-	-	188 (416)	278 (612)	841 (1850)
		-	-	-	1000 (2200)	1070 (2354)	4-4	-	-	192 (422)	280 (616)	857 (1885)
		-	-	-	1150 (2530)	1220 (2684)	4-5	-	-	188 (416)	283 (623)	-
		-	-	-	1380 (3036)	1980 (4356)						

weights in kg (lbs)

Weights may be subject to changes over time. For the accurate measurement please contact the manufacturer.

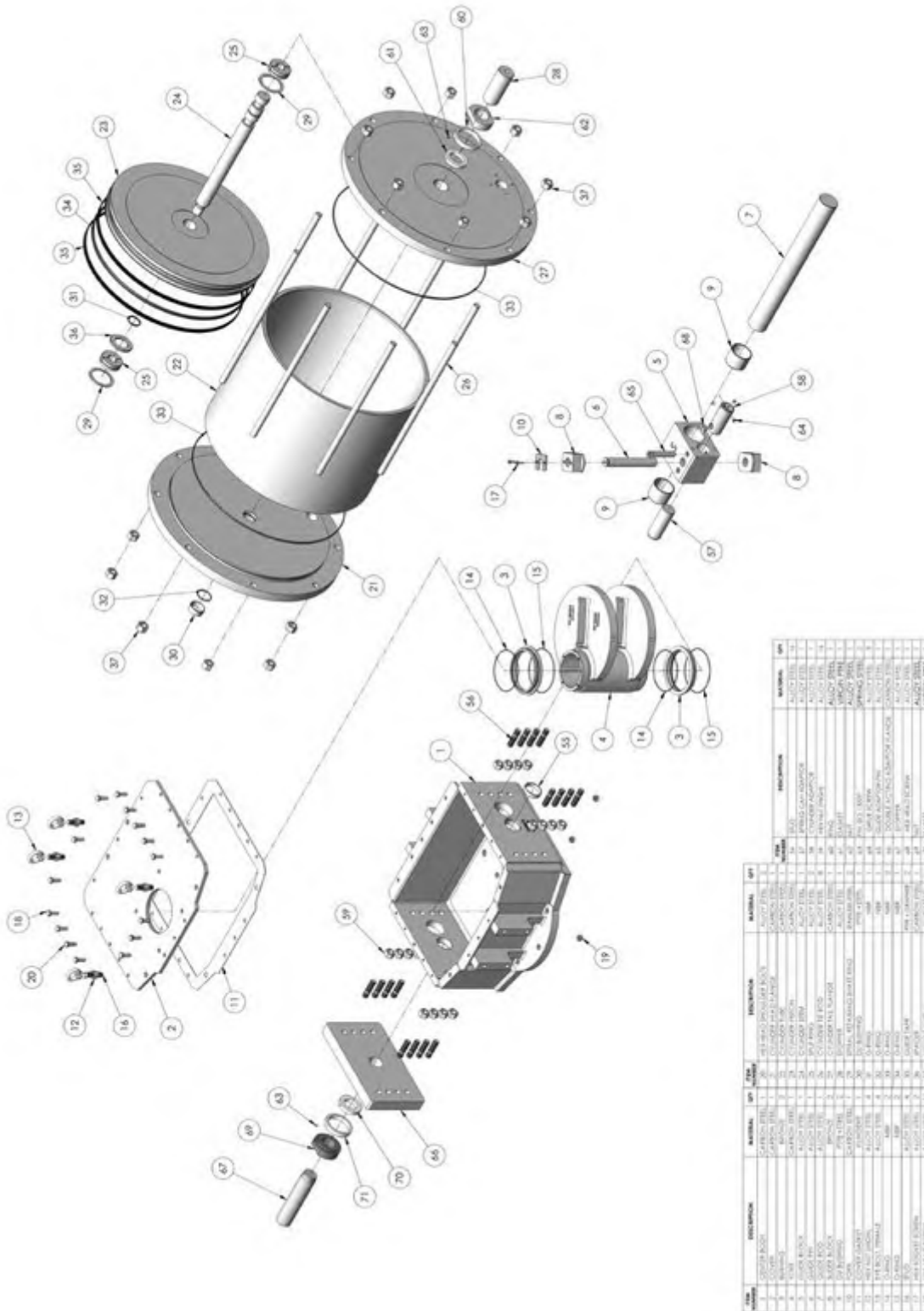
Service Kits

Figure 4: Assembly Spring Return



Service Kits

Figure 5: Assembly Double Acting Single Cylinder





**Flowserve Limitorque
Fluid-Power Product Sales**
via Rio Vallone 17
20883 Mezzago MB
Italy
Fax: +39 039 62060 213
Phone: +39 620 601 200
Email: limitorque@flowserve.com

**Flowserve Limitorque
Fluid-Power Product
Manufacturing and Operations**
via Rio Vallone 17
20883 Mezzago MB
Italy
Fax: +39 039 62060 213
Phone: +39 620 601 200
Email: limitorque@flowserve.com

**Flowserve Limitorque
Fluid-Power Product
Research and Development**
Viale dell'Artigianato, 24
29122 Piacenza, PC
Italy
Email: limitorque@flowserve.com

**To find your local Flowserve representative,
visit www.flowserve.com or call:
USA +1 800 225 6989
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