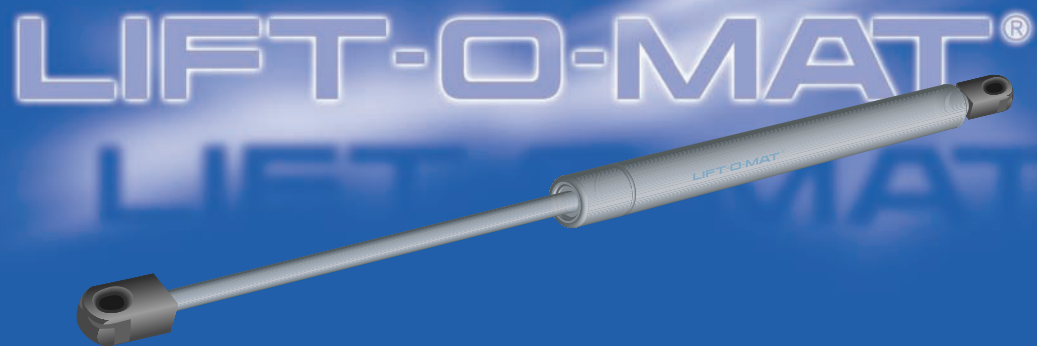


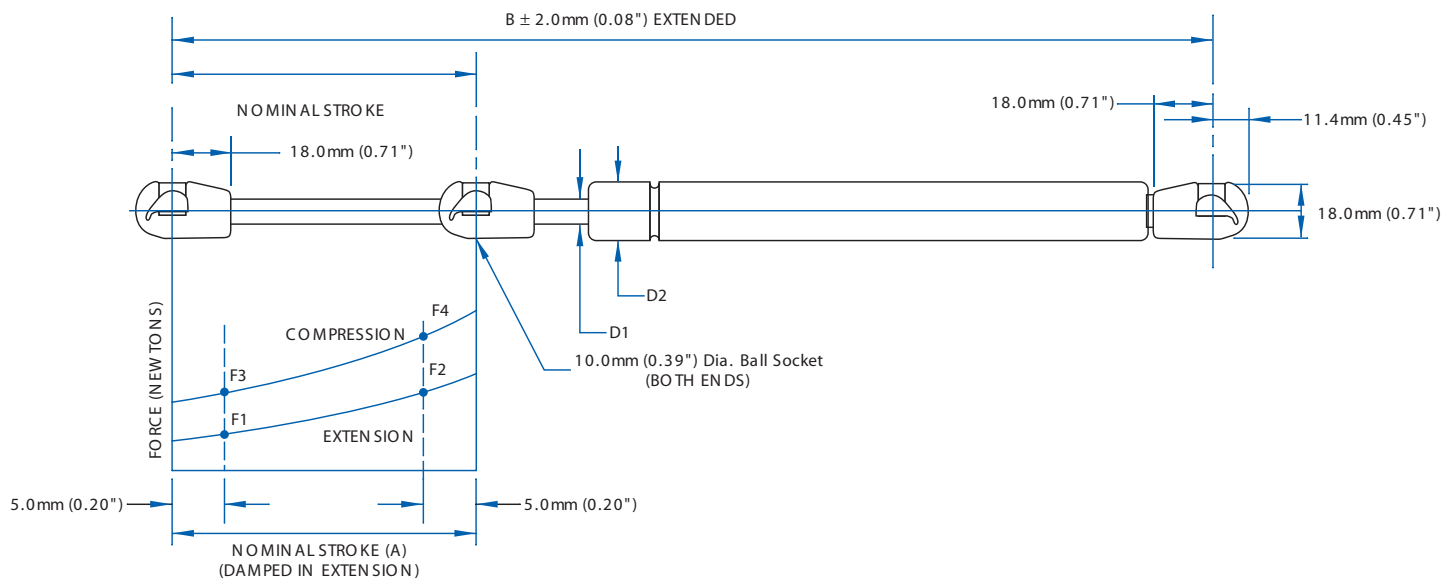
STABILUS

Standard program for gas springs



Experience the Comfort of Gas Spring Technology

LIFT-O-MAT® Technical Information



LIFT-O-MAT® Product Variants

Heavy Duty gas springs increase F1 force options from 1300N to 5200N.

Dynamic Damping controls the extension speed by a longitudinal groove inside the pressure tube designed to continuously dampen during extension.

INTER-STOP® features two unique dynamic damping profiles that create an intermediate stop position along the stroke.

ELECTRO-LIFT® incorporates sliding contact, plastic end-fittings, and an insulating plastic shrink tube to allow an electrical current to be transmitted or switched on/off.

KOMBI-LIFT® combines locking feature in extension and non-locking feature in compression.

INOX® is constructed from 316 stainless steel to increase the corrosion resistance against acid or lye stress and is nearly iron-free for applications sensitive to magnetic fields.

End Position Locking prevents unintentional/accidental closing through the use of either an internal or external locking mechanism.

HYDRO-LIFT® incorporates a mechanical spring in the piston assembly to increase compressive forces for the hold-open function.

HYDRO-LIFT-T® utilizes a temperature compensating valve to create stronger hold-open ability in low temperature environments.

A	B	F ₁	STABILUS
Stroke Length mm (in)	Extended Length mm (in.)	N (lbs)	Part Number

A	B	F ₁	STABILUS
Stroke Length mm (in)	Extended Length mm (in.)	N (lbs)	Part Number

A	B	F ₁	STABILUS
Stroke Length mm (in)	Extended Length mm (in.)	N (lbs)	Part Number

D1 x D2

6 x 15 LIFT-O-MAT® GAS SPRINGS

60 (2.36)	195 (7.68)	50 (11.3)	6444IK	100 (3.94)	275 (10.83)	50 (11.3)	6458IL	150 (5.91)	375 (14.76)	50 (11.3)	6467IK
		100 (22.5)	6488IU			100 (22.5)	6508IH			100 (22.5)	6539IL
		150 (33.7)	6489IP			150 (33.7)	6509IC			150 (33.7)	6541IS
		200 (44.9)	6491IW			200 (44.9)	6511IJ			200 (44.9)	6542IN
		250 (56.2)	6492IR			250 (56.2)	6514IV			250 (56.2)	6543II
		300 (67.5)	6493IM			300 (67.5)	6515IQ			300 (67.5)	6544ID
		350 (78.7)	6494IH			350 (78.7)	6516IL			350 (78.7)	6545IZ
		400 (89.9)	6495IC			400 (89.9)	6517IG			400 (89.9)	3565VM
80 (3.15)	235 (9.25)	50 (11.3)	6449IM	120 (4.72)	315 (12.40)	50 (11.3)	6462II				
		100 (22.5)	6501IP			100 (22.5)	6519IX				
		150 (33.7)	6502IK			150 (33.7)	6521ID				
		200 (44.9)	6503IF			200 (44.9)	6522IZ				
		250 (56.2)	6504IA			250 (56.2)	6523IU				
		300 (67.5)	6505IW			300 (67.5)	6524IP				
		350 (78.7)	6506IR			350 (78.7)	6525IK				
		400 (89.9)	6507IM			400 (89.9)	6526IF				

D1 x D2

8 x 18 LIFT-O-MAT® GAS SPRINGS

80 (2.36)	245 (9.66)	100 (22.5)	752614	120 (4.72)	325 (12.80)	100 (22.5)	752754	200 (7.87)	485 (19.09)	100 (22.5)	752886
		150 (33.7)	752622			150 (33.7)	752762			150 (33.7)	752894
		200 (44.9)	1417EP			200 (44.9)	1424EY			200 (44.9)	1432EB
		250 (56.2)	752630			250 (56.2)	752770			250 (56.2)	752908
		300 (67.5)	1418EK			300 (67.5)	1425ET			300 (67.5)	1433EX
		350 (78.7)	1419EF			350 (78.7)	1426EO			350 (78.7)	1434ES
		400 (89.9)	752649			400 (89.9)	752789			400 (89.9)	752916
		500 (112.4)	752657			500 (112.4)	752797			500 (112.4)	752924
		600 (134.9)	752665			600 (134.9)	752800			600 (134.9)	752932
100 (3.94)	285 (11.22)	100 (22.5)	752673	160 (6.30)	405 (15.95)	100 (22.5)	752819	250 (9.84)	585 (23.03)	100 (22.5)	752940
		150 (33.7)	752681			150 (33.7)	752827			150 (33.7)	752959
		200 (44.9)	1421EM			200 (44.9)	1427EJ			200 (44.9)	1435EN
		250 (56.2)	752703			250 (56.2)	752835			250 (56.2)	752967
		300 (67.5)	1422EH			300 (67.5)	1428EE			300 (67.5)	1436EI
		350 (78.7)	1423EC			350 (78.7)	1431EG			350 (78.7)	1437ED
		400 (89.9)	752711			400 (89.9)	752843			400 (89.9)	752975
		500 (112.4)	752738			500 (112.4)	752851			500 (112.4)	752983
		600 (134.9)	752746			600 (134.9)	752878			600 (134.9)	752991

D1 x D2

10 x 22 LIFT-O-MAT® GAS SPRINGS

200 (7.87)	485 (19.09)	150 (33.7)	3543VH	300 (11.81)	685 (26.97)	150 (33.7)	2675NM	400 (15.75)	885 (34.84)	150 (33.7)	2694NF
		200 (44.9)	3544VC			200 (44.9)	3935LP			200 (44.9)	2695NA
		250 (56.2)	3545VY			250 (56.2)	1438EZ			250 (56.2)	1441EA
		300 (67.5)	3546VT			300 (67.5)	2677NC			300 (67.5)	2696NW
		350 (78.7)	3547VO			350 (78.7)	1652CK			350 (78.7)	2697NR
		400 (89.9)	3548VJ			400 (89.9)	753009			400 (89.9)	753092
		500 (112.4)	3549VE			500 (112.4)	2679NT			500 (112.4)	2698NM
		600 (134.9)	3551VL			600 (134.9)	2682NV			600 (134.9)	2699NH
		700 (157.4)	1442EW			700 (157.4)	753017			700 (157.4)	753106
		800 (179.9)	1443ER			800 (179.9)	2683NQ			800 (179.9)	2701NN
		900 (202.3)	1444EM			900 (202.3)	753025			900 (202.3)	753114
		1000 (224.8)	1445EH			1000 (224.8)	753033			1000 (224.8)	753122
		1150 (258.5)	2673NW			1150 (258.5)	2684NL			1150 (258.5)	3564VR
250 (9.84)	585 (2.30)	150 (33.7)	3563VW	350 (13.78)	785 (30.90)	150 (33.7)	2685NG				
		200 (44.9)	3562VA			200 (44.9)	2686NB				
		250 (56.2)	3561VF			250 (56.2)	1439EU				
		300 (67.5)	3559VZ			300 (67.5)	2687NX				
		350 (78.7)	3558VD			350 (78.7)	2688NS				
		400 (89.9)	3557VI			400 (89.9)	753041				
		500 (112.4)	3556VN			500 (112.4)	2689NN				
		600 (134.9)	3555VS			600 (134.9)	2691NU				
		700 (157.4)	1446EC			700 (157.4)	753068				
		800 (179.9)	1447EY			800 (179.9)	2692NP				
		900 (202.3)	1448ET			900 (202.3)	753076				
		1000 (224.8)	1449EO			1000 (224.8)	753084				
		1150 (258.5)	2674NR			1150 (258.5)	2693NK				

STABILUS NON-LOCKING DESIGN QUESTIONNAIRE

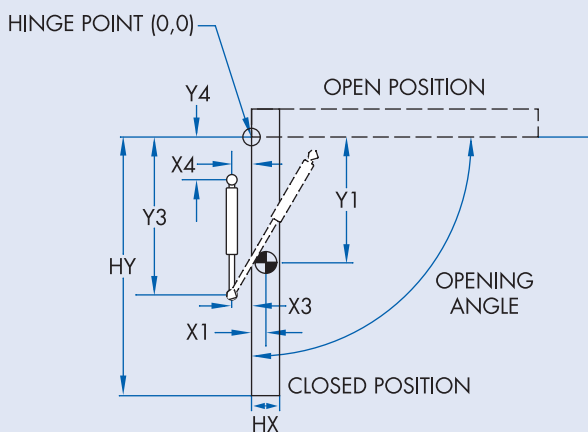
GENERAL INFORMATION

Name: _____
 Title: _____
 Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Country: _____
 Phone: _____
 Fax: _____
 Email: _____

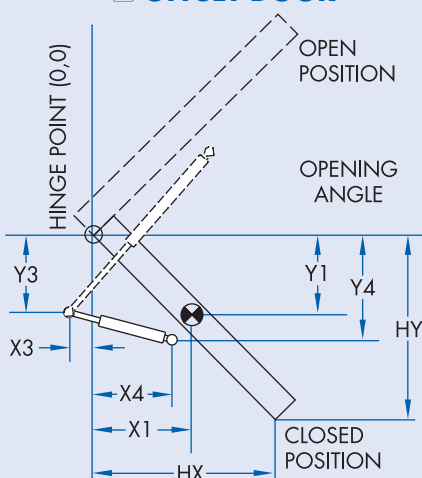
Date: _____ Request Completion Date: _____
 Type of Business: _____
 Website: _____
 Authorized to purchase components
 for manufacturing: Yes No
 Authorized to sign Purchase Order: Yes No

From the drawings, check the box in front of the example that best matches your application.

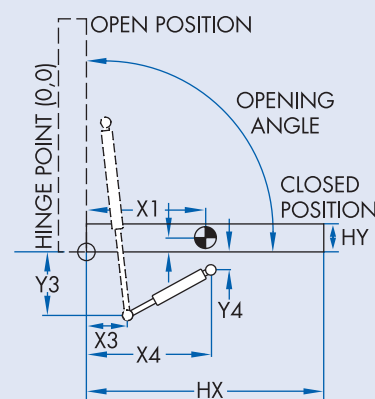
VERTICAL DOOR



OFFSET DOOR



HORIZONTAL DOOR



APPLICATION INFORMATION

Product/Project Name: _____
 Estimated Annual Unit Volume: _____
 Application Description (environment, cycle lift, etc.): _____

Desired action: Autorise Stay Down/Hold Open
 Overcenter Counterbalance

Dampening: Extension Compression Extension & Compression
 Heavy Light

Based on your selected illustration, please give the following information:

Please note dimensions are in: mm inches

Center of Gravity X1 = _____ Y1 = _____
(closed position)

Handle XH = _____ YH = _____
(closed position)

Opening Angle = _____ degrees

Weight of door = _____ lbs. kg.

Preferred Mounting Location:

Fixed X3 = _____ Y3 = _____

Moving X4 = _____ Y4 = _____

Drawings attached

Handle loads desired:

To Lift = _____ To Close = _____

Information subject to change at Stabilus' discretion.

STABILUS