



# Compression Flat Load Cell® Dimensions

All Dimensions in inches and are subject to change without notice.

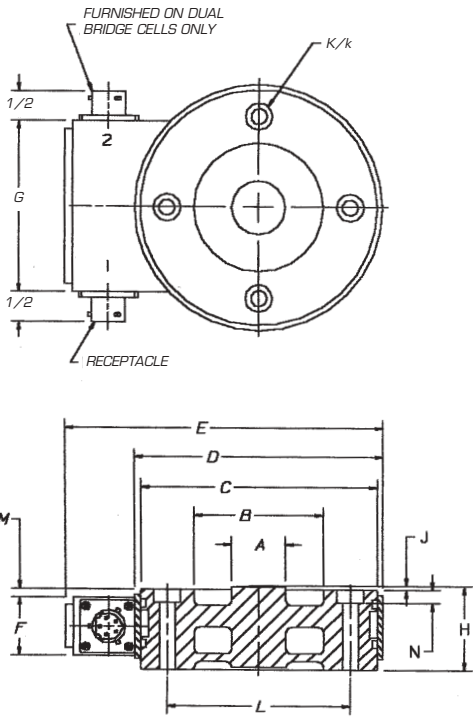
Certified Prints available on request.

CAPACITY LBS.	MODEL	A DIA.	B DIA.	C DIA.	D DIA.	E	F	G	H	J	K	k DIA.	L DIA.	M	N	LIFTING HOLES		WT. LBS.
																Threads	BC. DIA.	
‡250	FL025C(C)-2SG, -3SG FL025C(C)-2SP, -3SP	9/16	1-1/4	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1-1/16	1/16	7/32	1/8	1-13/16	1/32	1/8	NONE	NONE	0.6
‡500	FL050C(C)-2SG, -3SG FL050C(C)-2SP, -3SP	1/2	1-5/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1-1/16	1/16	7/32	1/8	1-7/8	1/32	1/8	NONE	NONE	0.6
‡1,000	FL100C(C)-2SG, -3SG FL100C(C)-2SP, -3SP	1/2	1-5/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1-1/16	1/16	7/32	1/8	1-7/8	1/32	1/8	NONE	NONE	0.6
	FL100C(C)-2DG, -3DG FL100C(C)-2DP, -3DP																	
‡2,500	FL250C(C)-2SG, -3SG FL250C(C)-2SP, -3SP	9/16	1-1/2	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1-1/16	1/16	1/4	5/32	1-7/8	1/32	5/32	NONE	NONE	0.6
	FL250C(C)-2DG, -3DG FL250C(C)-2DP, -3DP																	
5,000	FL500C(C)-2SG, -3SG FL500C(C)-2SP, -3SP	11/16	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1-1/16	1/16	1/4	5/32	1-7/8	1/32	5/32	NONE	NONE	1.2
	FL500C(C)-2DG, -3DG FL500C(C)-2DP, -3DP																	
7,500	FL750C(C)-2SG, -3SG FL750C(C)-2SP, -3SP	21/32	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1-1/16	1/16	1/4	5/32	1-7/8	1/32	5/32	NONE	NONE	1.2
	FL750C(C)-2DG, -3DG FL750C(C)-2DP, -3DP																	
10,000	FL1000C(C)-2SG, -3SG FL1000C(C)-2SP, -3SP	31/32	1-29/32	3-3/16	3-7/16	4-15/32	15/16	2-15/16	1-3/16	1/16	9/32	3/16	2-1/2	3/32	3/16	NONE	NONE	1.9
	FL1000C(C)-2DG, -3DG FL1000C(C)-2DP, -3DP																	
25,000	FL2500C(C)-2SG, -3SG FL2500C(C)-2SP, -3SP	1-1/8	2-5/8	3-7/8	4-1/8	5-5/16	1-3/8	3-3/4	1-1/2	1/16	11/32	7/32	3-1/8	3/32	3/16	NONE	NONE	4.0
	FL2500C(C)-2DG, -3DG FL2500C(C)-2DP, -3DP																	
50,000	FL5000C(C)-2SG, -3SG FL5000C(C)-2SP, -3SP	1-1/2	3-1/2	4-7/8	5-1/8	6-7/16	1-3/8	3-3/4	1-3/4	1/16	13/32	9/32	4-1/8	3/16	1/4	NONE	NONE	7.0
	FL5000C(C)-2DG, -3DG FL5000C(C)-2DP, -3DP																	
100,000	FL10000C(C)-2SG, -3SG FL10000C(C)-2SP, -3SP	2-1/16	4-15/16	6-7/8	7-1/4	8-3/4	1-1/2	3-3/4	2-1/2	1/8	1/2	11/32	5-3/4	3/16	11/32	NONE	NONE	20.9
	FL10000C(C)-2DG, -3DG FL10000C(C)-2DP, -3DP																	
150,000	FL15000C(C)-2SG, -3SG FL15000C(C)-2SP, -3SP	2-3/16	5-15/16	8-1/4	8-1/2	10-1/8	1-1/2	3-3/4	2-7/8	1/8	1/2	11/32	7	1/2	5/16	NONE	NONE	36.8
	FL15000C(C)-2DG, -3DG FL15000C(C)-2DP, -3DP																	
200,000	FL20000C(C)-2SG, -3SG FL20000C(C)-2SP, -3SP	2-5/8	6-3/8	9-1/4	9-1/2	11-1/8	1-1/2	3-3/4	3-1/2	3/16	5/8	13/32	8	9/16	3/8	NONE	NONE	53.1
	FL20000C(C)-2DG, -3DG FL20000C(C)-2DP, -3DP																	
300,000	FL30000C(C)-2SG, -3SG FL30000C(C)-2SP, -3SP	3-1/4	8-1/4	11-3/4	12-1/4	13-7/8	1-1/2	3-3/4	4-1/4	3/16	11/16	15/32	10	11/16	1/2	3/8-16 UNC	10	101.7
	FL30000C(C)-2DG, -3DG FL30000C(C)-2DP, -3DP																	
500,000	FL50000C(C)-2SG, -3SG FL50000C(C)-2SP, -3SP	4-1/8	9-7/8	14-1/2	15	16-1/2	1-1/2	3-3/4	4-1/2	1/4	11/16	15/32	12	7/8	1/2	3/8-16 UNC	12	163.5
	FL50000C(C)-2DG, -3DG FL50000C(C)-2DP, -3DP																	
1,000,000	FL100000C(C)-3SG FL100000C(C)-3DG	5-1/2	11-1/2	16-1/2	17	18-1/2	1-1/2	3-3/4	6	5/16	1-1/8	9/16*	14	1-1/8	5/8	3/8-16 UNC	14	280
1,500,000	FL150000C(C)-3SG FL150000C(C)-3DG	7	14-3/4	20-1/2	21-1/4	22-7/8	1-1/2	3-3/4	6-1/2	3/8	1-1/8	9/16*	17	2		3/4-10 UNC	17	498
2,500,000	FL250000C(C)-3SG FL250000C(C)-3DG	9	17-3/4	25-1/4	26	27-5/8	1-1/2	3-3/4	8-1/4	3/8	1-1/8	9/16*	21-3/4	2-1/2		3/4-10 UNC	21-3/4	995

‡ These load cells are of aluminum alloy construction. All others are alloy steel.

\* These load cells have 8 hold down bolt holes.

All others have 4 holes, as indicated in sketch.



U.S. Patent No. 3,365,689

**ORDERING INFORMATION**

**FL 25 C (C) - 2 S G K**

**K = Connector**  
**W = Permanently Attached Cable**

**P = Precision 0.10% F.S. Non-Linearity**  
**G = General Purpose 0.25% F.S. Non-Linearity**

**S = Single Bridge**  
**D = Dual Bridge**

**2n = 2-mv/V (Nom.)\*    2 = 2-mv/V (Standardized Output)**  
**3n = 3-mv/V (Nom.)\*    3 = 3-mv/V (Standardized Output)**

**(C) = Recessed Hold Down Bolt Holes**

**C = Compression**

**Capacity**  
**(Thousands of Pounds)**

**FL = Flat Load Cell Series®**

\* Exact output provided with calibration data.



# Universal Flat Load Cell® Dimensions

All Dimensions in inches and are subject to change without notice.

Certified Prints available on request.

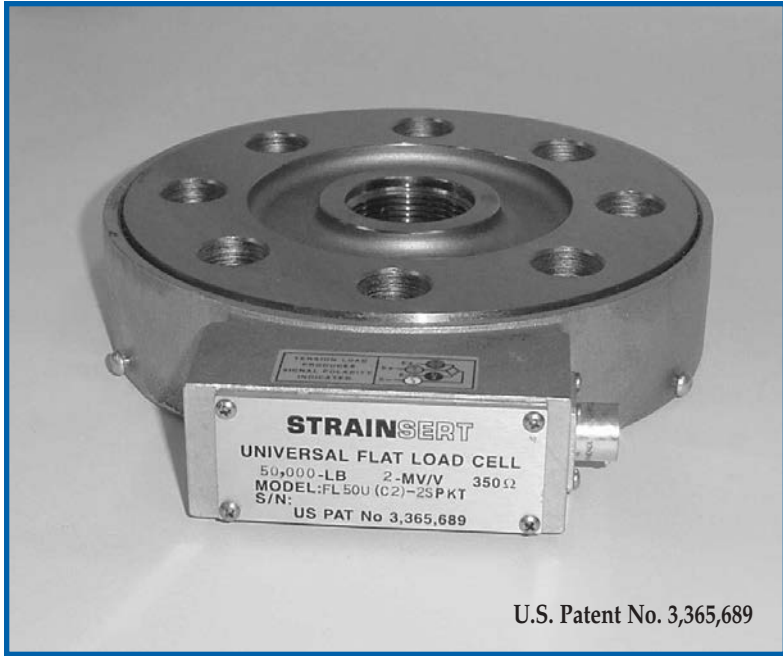
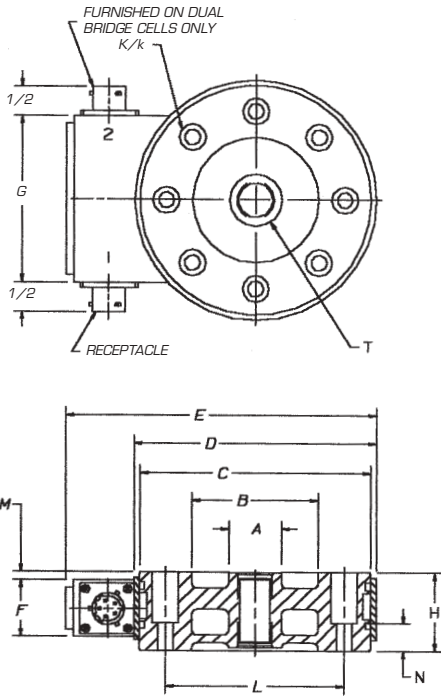
CAPACITY LBS.	MODEL	A DIA.	B DIA.	C DIA.	D DIA.	E	F	G	H	K	k DIA.	L DIA.	M	N	T	LIFTING HOLES		WT. LBS.
																Threads	BC. DIA.	
‡250	FL025U(C)-2SG,-3SG FL025U(C)-2SP,-3SP	11/16	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1	11/32	7/32	1-15/16	1/32	5/16	1/4-20UNC-2B or 9/32 D. Thru Hole	NONE	NONE	0.6
	FL05U(C)-2SG FL05U(C)-2SP																	
‡1,000	FL1U(C)-2SG,-3SG FL1U(C)-2SP,-3SP	11/16	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1	11/32	7/32	1-15/16	1/32	5/16	5/16-18UNC-2B or 11/32 D. Thru Hole	NONE	NONE	0.6
	FL1U(C)-2DG,-3DG FL1U(C)-2DP,-3DP																	
	FL2.5U(C)-2SG,-3SG FL2.5U(C)-2SP,-3SP																	
‡2,500	FL2.5U(C)-2SG,-3SG FL2.5U(C)-2SP,-3SP	11/16	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1	11/32	7/32	1-15/16	1/32	5/16	3/8-16UNC-2B or 13/32 D. Thru Hole	NONE	NONE	0.6
	FL2.5U(C)-2DG,-3DG FL2.5U(C)-2DP,-3DP																	
	FL5U(C)-2SG,-3SG FL5U(C)-2SP,-3SP																	
5,000	FL5U(C)-2SG,-3SG FL5U(C)-2SP,-3SP	21/32	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1	11/32	7/32	1-15/16	1/32	5/16	7/16-20UNF-2B or 15/32 D. Thru Hole	NONE	NONE	1.1
	FL5U(C)-2DG,-3DG FL5U(C)-2DP,-3DP																	
	FL7.5U(C)-2SG,-3SG FL7.5U(C)-2SP,-3SP																	
7,500	FL7.5U(C)-2SG,-3SG FL7.5U(C)-2SP,-3SP	21/32	1-7/16	2-1/2	2-11/16	3-23/32	15/16	2-13/16	1	11/32	7/32	1-15/16	1/32	5/16	7/16-20UNF-2B or 15/32 D. Thru Hole	NONE	NONE	1.1
	FL7.5U(C)-2DG,-3DG FL7.5U(C)-2DP,-3DP																	
	FL10U(C)-2SG,-3SG FL10U(C)-2SP,-3SP																	
10,000	FL10U(C)-2SG,-3SG FL10U(C)-2SP,-3SP	1-1/16	1-13/16	3-3/16	3-7/16	4-15/32	15/16	2-15/16	1	13/32	9/32	2-7/16	1/32	3/8	5/8-18UNF-2B or 21/32 D. Thru Hole	NONE	NONE	1.7
	FL10U(C)-2DG,-3DG FL10U(C)-2DP,-3DP																	
	FL25U(C)-2SG,-3SG FL25U(C)-2SP,-3SP																	
25,000	FL25U(C)-2SG,-3SG FL25U(C)-2SP,-3SP	1-5/8	2-27/32	4-7/8	5-1/8	6-7/16	1-3/8	3-3/4	1-1/2	41/64	13/32	3-3/4	1/16	1/2	1-14UNF-2B or 1-1/32 D. Thru Hole	NONE	NONE	5.9
	FL25U(C)-2DG,-3DG FL25U(C)-2DP,-3DP																	
	FL35U(C)-2SG,-3SG FL35U(C)-2SP,-3SP																	
35,000	FL35U(C)-2SG,-3SG FL35U(C)-2SP,-3SP	1-15/16	3-3/8	5-7/8	6-1/8	7-7/16	1-1/2	3-3/4	1-5/8	23/32	31/64	4-1/2	1/16	1/2	1-1/4-12N-2B or 1-1/4 D. Thru Hole	NONE	NONE	9.4
	FL35U(C)-2DG,-3DG FL35U(C)-2DP,-3DP																	
	FL50U(C2)-2SG,-3SG FL50U(C2)-2SP,-3SP																	
50,000	FL50U(C2)-2SG,-3SG FL50U(C2)-2SP,-3SP	2-3/16	3-7/8	6-7/8	7-1/4	8-3/4	1-1/2	3-3/4	1-3/4	25/32	17/32	5-1/4	1/8	9/16	1-1/2-12N-2B or 1-17/32 D. Thru Hole	NONE	NONE	15.1
	FL50U(C2)-2DG,-3DG FL50U(C2)-2DP,-3DP																	
	FL75U(C1)-2SG,-3SG FL75U(C1)-2SP,-3SP																	
75,000	FL75U(C1)-2SG,-3SG FL75U(C1)-2SP,-3SP	2-13/16	4-3/4	8-1/4	8-1/2	10-1/8	1-1/2	3-3/4	2-3/8	1-3/16	13/16	6-1/2	7/16	7/8	1-3/4-12N-2B or 1-25/32 D. Thru Hole	NONE	NONE	30.0
	FL75U(C1)-2DG,-3DG FL75U(C1)-2DP,-3DP																	
	FL100U(C)-2SG,-3SG FL100U(C)-2SP,-3SP																	
100,000	FL100U(C)-2SG,-3SG FL100U(C)-2SP,-3SP	3-3/8	5-5/8	9-1/4	9-1/2	11-1/8	1-1/2	3-3/4	2-3/4	1-3/16	13/16	7-1/4	7/16	7/8	2-12N-2B or 2 D. Thru Hole	NONE	NONE	41.8
	FL100U(C)-2DG,-3DG FL100U(C)-2DP,-3DP																	
	FL150U(C)-2SG,-3SG FL150U(C)-2SP,-3SP																	
150,000	FL150U(C)-2SG,-3SG FL150U(C)-2SP,-3SP	4-3/8	7	10-3/4	11-1/8	12-11/16	1-1/2	3-3/4	3-1/2	1-3/16	13/16*	8-3/4	9/16	1-1/8	2-3/8-12N-2B or 2-13/32 D. Thru Hole	3/8-16 UNC	3-1/8	59.5
	FL150U(C)-2DG,-3DG FL150U(C)-2DP,-3DP																	
	FL200U(C)-2SG,-3SG FL200U(C)-2SP,-3SP																	
200,000	FL200U(C)-2SG,-3SG FL200U(C)-2SP,-3SP	4-3/8	7-3/4	11-3/4	12-1/4	13-7/8	1-1/2	3-3/4	4	1-3/16	13/16*	9-3/4	11/16	1-1/4	2-3/8-12N-2B or 2-13/32 D. Thru Hole	3/8-16 UNC	3-1/2	89.9
	FL200U(C)-2DG,-3DG FL200U(C)-2DP,-3DP																	
	FL300U(C)-2SG,-3SG FL300U(C)-2SP,-3SP																	
300,000	FL300U(C)-2SG,-3SG FL300U(C)-2SP,-3SP	5	9-1/4	14-1/2	15	16-1/2	1-1/2	3-3/4	4	1-5/8	1-1/16*	11-3/4	11/16	1-3/4	3-12N-2B or 3-1/32 D. Thru Hole	3/8-16 UNC	4-1/8	137.3
	FL300U(C)-2DG,-3DG FL300U(C)-2DP,-3DP																	
	FL400U(C)-2SG,-3SG FL400U(C)-2SP,-3SP																	
400,000	FL400U(C)-2SG,-3SG FL400U(C)-2SP,-3SP	5-5/8	10-5/8	16-1/2	17	18-1/2	1-1/2	3-3/4	4-1/2	1-13/16	1-7/32*	13-1/2	7/8	1-3/8	3-1/2-8N-2B or 3-9/16 D. Thru Hole	3/8-16 UNC	4-1/8	201
	FL400U(C)-2DG,-3DG FL400U(C)-2DP,-3DP																	
	FL1000U-2-1/2SG FL1000U-2-1/2DG																	
1,000,000	FL1000U-2-1/2SG FL1000U-2-1/2DG	8-3/4	14	20-1/2	21-1/4	23	1-1/2	3-3/4	6		1-5/16†	17	1-1/2	6-8 UN-2B	3/8-16 UNC	7-3/8	435	
2,000,000	FL2000U-2-1/2SG FL2000U-2-1/2DG	11-3/8	18-1/8	25-1/4	26	27-5/8	1-1/2	3-3/4	7-1/2		1-9/16†	21-3/4	1-7/8	8-8UN-2B	1/2-13 UNC	23-3/4	725	

‡ These load cells are of aluminum alloy construction. All others are alloy steel.

\* These load cells have 16 hold down bolt holes.

† These load cells have 24 hold down bolt holes.

All others have 8 holes, as indicated in sketch.



**ORDERING INFORMATION**

**FL 25 U (C) - 2 S G K T**

*T = Threaded Loading Hole  
B = Thru Hole*

*K = Connector  
W = Permanently Attached Cable*

*P = Precision 0.10% F.S. Non-Linearity  
G = General Purpose 0.25% F.S. Non-Linearity*

*S = Single Bridge  
D = Dual Bridge*

*2n = 2-mv/V (Nom.)\*    2 = 2-mv/V (Standardized Output)  
3n = 3-mv/V (Nom.)\*    3 = 3-mv/V (Standardized Output)*

*(C) = Recessed Hold Down Bolt Holes*

*U = Universal*

*Capacity  
(Thousands of Pounds)*

*FL = Flat Load Cell Series®*

\* Exact output provided with calibration data.