

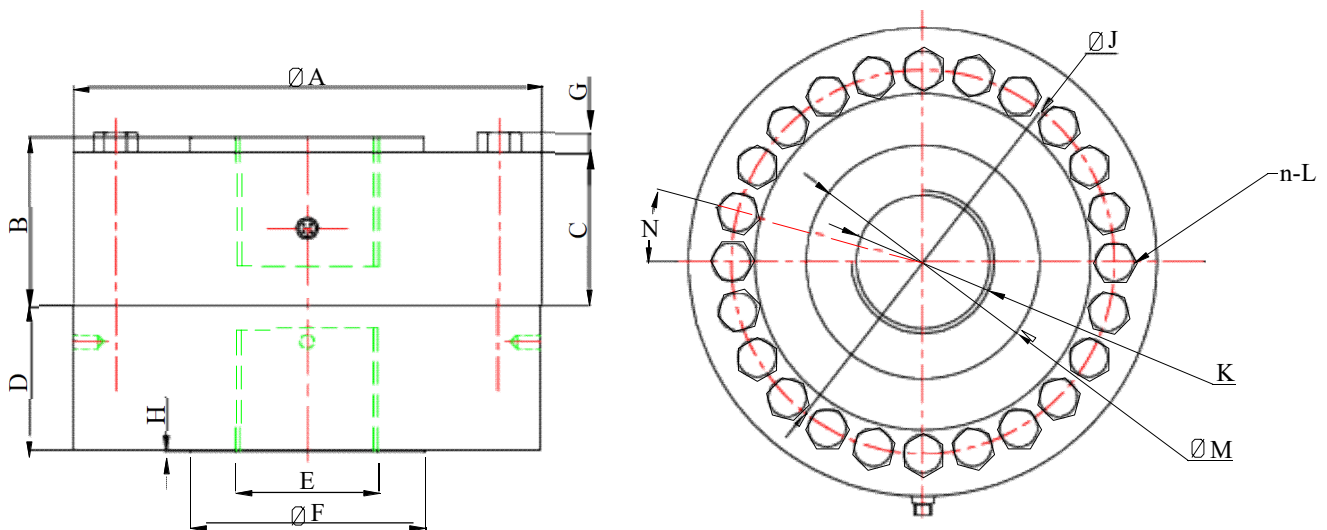
# LFC Sensor



## DESCRIPTION

Wheel shaped load cell, shear beam, good rigidity, strong side force resistance, high output, overload self-locking. Potted sealed or hermetically sealed. Widely used in truck scale, railroad scale, tester, crane scale, etc.

## OUTLINE DIMENSIONS in millimeters (mm)



Capacity (kN)	Size mm									
	ΦA	B	C	D	E	ΦF	G	H	ΦJ	K
900	279	88.9	76.2	76.2	M72×2-4H×69.8	114.3	12.7	0.8	228.6	M72×2-4H×82.6
1200	279	101.6	82	101.6	M72×2-4H×69.8	114.3	12.7	0.8	222.2	M72×2-4H×95.3
1800	304.8	114.3	108	114.3	M90×3-4H×95.3	152.4	15	0.8	241.3	M90×3-4H×95.3
2700	393.7	139.7	127	127	M120×4-4H×108	196.9	17.5	0.8	322.1	M120×4-4H×108
4500	520.7	158.8	152.4	177.8	M150×4-4H×162	267.9	25.4	0.8	419.1	M150×4-4H×130
9000	660.4	196.9	190.5	228.6	M200×4-4H×184	355.6	31.3	2.5	520.7	M200×4-4H×178
Capacity (kN)	Size mm			N						
	n-L	ΦM								
900	16×15.5	122.2		11.25°						
1200	16×20.1	122.2		11.25°						
1800	20×20.1	144.3		9°						
2700	24×23.9	196.3		7.5°						
4500	28×27	267.9		6.43°						
9000	32×33.3	350.3		5.63°						

Capacity (klb)	Size inch										
	ΦA	B	C	D	E	ΦF	G	H	ΦJ	K	
200	11	3.5	3	3	2-3/4-8UNF-3B×2.75	4.5	0.5	0.03	9	2-3/4-8UNF-3B×3.25	
270	11	4	3.25	4	2-3/4-8UNF-3B×2.75	4.5	0.5	0.03	8.75	2-3/4-8UNF-3B×3.75	
400	12	4.5	4.25	4.5	3-1/2-8UNF-3B×3.75	6	0.59	0.03	9.5	3-1/2-8UNF-3B×3.75	
600	15.5	5.5	5	5	4-1/4-8UNF-3B×4.25	7.75	0.69	0.03	12.68	4-1/4-8UNF-3B×4.25	
1000	20.5	6.25	6	7	6-8UNF-3B×6.38	10.55	1	0.03	16.5	6-8UNF-3B×5.63	
2000	26	7.75	7.5	9	8-8UNF-3B×7.25	14	1.25	0.1	20.5	8-8UNF-3B×7	
Capacity (klb)	Size inch										
	n-L	ΦM	N								
	16×0.65	4.81	11.25 °								
	16×0.79	4.81	11.25 °								
	20×0.79	5.68	9 °								
	24×0.94	7.73	7.5 °								
	28×1.06	10.55	6.43 °								
	32×1.31	13.79	5.63 °								

## SPECIFICATIONS

<b>Capacity</b>	<b>kN klb</b>	<b>900, 1200, 1800, 2700, 4500, 9000 200, 270, 400, 600, 1000, 2000</b>
<b>Rated output</b>	<b>mv/v</b>	<b>4.0±0.1% / 2.0±0.1%</b>
<b>Non-linearity</b>	<b>%F.S</b>	<b>0.07 (200klb/900kN) 0.08 (270klb/1200kN) 0.12 (400-600klb/1800-2700kN) 0.15 (1000klb/4500kN) 0.20 (2000klb/9000Kn)</b>
<b>Hysteresis</b>	<b>%F.S</b>	<b>0.07 (200klb/900kN) 0.08 (270klb/1200kN) 0.12 (400-600klb/1800-2700kN) 0.15 (1000klb/4500kN) 0.20 (2000klb/9000Kn)</b>
<b>Creep in 30 minutes</b>	<b>%F.S</b>	<b>0.07 (200klb/900kN) 0.08 (270klb/1200kN) 0.12 (400-600klb/1800-2700kN) 0.15 (1000klb/4500kN) 0.20 (2000klb/9000Kn)</b>
<b>Zero balance</b>	<b>%F.S</b>	<b>±1</b>
<b>Input resistance</b>	<b>Ω</b>	<b>385±15</b>
<b>Output resistance</b>	<b>Ω</b>	<b>350±3</b>
<b>Insulation resistance</b>	<b>MΩ</b>	<b>≥5000</b>
<b>Excitation voltage</b>	<b>V</b>	<b>10V (maximum 15V) AC/DC</b>
<b>Environmental protection</b>		<b>IP67</b>
<b>Safe overload</b>	<b>%F.S</b>	<b>150</b>
<b>Ultimate overload</b>	<b>%F.S</b>	<b>300</b>
<b>Operating temperature range</b>	<b>℃</b>	<b>-10~+40</b>
<b>Material</b>		<b>Alloy steel &amp; Stainless steel</b>
<b>Cable Length</b>	<b>m</b>	<b>9</b>

## Wiring Schematic Diagram

