

# LOAD BOLTS FOR AXIAL STATIC TENSION LOADS

**LCS Series**  
0-2000 lb to 0-39,000 lb

Starts at  
**\$335**



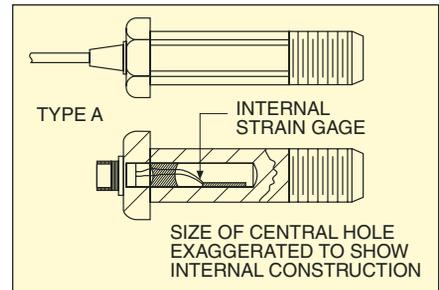
- ✓ NIST Calibration Certificate Included
- ✓ Full Wheatstone Bridge Configuration
- ✓ Bolt Diameter from 1/4 to 1"
- ✓ Accuracy of 0.60% FS

OMEGA's LCS Series load bolts offer a unique alternative to conventional load cells. The required mounting configuration makes them ideal for studding joint forces, separations, and design.

## SPECIFICATIONS

**Rated Output:** 1 to 2 mV/V  
**Excitation:** 10 Vdc, 15 Vdc maximum  
**Accuracy:** ±0.60% FS  
**Linearity:** ±0.50% FS  
**Hysteresis:** ±0.25% FS  
**Repeatability:** ±0.10% FS  
**Zero Balance:** ±5% FS  
**Creep:** ±0.03% (in 20 min)  
**Operating Temperature:** 10 to 66°C (50 to 150°F)  
**Bridge Resistance:** 350 Ω  
**Construction:** Grade 8 bolt

LCS-1/2-2L, \$335, with DP41-S meter, \$545, shown smaller than actual size. See page D-29 for details.



**Electrical:** Insulated with polyvinyl over stainless steel overbraid; 9 conductor, 30 AWG

**Thread Length:** 2 x (bolt Dia.) + 1/4"

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

MODEL NO.	PRICE	BOLT SIZE UNC	CAPACITY		AVAILABLE LENGTHS*	COMPATIBLE METERS*
			lb	kg		
LCS-1/4-[*]L	\$335	1/4-20 UNC	2070	939	1 1/4" or 2"	DP41-S, DP41-B, DP25B-S
LCS-5/16-[*]L	335	5/16-18 UNC	3410	1547	1 1/4" or 2"	DP41-S, DP41-B, DP25B-S
LCS-3/8-[*]L	335	3/8-16 UNC	5040	2286	1 1/4" or 2"	DP41-S, DP41-B, DP25B-S
LCS-7/16-[*]L	335	7/16-14 UNC	6910	3135	1 1/4" or 2"	DP41-S, DP41-B, DP25B-S
LCS-1/2-[*]L	335	1/2-13 UNC	9220	4183	1 1/4" or 2"	DP41-S, DP41-B, DP25B-S
LCS-9/16-[*]L	335	9/16-12 UNC	11,800	5353	1 1/4" or 2"	DP41-S, DP41-B, DP25B-S
LCS-5/8-[*]L	335	5/8-11 UNC	14,700	6669	2 1/2" or 6"	DP41-S, DP41-B, DP25B-S
LCS-3/4-[*]L	340	3/4-10 UNC	21,700	9845	2 1/2" or 6"	DP41-S, DP41-B, DP25B-S
LCS-7/8-[*]L	375	7/8-9 UNC	30,000	13,611	3 1/2" or 6"	DP41-S, DP41-B, DP25B-S
LCS-1-[*]L	365	1-8 UNC	39,400	17,876	3 1/2" or 6"	DP41-S, DP41-B, DP25B-S

[\*] Insert available length from chart.

Ordering Example: LCS-3/8-2L, 3/8-16 UNC bolt load cell, 2" long, \$335.

\* See section D for compatible meters.

## ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure



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