LOAD BOLTS FOR AXIAL STATIC TENSION LOADS

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

Starts at **$335**

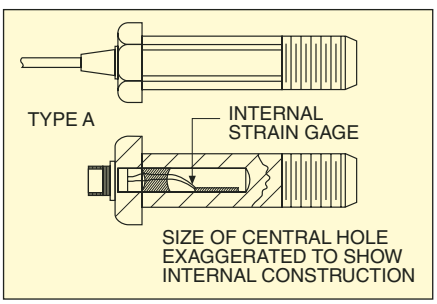
LCS-1/2-2L, $335, with DP41-S meter, $545, shown smaller than actual size. See page D-29 for details.

- **NIST Calibration Certificate Included**
- **Full Wheatstone Bridge Configuration**
- **Bolt Diameter from ¼ 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



Electrical: Insulated with polyvinyl over stainless steel overbraid; 9 conductor, 30 AWG
Thread Length: 2 x (bolt Dia.) + ¼"

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

MODEL NO.	PRICE	BOLT SIZE UNC	CAPACITY lb	CAPACITY kg	AVAILABLE LENGTHS*	COMPATIBLE METERS*
LCS-¼-[*]L	$335	¼-20 UNC	2070	939	1¼" or 2"	DP41-S, DP41-B, DP25B-S
LCS-5⁄16-[*]L	335	5⁄16-18 UNC	3410	1547	1¼" or 2"	DP41-S, DP41-B, DP25B-S
LCS-⅜-[*]L	335	⅜-16 UNC	5040	2286	1¼" or 2"	DP41-S, DP41-B, DP25B-S
LCS-7⁄16-[*]L	335	7⁄16-14 UNC	6910	3135	1¼" or 2"	DP41-S, DP41-B, DP25B-S
LCS-½-[*]L	335	½-13 UNC	9220	4183	1¼" or 2"	DP41-S, DP41-B, DP25B-S
LCS-9⁄16-[*]L	335	9⁄16-12 UNC	11,800	5353	1¼" or 2"	DP41-S, DP41-B, DP25B-S
LCS-⅝-[*]L	335	⅝-11 UNC	14,700	6669	2½" or 6"	DP41-S, DP41-B, DP25B-S
LCS-¾-[*]L	340	¾-10 UNC	21,700	9845	2½" or 6"	DP41-S, DP41-B, DP25B-S
LCS-⅞-[*]L	375	⅞-9 UNC	30,000	13,611	3½" or 6"	DP41-S, DP41-B, DP25B-S
LCS-1-[*]L	365	1-8 UNC	39,400	17,876	3½" or 6"	DP41-S, DP41-B, DP25B-S

[*] Insert available length from chart. ** See section D for compatible meters.*
Ordering Example: LCS-⅜-2L,** ⅜-16 UNC bolt load cell, 2" long, **$335.

ACCESSORY

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

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• Flow and Level

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• Heaters

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