

TYPE: TELSHACK-B



TELSHACK-B Wireless Crosby™ Bow Load Shackle

Description

The TELSHACK-B range of telemetry load shackles are manufactured using the Crosby™ G2130 (12 to 25 tonne) and G2140 (40 to 400 tonne) shackles. Versions are also available using the popular GreenPin™ range of shackles. The build in radio telemetry electronics operates on the 2.4GHz license free frequency.

The telemetry housing is manufactured from stainless steel, offering a robust solution. Located in the housing are two AAA NiMh batteries, which can be accessed by removing the telemetry housing cover. No tools are required, making it easy to do on site. The batteries can be recharged using the universal charger supplied. In emergencies (when you do not have time to recharge the batteries), standard alkaline batteries can also be used.

There is an external sealed aerial, which can be rotated to offer the best signal polarity and hence the best transmission range, making it more versatile for different applications. The TELSHACK-B is also supplied as standard with a handheld battery powered display, or alternatively, for multi-shackle applications, a single display can address up to 12 shackles for individual monitoring, or for summation/balancing applications.

LCM Systems can also supply more complex telemetry systems. For further information on what we can offer, please contact our technical department with details of your application requirements.

Specification

Rated load (tonnes)	12, 17, 25, 40, 55, 85, 120, 150, 200, 300, 400
Proof load	150% of rated load
Ultimate breaking load	300% of rated load
Non-linearity	<±1.0% of rated load (typically)
Non-repeatability	<±0.1% of rated load
Transmission distance	Up to 120 metres (clear line of sight)
Battery life	200 hours typically (continuous use)
Battery	Internal rechargeable NiMh
Battery charging	Batteries can be removed from case for recharging
Operating temperature range	-20 to +60°C
Environmental protection level	IP67

Available Options

- Special ranges and capacities up to 2000te
- Integral signal conditioning
- Centralising load bobbin
- Special telemetry systems available
- Lloyds, ABS or DNV witness testing

Features

- Ranges from 1 to 400 tonnes
- High tensile carbon steel construction
- Environmentally sealed to IP67
- Simple installation and operation
- Shackle and load pin fully certified
- Optional load centralising bobbin
- Can be supplied with amplified output
- Many other options available

Typical Applications

- Under-hook hoist/crane weighing
- Cable tension monitoring
- Towing/mooring Tension
- Crane safe load monitoring
- Beam proof loading

AVAILABLE TO BUY ONLINE

Visit our website www.lcmsystems.com
(In-stock items usually ship within 48 hours)

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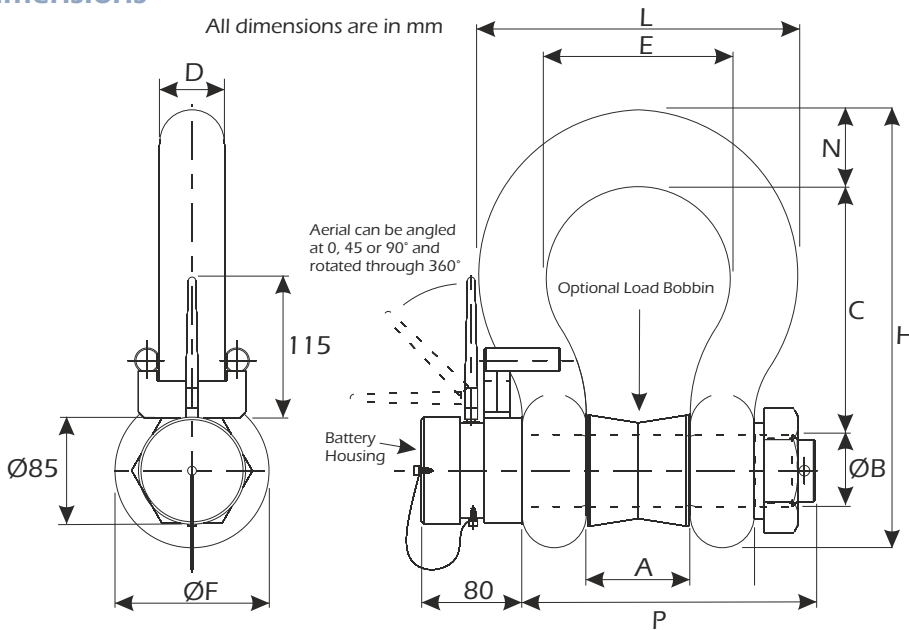
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Special Options

Special ranges	The TELSACK-B can be supplied in any range, between 12te and 400te and calibrated as required. Usually we will choose the nearest standard shackle size. We can also offer special design shackles up to 2000te. Please contact our design team for more details.
Centralising bobbin	We can offer an optional centralising bobbin. This helps improve the overall load cell accuracy in certain cable tension applications. The bobbin is shown pictorially in the drawing below.
Multi-shackle systems	It is possible with the standard handheld telemetry display to use up to 12 shackles with a single handheld. Each shackle is paired with the handheld and can be used to view individual load cells or summated load cells. These values can be sent to a printer or a PC.



Dimensions



Rating (tonnes)	A	ØB	C	D	E	ØF	H	L	N	P	Weight (kgs)	Resolution (tonnes)
12	51.5	35.1	119	31.8	82.5	76	210	146	35.1	171	8	0.01
17	60.5	41.4	146	38.1	98.5	92	254	175	41.1	201	12	0.02
25	73	51	178	44.5	127	106	313	225	57	236	18	0.02
40	73.2	50.8	178	46.7	127	106	313	224	57.2	236	18	0.05
55	82.6	57.2	197	52.8	146	122	347	258	61	269	25	0.05
85	105	69.9	267	68.8	184	148	455	324	79.2	351	45	0.1
120	127	82.6	330	79.2	200	165	546	371	92.2	387	85	0.1
150	133	95.3	372	95.3	229	203	632	432	105	448	125	0.1
200	184	121	386	95.3	279	267	706	529	127	580	215	0.2
300	213	152	470	127	330	330	871	629	154	610	364	0.2
400	225	175	680	165	325	350	1078	655	165	700	560	0.5

Due to continual product development, LCM Systems Ltd reserves the right to alter product specifications without prior notice.

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APPROVED

(unapproved if printed)