TYPE: TELSHACK-D

TELSHACK-D Wireless Crosby™ D Load Shackle

Features

- Ranges from 12 to 35 tonnes
- High tensile carbon steel construction
- Environmentally sealed to IP67
- Simple installation and operation
- Shackle and load pin fully certified
- Optional load centralisng 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

Description

The TELSHACK-D range of telemetry load shackles are manufactured using the Crosby™ G2150 shackles. Versions are also available using the popular GreenPin™ range of shackles. The built in radio telemetry electronics operates on the 2.4GHz license free frequency.

The unique telemetry housing is manufactured from tough high performance polyamide resin making it strong yet light, resulting in a better balanced load shackle when compared to others available on the market. Two clips enable you to open the housing to access and change the two AAA lithium batteries, while the internal electronics underneath remain completely sealed. This includes the antenna to ensure maximum protection from damage.

The TELSHACK-D is also supplied as standard with a handheld battery powered display which can toggle between tonnes or lbs, 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, 35
Proof load	150% of rated load
Ultimate breaking load	300% of rated load
Non-linearity	<±1% of rated load (typically)
Non-repeatablity	<±0.1% of rated load
Transmission distance	Up to 600 metres (clear line of sight)
Battery life	>300 hours (continuous use, with 1.2Ah batteries)
Battery	AAA Alkaline x 2 (supplied with 1.2Ah batteries)
Operating temperature range	-20 to +55˚C
Environmental protection level	IP67
Telemetry housing	Polyamide resin

Available Options

- Special ranges available
- Integral signal conditioning
- Centralising load bobbin
- Lloyds, ABS or DNV witness testing
- Special telemetry systems available

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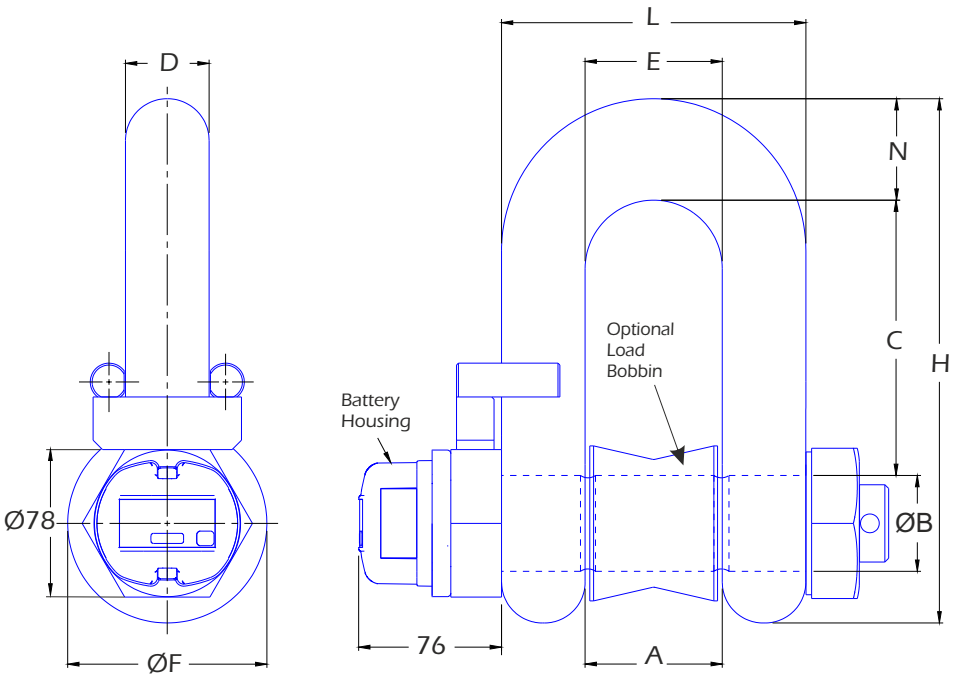
LCM SYSTEMS
Solutions in Load Cell Technology

TELSHACK-D Wireless Crosby™ D Load Shackle

Special Options

Special ranges	The TELSHACK-D can be supplied in any range, between 12te and 35te 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	Weight (kgs)	Resolution (tonnes)
12	51.5	35.1	100	31.8	51.5	76	191	115	35.1	6.5	0.01
17	60.5	41.4	122	38.1	60.5	92	230	137	41.1	11	0.02
25	73	51	146	44.5	73	106	279	162	54	17	0.02
35	82.5	57	172	51	82.5	122	312	184	60	23	0.05

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Issue No. 3
Issue date: 07/11/2016
APPROVED
(unapproved if printed)