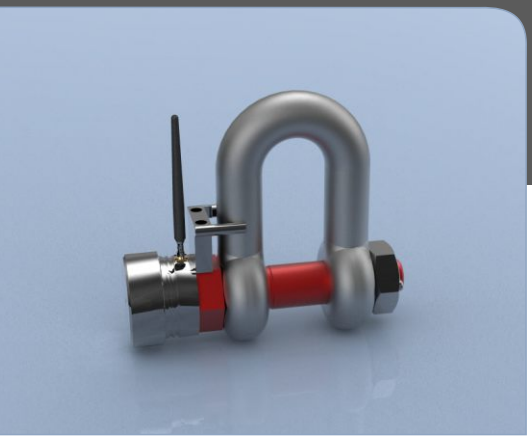
TYPE: TELSHACK-D



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 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-D 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, 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 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 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

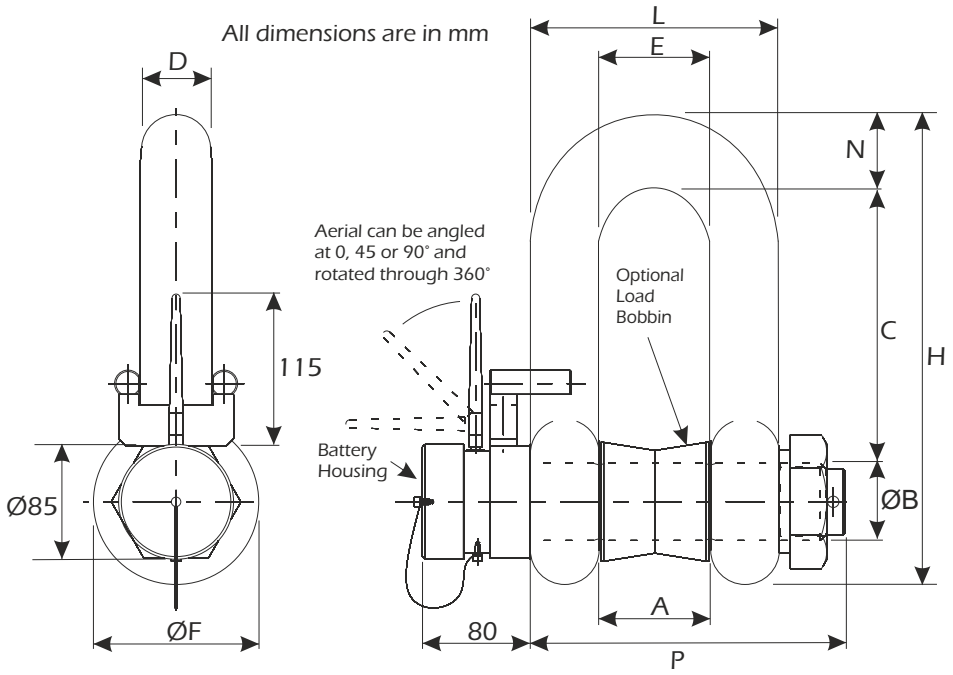
TELSHACK-D Wireless Crosby™ D Load Shackle



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	P	Weight (kgs)	Resolution (tonnes)
12	51.5	35.1	100	35.1	51.5	76	191	115	35.1	165	6.5	0.01
17	60.5	41.4	122	41.1	60.5	92	230	137	41.1	196	11	0.02
25	73	51	146	44.5	73	106	279	162	54	230	17	0.02
35	82.5	57	172	51	82.5	122	312	184	60	264	23	0.05

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

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