

WIRELESS LOAD SHACKLE



- RATED LOAD 9000 KG
- RADIO 2.4 GHZ
- SAFETY FACTOR 5:1
- FULLY WEATHERISED · IP67



RATED LOAD (SWL)

kg	t	kN	Safety factor
9000	9	90	5:1

Rated load = safe working load (SWL). Factory calibrated; accuracy with original bobbin typically ±1 % of load or ±50 kg, whichever is greater.



OVERVIEW

A wireless load shackle: 9000 kg rated load, readings by 2.4 GHz radio, factory calibrated.

Fully weatherised to IP67, with a 5:1 safety factor and a rigging profile of less than 100 mm. Zero trim shackle, anti-rotational bracket, units kg, lbs, tonnes, ton, ton (US) or kN.

9000 kg rated load (SWL)	< 100 mm rigging profile	5:1 safety factor	±1 % of load, min. ±50 kg
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LOAD SHACKLE
rated load 9000 kg, safety factor 5:1
factory calibrated, zero trim
load centralising bobbin, anti-rotational bracket
rigging profile below 100 mm, IP67

WIRELESS TRANSMISSION
2.4 GHz radio
comfortable in challenging RF environments
2 × AA lithium, up to 2.8 years at 2 h/day
units kg, lbs, tonnes, ton, ton (US), kN



TECHNICAL DATA

MEASUREMENT

Weight range (SWL)	9000 kg
Accuracy, original bobbin	typically ± 1 % of load or ± 50 kg, whichever is greater
Accuracy, non-original bobbin	typically ± 2 % of load or ± 70 kg, whichever is greater
Calibration	factory calibrated
Zero	zero trim shackle
Units	kg, lbs, tonnes, ton, ton (US), kN

ELECTRONICS

Condition	1000 Ω bridge, 2.5 mV/V, 3 V, 25 °C
Offset temperature stability	typ. 1, max. 4 ppm/°C
Gain temperature stability	typ. 3, max. 5 ppm/°C
Offset stability with time	typ. 20, max. 80 ppm of FR
Gain stability with time	max. 30 ppm of FR
Internal resolution	16,000,000 / 24 bits
Noise free (5 ms)	50,000 / 15.5 bits

MECHANICAL PROPERTIES

Type	bow shackle with load pin
Load centering	load centralising bobbin, standard
Anti-rotation	anti-rotational bracket
Rigging profile	< 100 mm
Dimensions	174 × 174 × 56 mm

MECHANICAL LIMITS

Safe working load	9000 kg
Safety factor	5:1

WIRELESS TRANSMISSION

Radio frequency	2.4 GHz
Receivers	choice of receivers; on a PC a base station and free software
Matching (octogon)	EFME USB base station · EFMD handheld

POWER SUPPLY

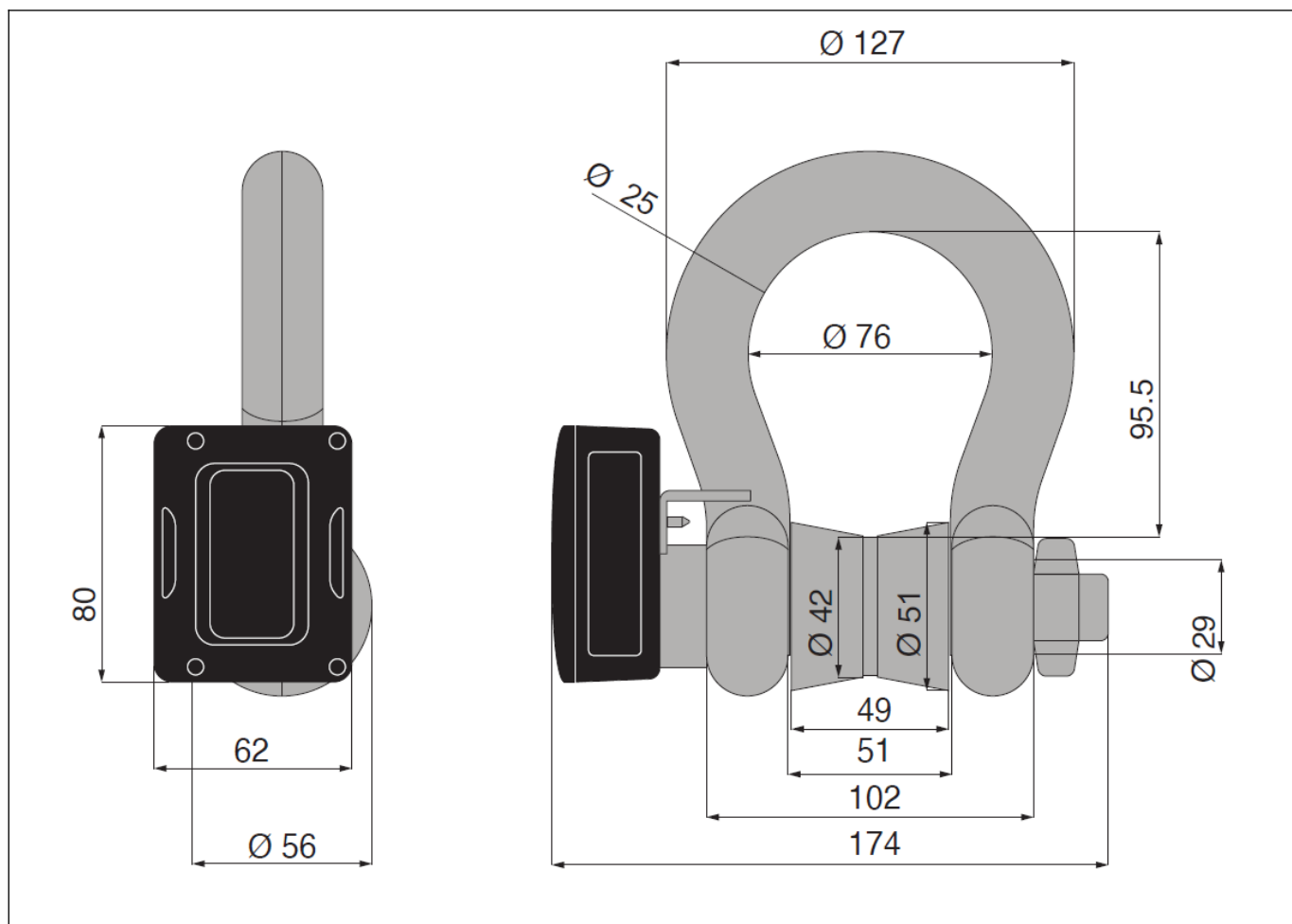
Batteries	2 × AA, Energizer L91
Life at 1 update/s	estimated, when awake
Sleep	2.5+ years
Continuous operation	3.5 months
8 hours per day	10 months
4 hours per day	1.5 years
2 hours per day	2.8 years

ENVIRONMENTAL

Operating temperature	-20 ... +55 °C
Storage temperature (no batteries)	-40 ... +85 °C
Humidity (excl. batteries)	max. 95 %RH
Protection	IP67, fully weatherised



DIMENSIONS (mm)



Dimensions in mm (manufacturer drawing). Pin and bow are calibrated together and must be kept as a pair; use only with bobbin, nut and retaining clip, load perpendicular to the pin and centralised on the bobbin.

COMPLIANCE AND CERTIFICATION

Protection Rating IP67

