

TELEMETRY LOAD SHACKLE



- RATED LOAD 6.5 ... 2000 T
- RADIO 2.4 GHZ · UP TO 200 M
- BATTERY UP TO 200 H
- STAINLESS STEEL · IP67



IP67



Stainless
Steel



2,4 GHz

NOMINAL LOAD (FS)

t	kN	Safe overload (t)	Ultimate overload (t)
6.5	65	9.75	26
12	120	18	48
25	250	37.5	100
35	350	52.5	140
42.5	425	63.75	170
55	550	82.5	220
85	850	127.5	340
120	1 200	180	480
150	1 500	225	600
200	2 000	300	800
250	2 500	375	1 000

Safe overload 150 %, ultimate overload 400 % of the rated load. Other capacities up to 2000 t on request.



OVERVIEW

A load shackle with radio transmission: capacities from 6.5 t to 2000 t, readings by 2.4 GHz radio up to 200 m, battery life up to 200 h.

Robust stainless steel construction, sealed to IP67, with load centering bobbin. An active repeater extends the transmission range; the shackle can be switched on and off remotely and powers down automatically. Linearisation is done in 10 steps.

6.5 ... 2000 t

capacities

200 m

radio range, 2.4 GHz

200 h

battery life

< 0.5 %

accuracy

LOAD SHACKLE

- capacities from 6.5 t to 2000 t
- safe overload 150 %, ultimate overload 400 %
- robust stainless steel construction, IP67
- with load centering bobbin

RADIO TRANSMISSION

- 2.4 GHz radio, up to 200 m
- active repeater to extend the range
- remote on/off, auto power down
- battery life up to 200 h



TECHNICAL DATA

MEASUREMENT

Capacities	6.5 ... 2000 t
Input resistance	1 070 Ω
Output resistance	1 000 Ω
Insulation resistance	> 500 M Ω at 100 VDC

PRECISION

Accuracy	< 0.5 %
Temperature effect on zero	< 0.005 % FRO / °C
Temperature effect on span	< 0.003 % FRO / °C
Linearisation	10 steps
Compensated temperature range	-10 ... +40 °C
Operating temperature range	-20 ... +60 °C

MECHANICAL PROPERTIES

Type	load shackle
Material	robust stainless steel construction
Load centering	load centering bobbin

MECHANICAL LIMITS

Safe overload	150 %
Ultimate overload	400 %

RADIO TRANSMISSION

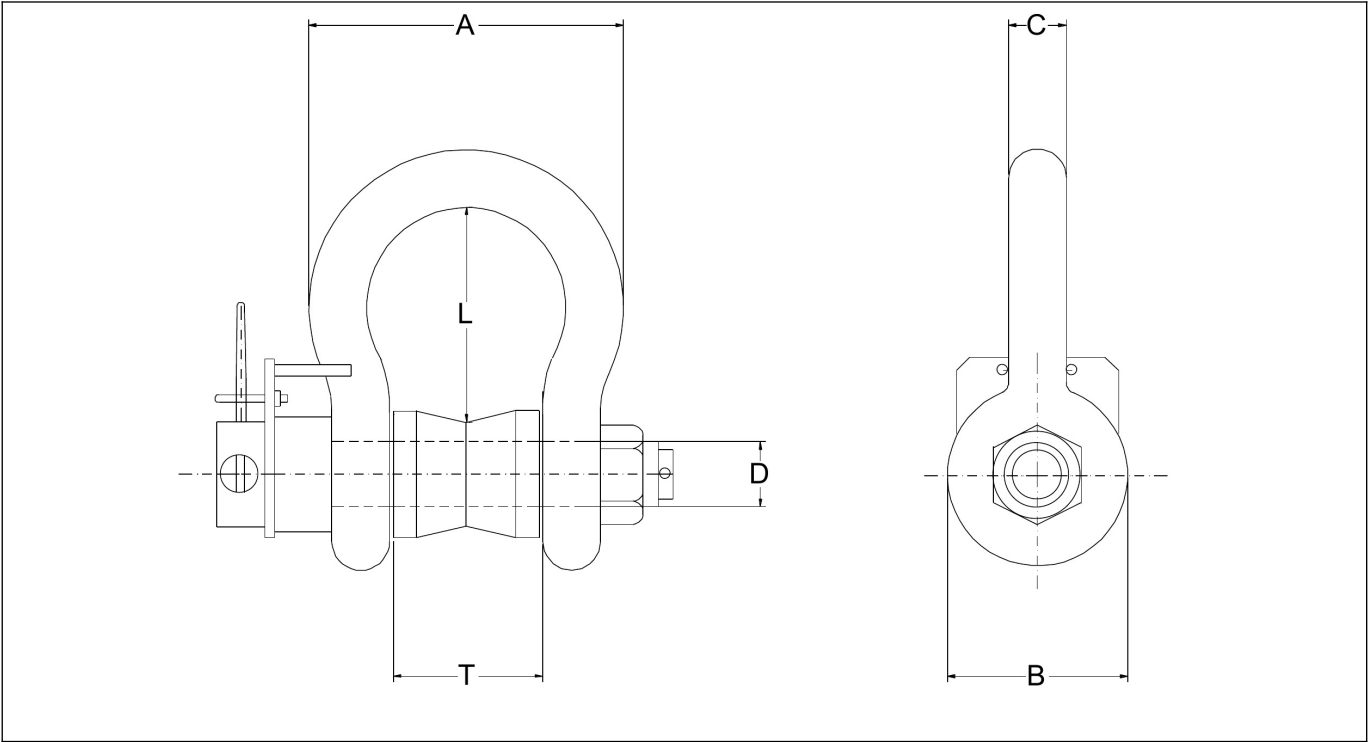
Radio frequency	2.4 GHz
Transmission distance	up to 200 m
Repeater	active, extends the transmission range
Special functions	remote on/off · auto power down

POWER SUPPLY

Battery life	up to 200 h
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DIMENSIONS (mm)



Dimensions in mm; the letters refer to the drawing.

DIMENSION TABLE (mm)

Capacity (t)	A	B	C	D	L	T
6.5	100	54	22	25.4	84	38
12	146	76	32	35	119	50
25	171	106	45	50	146	73
35	197	127	51	57	187	83
42.5	274	130	57	65	222	95
55	311	142	68	70	267	105
85	340	162	75	83	329	127
120	420	203	92	95	350	130
150	460	229	100	108	371	140
200	533	267	114	121	397	184
250	625	305	115	127	508	215

Dimensions of other capacities on request.

COMPLIANCE AND CERTIFICATION

Protection Rating IP67

