



Strength to get the job done

Hazardous Area Load Links

Safe, accurate and reliable tensile monitoring with ATEX and IECEx Approvals



Options



Wireless & Internal Antenna



Matched Telemetry Displays



Rent this item



Data Logging Software Available



ATEX version

Suitable for Zone 1 and 2 Hazardous areas for Oil and Gas sectors.

Due to the robust, lightweight high tensile aluminium design these load links are ideal for mobile applications both onshore and offshore.

Displays & Portable Case

Rugged case design with foam compartments to firmly hold the load link, telemetry display, spare set of batteries. Can also accommodate connecting cable for wired units and matched set of shackles.

- Lockable case
- Plastic case available for 6.5Te - 85Te
- Custom transport case 100Te - 500Te

Load Cell Data Logging

LMS-LOG100 Advanced data logging software provides real time monitoring of up to 100 load cell devices simultaneously.

Remotely access your data quickly and easily from a computer, tablet & smart phone via web browser. Export data in standard JSON or CSV formats with customizable reporting to suit your needs.

Please note that the logging is required to be positioned within the safe area whilst being used and transmitted from the loadcell



Features

- Load link designs from 6.5Te to 500Te as standard other capabilities on request
- Designed to be rigged & operated with a Working Load Link (WLL) of the same capacity
- Safety factor of 5:1
- Accuracy <0.5% of applied load
- Suitable for ATEX, IECEx Zone 1 and 2
- No cabling or bulky equipment to contend with.
- Every unit load tested and certified

Load Monitoring Systems Ltd

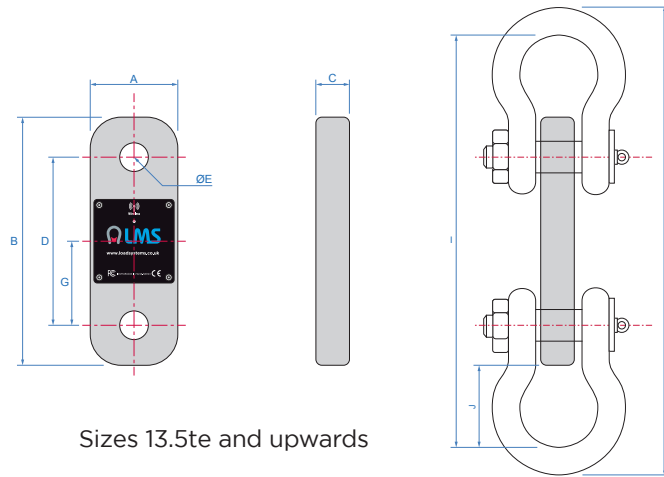
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Sizes 13.5te and upwards

Load Link Dimensions mm														
Capacity Tonne	6.5	13.5	17	25	35	55	85	100	150	200	250	300	400	500
A	84	84	93	127	137	163	198	272	272	331	353	398	490	540
B	273	292	302	332	386	466	518	695	695	769	829	937	1037	1137
C	32	45	50	60	70	75	104	136	136	150	175	190	198	198
D	197	182	182	206	226	286	310	395	395	419	469	517	547	607
ØE	27	40	43	55	61	75	86	118	118	135	145	158	180	190
G	98	91	91	103	113	143	155	197.5	197.5	209.5	234.5	258.5	273.5	303.5
Weight (kg)	1.55	2.3	3	5.7	8.25	16	23.45	59.5	59.5	89.5	123.5	167	251	311
Load Link & Shackle Dimensions mm														
H	432	556	592	702	777	1006	1201	1435	1533	1815	1977	2183	2398	2588
I	388	486	516	612	677	876	1051	1245	1323	1575	1717	1903	2058	2228
J	57.5	97	107	140	145.5	205	266.5	317.5	314	403	444	483	510.5	545.5
Combined Weight (kg)	520	15.38	19.38	34.14	47.31	95.18	147.45	256.05	409.5	559.5	693.5	847	1371	1681
Kit Weight (kg)	5.2	6	6.7	9.5	12	23	30	47	74	106.15	140.15	183.65	267.65	327.65
Shackle Size / Type	6.5	13.5	17	25	35	55	85	100	150	200	250	300	400	500
Van Beest	G-4163							P-6036						
GN Rope	H9							H10						
Crosby	G2130 to G2140													

Specifications		
Model Number	LMS-X24TX	
Ordering Code	LMS-X24TX-LL-(CAPACITY) (capacity based on load rating of model required)	
Overload Tested (Proof Load)	200% rated load (6.5te - 250te sixes) 150% rated load 300te and above	
Minimum Breaking Load (MBL)	6.5te to 400te	500% rated load
	500te	450% rated load
Dead Load Offset	±/- 0.1mV	
Accuracy	< 0.5% of applied load	
Repeatability	< ±/- 0.1% of applied load	
Hysteresis up to FS	Minimal	
Operating temperature	-20°C to + 60°C	
Environmental Rating	IP67	
Range	800 Meters (straight line uninterrupted view)	
Transmit rate	900ms (standard)	
Antenna (Wireless Version)	Internal	
Radio (Wireless Version)	2.4 Ghz; worldwide licence free	
Hazardous Area Markings	 II 2G Ex ib IIC T4 Gb (-20°C < Tamb < + 60°C)	
Gas Zones	ATEX and IECEx Zone 1 and Zone 2	
Battery Type / Lifespan	Load Cells	6.5Te - 25Te - 500Te Load Link - 2 x AA Energizer Lithium Batteries (L91) @ 40 hours (continuous) 13.5Te - 17Te Load Link - 2 x AA Energizer Lithium Batteries (L91) @ 40 hours (continuous)
	Display	2 x AA Energizer Lithium Batteries (L91) @ 40 hours (continuous)
Calibration	12 months (calibration service available)	
Warranty	12 months	
Material Finish	Lightweight, high tensile grade aluminium, hard anodised for marine environments.	
Traceability and Safety Compliance	BS EN ISO 7500-1:2004, Machinery directive 2006/42/EC (SI 2008/1597) S.I. No. 2306 (1998) Lifting Operations and Lifting Equipment Regulations	