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Load Links

Accurate and reliable tensile load monitoring for lifting applications.



Options



Wireless & Internal Antenna



Matched Telemetry Displays



Rent this item



Cabled with 49.2ft flying cable



Data Logging Software Available



ATEX version

Suitable for all industry sectors including marine, offshore and subsea.

Due to the robust, lightweight high tensile aluminium design these load links are ideal for mobile applications and available as either cabled or wireless with a range of options.

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.



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
- ATEX versions available for zones 0, 1, & 2
- Subsea variants available on request
- Every unit load tested and certified

Load Monitoring Systems Ltd

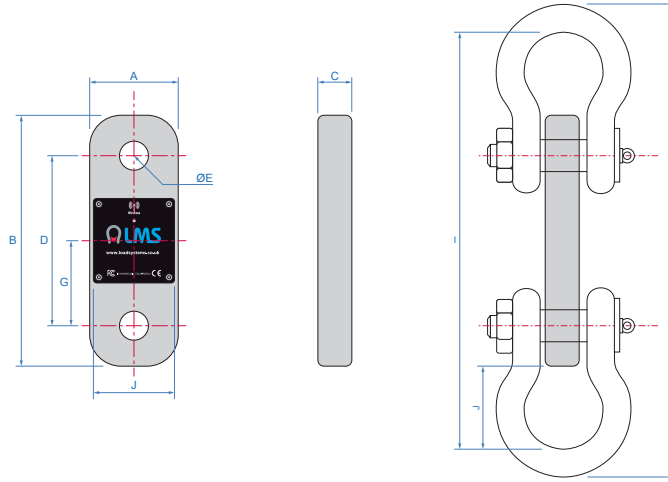
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Load Link Dimensions mm

| Capacity Tonne | 1 | 3.25 | 6.5 | 13.5 | 17 | 25 | 35 | 55 | 85 | 100 | 150 | 200 | 250 | 300 | 400 | 500 |
|----------------|-------|-------|--------|------|--------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| A | 52 | 60 | 84 | 84 | 93 | 127 | 157 | 183 | 198 | 220 | 272 | 331 | 353 | 398 | 490 | 540 |
| B | 151 | 183 | 238 | 292 | 302 | 332 | 436 | 470 | 518 | 590 | 695 | 769 | 829 | 937 | 1037 | 1137 |
| C | 31 | 31 | 32 | 45 | 50 | 60 | 70 | 85 | 104 | 124 | 136 | 150 | 175 | 168 | 198 | 198 |
| D | 117 | 133 | 162 | 182 | 182 | 206 | 256 | 286 | 310 | 350 | 395 | 419 | 469 | 517 | 547 | 607 |
| ØE | 12 | 20 | 27 | 40 | 43 | 55 | 61 | 75 | 86 | 100 | 118 | 135 | 145 | 158 | 180 | 190 |
| G | 58.5 | 66.5 | 81 | 91 | 91 | 103 | 128 | 143 | 155 | 175 | 197.5 | 209.5 | 234.5 | 258.5 | 273.5 | 303.5 |
| Weight (kg) | 0.3kg | 0.6kg | 1.5 kg | 6 kg | 6.5 kg | 7 kg | 12 kg | 15 kg | 23 kg | 37 kg | 63 kg | 93 kg | 135 kg | 186 kg | 228 kg | 322 kg |

Load Link & Shackle Dimensions mm

| | | | | | | | | | | | | | | | | |
|----------------------|--------|--------|---------|----------|----------|----------|----------|----------|--------|--------|--------|--------|--------|--------|---------|-----------|
| H | 221 | 312 | 397 | 556 | 592 | 702 | 807 | 1006 | 1201 | 1435 | 1533 | 1815 | 1977 | 2183 | 2398 | 2588 |
| I | 201 | 280 | 353 | 486 | 516 | 612 | 707 | 876 | 1051 | 1245 | 1323 | 1575 | 1717 | 1903 | 2058 | 2228 |
| J | 25 | 48.5 | 57.5 | 97 | 107 | 140 | 135.5 | 203 | 266.5 | 327.5 | 314 | 403 | 444 | 483 | 510.5 | 545.5 |
| Combined Weight (kg) | 0.6 kg | 2.1 kg | 5.04 kg | 19.08 kg | 22.88 kg | 35.44 kg | 51.06 kg | 94.18 kg | 147 kg | 257 kg | 383 kg | 563 kg | 705 kg | 866 kg | 1348 kg | 1673.5 kg |

| Shackle Size / Type | 1 | 3.25 | 6.5 | 13.5 | 17 | 25 | 35 | 55 | 85 | 100 | 150 | 200 | 250 | 300 | 400 | 500 |
|---------------------|---|------|-----|------|----|----------------|----|----|----|-----|--------|-----|-----|-----|-----|-----|
| Van Beest | | | | | | P-416 | | | | | P-6036 | | | | | |
| GN Rope | | | | | | H9 | | | | | H10 | | | | | |
| Crosby | | | | | | G2130 to G2140 | | | | | | | | | | |

Specifications

| | | |
|------------------------------------|--|---|
| Overload Tested (Proof Load) | 200% rated load (6.5te - 250te sizes) 150% rated load 300te and above | |
| Minimum Breaking Load (MBL) | 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 +70°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 | |
| Cabled Version Output Signals | Analogue signals 4-20mA in 2 or 3 wire output with 10-30VDC supply 0-5VDC or 0-10VDC 3-wire output with 10-30VDC supply Digital signals RS232 with a protocol of your choice with 5-20VDC supply RS485 with a protocol of your choice with 5-20VDC supply | |
| Cable Version Connection Type | Load link with plug-in socket and 15m, 4-core screened PUR cable with matched plug-in connector fitted. Other types on request. | |
| Battery Type / Lifespan | Load Cells | 6.5Te - 35Te Load Link - 2 x AAA 1.5V @ 500+ hours (continuous) 55Te - 85Te Load Link - 2 AA 1.5V @ 1200+ hours (continuous) 100Te - 500Te Load Link - 2 x C 1.5V @ 2000+ hours (continuous) Battery changes are reduced when device is put on sleep mode during 12 month calibration windows. |
| | Display | 2 x AA 1.5V batteries @ 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) | |
| ATEX Options | | |
| Zone 2 | Standard options (wireless and cabled) | |
| Zone 1 | Standard options (wireless and cabled) | |
| Zone 0 | Stainless steel construction, cabled options - contact LMS for more details | |