

Products

Load Shackles

EMHA has developed a complete range of Techno Fysica™ Load shackles. These force measuring sensors are designed to measure a tension at the cable attachment in a pad eye construction or particularly at the end of a wire or rope without losing lifting height. Load shackles are specially adapted for standard shackles. Our sensors are compound filled and sealed, for the best protection against potential leakage, EMC and long lifetime performance.

Features and benefits of Techno Fysica™ Load shackles

- Robust design for use in severe and hostile environments
- Anti-rotation bracket ensuring centralised, accurate loading
- High tensile stainless steel loadpin installed in Shackle
- Easy to install/retrofit
- High levels of environmental protection
- High accuracy
- Long life design
- Single or redundant bridges
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- Capacity 1 to 500 t.
- Standard dimensions
- Protection class: IP66 (IP 68 on request)
- Complete range of CE certified electronics, load limiters and displays available for your application
- Cable length: 5 m (other lengths available on request)

Available options

- Dual bridge output (A & B strain gauge bridge network)
- Amplified output (Analogue or digital)
- Subsea cable connection : Depth: up to -3500 m (350 bar)- deeper on request
- Wireless load-measuring shackles designed to measure tension force.
- Internal antenna for added protection
- Frequencies: from 2.4000 to 2.4835 GHz
- Power: 10 mW, licence: exempted
- Range: 500 m open field (antenna integrated)
- Sleep mode, remote wake-up mode, remote control of batteries
- Not appropriate for overload protection

Field of applications

- Test equipment (reference load cell)

- Offshore Drilling, pipe laying, production
- Crane handling
- Testing equipment
- Construction



- EMHA Monitoring uses its expertise to custom design and manufacture load cells according to clients specific applications. We provide an in-house health check, repair, refurbish and calibration service for any brand and type of load cells with fully traceable calibration certificates.