



## Load Pins

Load measuring pins are strain gauge based transducers which are used to measure load, overload, or tension conditions. Often used to replace an existing axle or shaft within a structure, load pins offer a very convenient and compact location for load sensing. Typically, load pins are used in cranes, rope sheaves, fairleads, winches, mooring hooks and anchorages.

They have many advantages over other load sensors in that they do not normally require any change to the mechanical structure being monitored.

Water Weights can provide a range of load pins with capacities from 0.25 to 1000+ tons. They are maintenance free and due to their rugged construction are ideal for use in hostile environments including subsea applications. They provide accuracy up to 0.5%

We can also provide custom load measuring pins to meet specific customer requirements, which could include special electrical connections or any required sealing or protection class.

### Options :

- Special anti-rotation / locking plates
- Internal grease ways
- Plug / Socket breakdown at pin
- Second redundancy gauge bridge
- Internal signal amplifier
- Witness by Lloyds Reg. Of Shipping, ABS etc.
- Single shear pins
- Multiple Shear Pins

