

Subsea Load Pin

SSLP-2.0

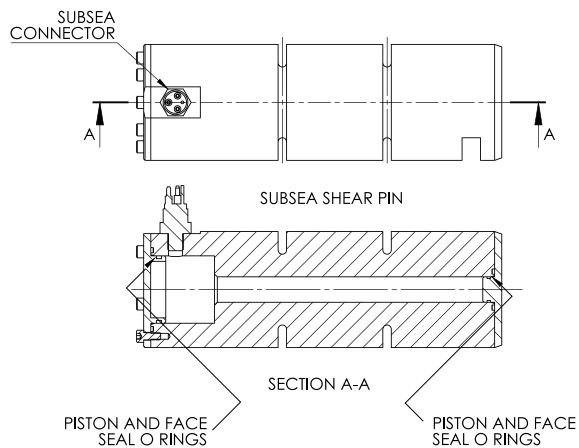
The DLM Subsea Load Pin is manufactured from high tensile 17-4PH H1150D stainless steel fully traceable from European mills and designed for the Subsea industry. The Subsea Load Pin is DLM's flagship product, ideal for use in subsea vehicles, moorings and other marine/offshore applications.

The Subsea Load Pin can also be supplied with various electrical outputs for easy interfacing with a host of different instrumentation and displays. With a minimum double O-Ring sealed construction along with encapsulation against vibration and mechanical shock. The Subsea Load Pin leads the field in rugged and functional Load Cell design. The Subsea Load Pin can be custom designed by DLM engineers to meet clients exacting requirements and each design is proven with a full FEA analysis.

Commodity Code: 90319000



Example design



Features:

- Stainless steel construction
- Minimum of 5:1 safety factor
- Fully sealed and protected up to 4000m water depth
- Wide range of electrical outputs
- Custom design

Applications:

- Trenching vehicles
- Plough vehicles
- ROV's
- Subsea moorings

Load pins are custom designed to meet each client's exacting requirements. Contact us to discuss your design.

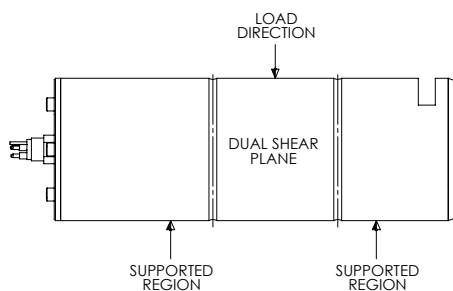
Specification

Pin Material:	17/4PH H1150 + 1150 stainless steel
Bridge Resistance:	350Ω - 1000Ω
Accuracy:	<1.0% FS
Load ratings:	1 - 2000t
Operating Temperature:	-20°C to +60°C
Signal conditioner options:	mV output / 4-20mA 3 wire amplifier / 4-20mA 2 wire amplifier / RS485 MODBUS signal conditioner / RS485 ASCII signal conditioner / 0-10V Amplifier
Input Voltage:	10V excitation for mV output / 12-30VDC for internal Amplifiers
Degree of protection:	Subsea variant available with face and barrel O-Ring sealed end caps for subsea rated protection
Connection options:	MCBH3MP or MCBH4MP subsea connector / BH3MP or BH4MP subsea connector / 4 6.5 MBORA subsea connector
Locking and fixing arrangements:	Keeper slot and lock plate / Anti-rotation bracket / Thread and nut with split pin / Welded bracket
Certification:	Supplied with calibration, proof load and test certificates to BS EN ISO 7500-1:2018 and material certification to 3.1 or 3.2 upon request
Hydrostatic Testing:	Up to 600 bar

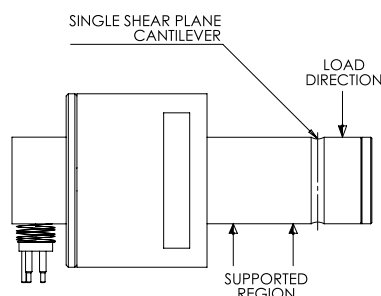
Custom Load Pin Design Options

Custom Load Pin design options

1. Dual shear plane type

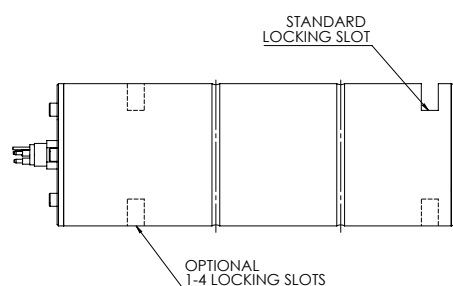


2. Single shear plane cantilever pin

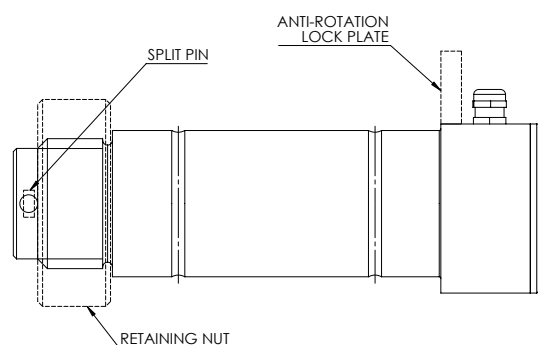


Locking options

1. Lock plate (1 to 4 locking slots)

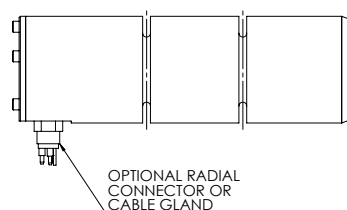


2. Anti-Rotation – thread and nut split pin

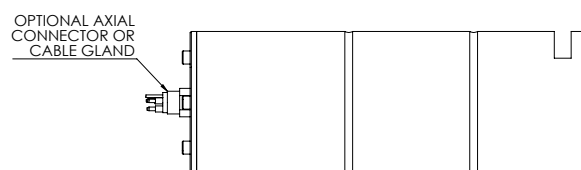


Cable entry options

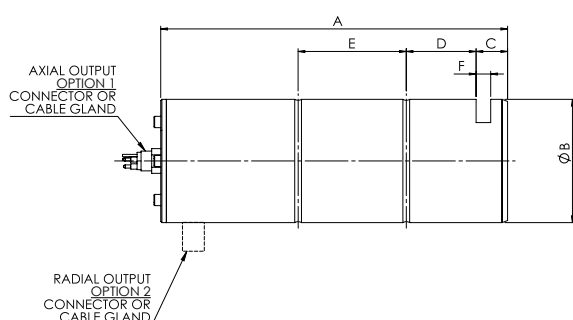
1. Radial – connector or cable gland



2. Axial – connector or cable gland



Dimensional Data



Features:

- Stainless steel construction
- FEA verified designs
- Down hole gauged for high protection
- IP67/IP68 ratings and robust construction
- Removable end caps for easy serviceability and excellent sealing