



SMART LOADPINS

Cyclops Smart Loadpins deliver a new approach to loadpins: industrial manufacturing reliability and waterproofing, *digital direct* technology for accuracy and convenience of installation, 5-year warranty for reliability and waterproofing.

Cyclops Smart Loadpins are designed and built for highest reliability and simplicity of installation:

- Machined from Nitronic 50 for strength, wear resistance, and prevention of rust-stain
- Sourced from leading European supplier which manufactures 2500 loadpins per year for nuclear, aerospace and offshore industries
- Onsite support in Palma to simplify specification and installation
- Full integration with Cyclops' innovative Rig Monitoring Systems to provide comprehensive information on rig usage
- 5-year warranty against water ingress, and strain gauge or electronics failure

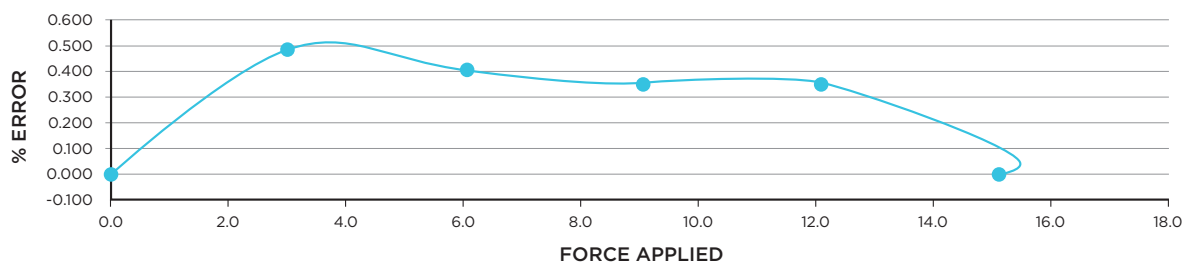
Cyclops' *digital direct* technology makes these loadpins ideal for yachting applications. Our electronics integrate directly within the loadpins:

- Cyclops *digital direct* technology seals the electronics within the loadpin to deliver robust digital signals
- *digital direct* eliminates the need for local amplifier boxes, and allows cable runs >100m
- Cable can be removed to simplify installation, using fully submersible connector to guarantee waterproofing
- Direct connection to instrumentation, both NMEA2000 and 0-5VDC 'Linear'
- Pre-calibrated in factory for instant accuracy "out of the box"

TYPICAL SPECIFICATION

Ultimate breaking load	500% of rated load
Rated load availability	0.1 tonne to 500 tonnes
Accuracy	+/- 0.5%
Compensated temperature range	-10C to +40C
Waterproofing	Fully submersible

EXAMPLE CALIBRATION RESULTS



OPTIONS

Material: Nitronic 50 as standard; alternative metals and hardening treatments available as options

Pin profile: barrel-pin and other bearing profiles available as an option

digital direct interface: NMEA 2000 (PGN65293) as standard, 0-5VDC output available as an option

Connector location: axial exit supplied as standard, right-angle exit as an option

Anti-rotation: elliptical tab provided as standard; other anti-rotation mechanisms available as option

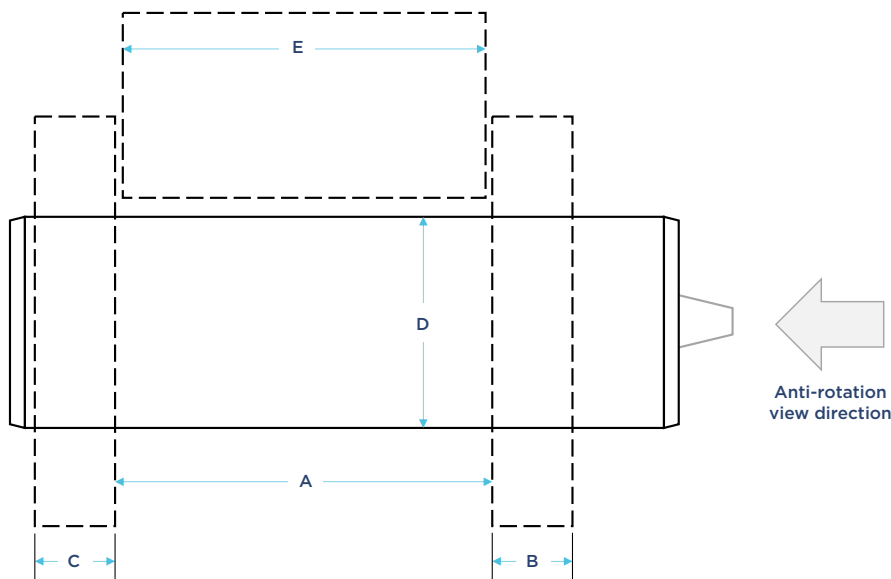
ORDERING

Cyclops smart loadpins are individually manufactured and calibrated to meet customer requirements.

We will produce a drawing based on the requirements specified below.

Delivery is typically 4 weeks from acceptance.

The dimensions should be measured carefully to ensure load pin accuracy in use.



Smart Loadpin - Customer details	
Yacht name:	
Yacht LOA:	
Rig location:	
SWL:	
Ult. break load:	
Contact name:	
Contact email:	

Smart Loadpin - Dimensions	
A=	
B=	
C=	
D=	
E=	
Anti-rotation mechanism:	

Smart Loadpin - Option selection			
	Standard option:	(Y/N)	Alternative options:
Material:	Nitronic 50		
Loadpin profile:	Cylindrical profile		
Electronic output:	NMEA2000 (PGN65293)		
Connector orientation:	Axial exit		