Custom Load Pin Worksheet

ANYLOAD specializes in designing and manufacturing custom load cells, weighing systems, and force measurement solutions tailored to your specific applications. Our experienced team ensures responsive turnaround times from initial consultations and prototyping to full-scale production.

This worksheet is designed to help ANYLOAD comprehensively gather all available technical specifications to provide the best product solutions for your load cell, weighing, and force measurement application. The completion of this form is **NOT** mandatory to submit an inquiry or contact us about custom solutions.

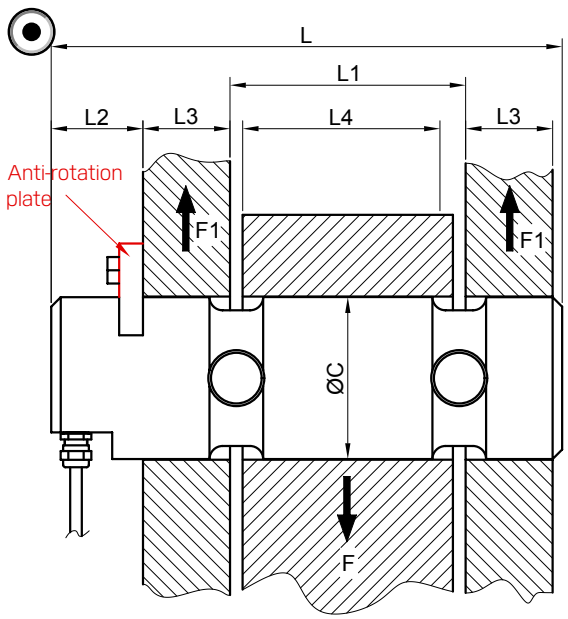
⚠ **Worksheet Instructions:**

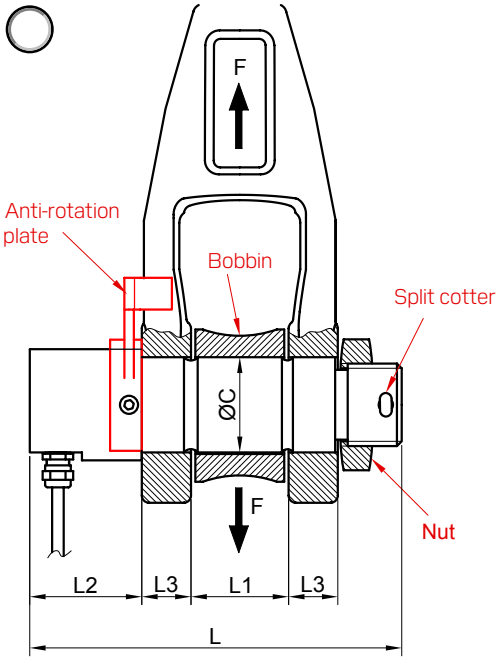
- Please fill out the worksheet to the best of your knowledge.
- Leave any columns **BLANK** if they do not apply or you are uncertain about.
- Note in the **ADDITIONAL** section any other information.
- Upload the completed form and any additional drawings & documents to anyload.com/product/custom-made-load-pins/, or attach them in the Email to info@anyload.com

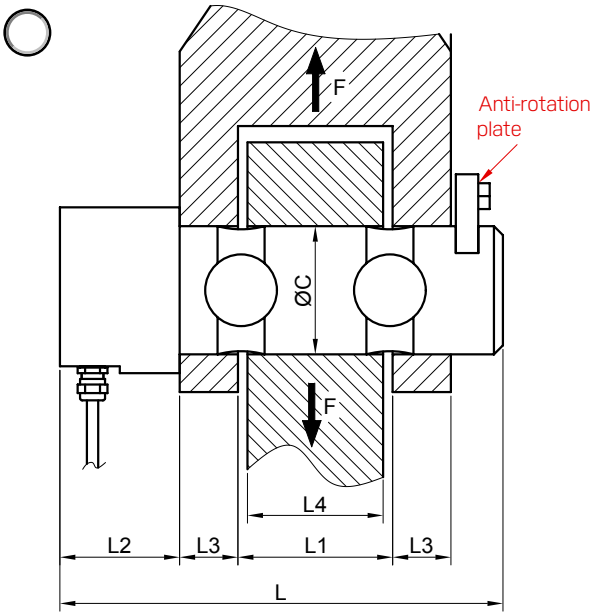
1. General Information		
a. Company Name:		
b. Company Address:		
c. Ship-To Address:		
d. Contact Name		
e. Email:		
f. Estimated Usage Quantity:		
g. Timeframe: (For samples and bulk if applicable)		
h. Reference Product: (If the custom solution is to be similar to an existing product)	Interchangeability (with existing load pin product): ☐ Yes ☐ No	
	Reference Part Number: (Attach datasheet if available)	
i. Application		

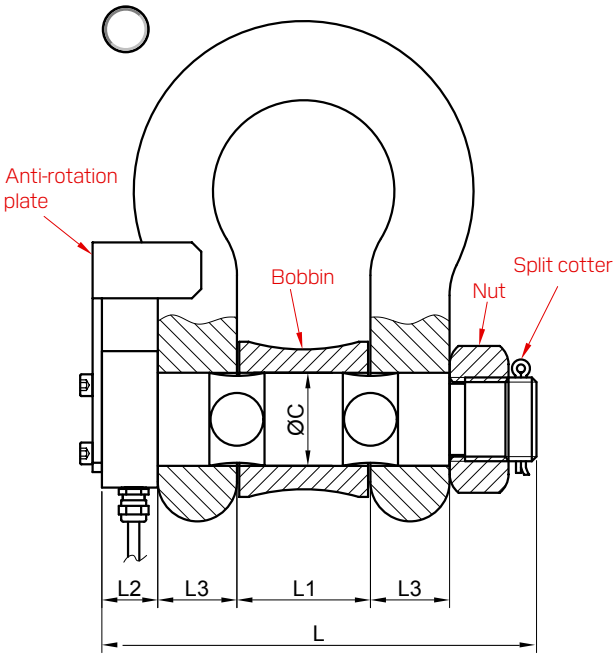
2. General Information

a. Type:









b. Dimensions:

	C	L (optional)	L1	L2 (optional)	L3	L4
mm						
inch						

3. Operational

a. Rated Load Capacity: (Specify Unit of Measurement)		
b. Loading Mode:	☐ Compression ☐ Tension	☐ Universal (Tension & Compression) ☐ Multi-Axial
c. Adverse Loading:	Safe Overload 150 % FS Breaking Load 300 % FS	
d. Full Scale Output: (FSO)	1.0	mV/V ± 10 %

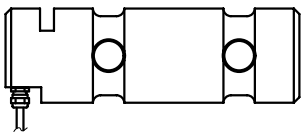
4. Performance

a. Overall Accuracy Target:	± 1.0 % FSO (max)	
b. Calibration: (Zero and FSO counts as 2 points)	Loading Mode: ☐ Compression ☐ Tension ☐ Universal ☐ Multi-Axial Positive Output: ☐ Compression ☐ Tension	Calibration Points: ○ Yes ○ No If Yes: 5 points ☐ Anyload Factory Report (default) ☐ ISO/IEC 17025 Certificate (additional fee)
c. Special Testing: (Additional testing on top of our standard R&D validation and QA tests)	☐ Creep (24h) ☐ Fatigue: _____ cycles ☐ Overload: _____ % FS	☐ Destructive fracture: ___ unit(s) ☐ High water pressure: ___ kPa ☐ Salt-steam-spray: ____ hrs ☐ Humidity: ____ hrs

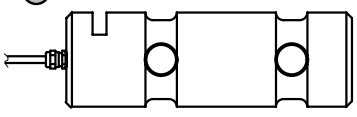
5. Electrical

a. Excitation Voltage:	15	VCD (max)
b. Zero Balance:	≤ ± 0.02 mV/V	
c. Terminal Resistance:	Input (Excitation) 400 Ohms ± 20 Ohms Output (Signal) 350 Ohms ± 3 Ohms	
d. Cable: (Default: Exc+ Red, Exc- Black, Sig+ Green, Sig- White, Shield Bare)	Length:	

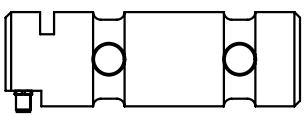
○ Radial Cable Exit



○ Axial Cable Exit

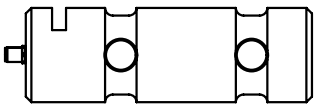


○ Radial Connector Exit



If selected, specify: ○ M12 ○ M8 and ○ Male ○ Female

○ Axial Connector Exit



If selected, specify: ○ M12 ○ M8 and ○ Male ○ Female

6. Environmental

a. General Location	○ Indoor	○ Outdoor
b. Operating Temperature Range:	-10 to 50 °C ■ or °F ☐	
c. Sealing:	IP Rating: IP67	
d. Element Material:	◉ Stainless Steel ○ Alloy Steel Surface Treatment: ○ Nickel Plating (default) ○ Electrophoretic Coating ○ Other (specify): _____	
e. Corrosion: (Chemical that may corrode or degrade the load pin)	☐ Salt ☐ Chlorine ☐ Fertilizer ☐ Strong Acid ☐ Strong Base	☐ Heavy Oil ☐ Animal Waste ☐ Other (specify): _____
f. Hazardous Rating: (Explosive/hazardous atmospheres)	Class: _____ / Division: _____ / Group: _____ ☐ FM (US) ☐ FM (Canada) ☐ ATEX ☐ IECEx ☐ Other	

7. Integrations

a. Internal Amplification (Embedded amplifier to enable amplified/digitized signal output)	ANYLOAD amplification/digitization solution includes complementary PC software for calibration, readout, and data logging. ○ Analog ○ 4-20mA ○ 0-5 VDC ○ 0-10 VDC ○ ± 5 VDC ○ ± 10 VDC ○ Other (specify): _____ ○ Digital ○ RS232 (Modbus RTU) ○ RS485 (Modbus RTU) ○ CANBUS (CAN Open) ○ CAN J1939
b. Instrumentation: (Paired digital instrumentation, can be calibrated with the load pin)	 ○ Handheld  ○ Panel Mount  ○ DIN Rail  ○ Handheld  ○ Amplifier
c. Display Resolution: (Maximum)	_____ x _____
d. Calibration Points	5 points

8. Additional Information (include below or attach separately)

The ANYLOAD team will evaluate and respond promptly once an inquiry has been submitted via our email (info@anyload.com) or or our website (www.anyload.com/product/custom-made-load-pins/).

Thank you for this opportunity to be of service.

The completion of this form is NOT mandatory to submit a custom load pin inquiry. This worksheet is designed to assist our team in methodically gathering comprehensive information.

For projects requiring substantial research and development, an engineering fee may be applicable. An estimate will be provded, and payment will be required before proceeding beyond the initial consultation and scoping stage. **No fees or expenses will be incurred without express written notice to and clear authorization from the client.**

If you prefer not to fill out the technical worksheet or require assistance with installation and servicing, you can simply contact us to discuss your application further or request a referral from us to an authorized ANYLOAD dealer in your area. Our dealers can provide on-site consultation, integration, calibration, and other relevant services, ensuring you receive the best possible solution without the need for direct technical involvement.

We look forward to working with you.

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