



RST INSTRUMENTS LTD.

VW Hydraulic Load Cell Instruction Manual

RST Instruments Ltd.
200 – 2050 Hartley Avenue
Coquitlam, B.C. Canada V3K 6W5
Tel: (604) 540-1100
Fax: (604) 540-1005
e-mail: Info@rstinstruments.com

VW Hydraulic Load Cell Instruction Manual

Although all efforts have been made to ensure the accuracy and completeness of the information contained in this document, RST Instruments reserves the right to change the information at any time and assumes no liability for its accuracy.

Product: VW Hydraulic Load Cell Instruction Manual

Document number: LPM0004A Vibrating Wire Hydraulic Load Cell Installation Manual.doc

Revision: 1.1

Date: June 3, 2003

1 VW HYDRAULIC LOAD CELL INSTALLATION:

WARNING:

The applied load must be aligned, centered, and uniform over the VW Hydraulic Load Cell surface. Avoid load concentrations. Make sure loading surfaces are accurately levelled and parallel. Once the above conditions are met, then the VW Hydraulic Load Cell can be installed.

1. Place the Bearing Plate onto the loading surface, making sure the grooved surface of the Bearing Plate is facing up (see Figure 1)
2. Place the VW Hydraulic Load Cell into the groove of the Bearing Plate
3. Connect the VW Hydraulic Load Cell to the Readout Box (VW-2104) and take a zero reading
4. Lower the Distribution Plate onto the VW Hydraulic Load Cell aligning the groove on the Distribution Plate with the VW Hydraulic Load Cell
5. Monitor the Readout Box (VW-2104) while slowly lowering the Applied Load onto the Distribution Plate.

Note:

The VW Hydraulic Load Cell should be installed in a thermally stable environment to prevent wandering of the readings due to Thermal Expansion.

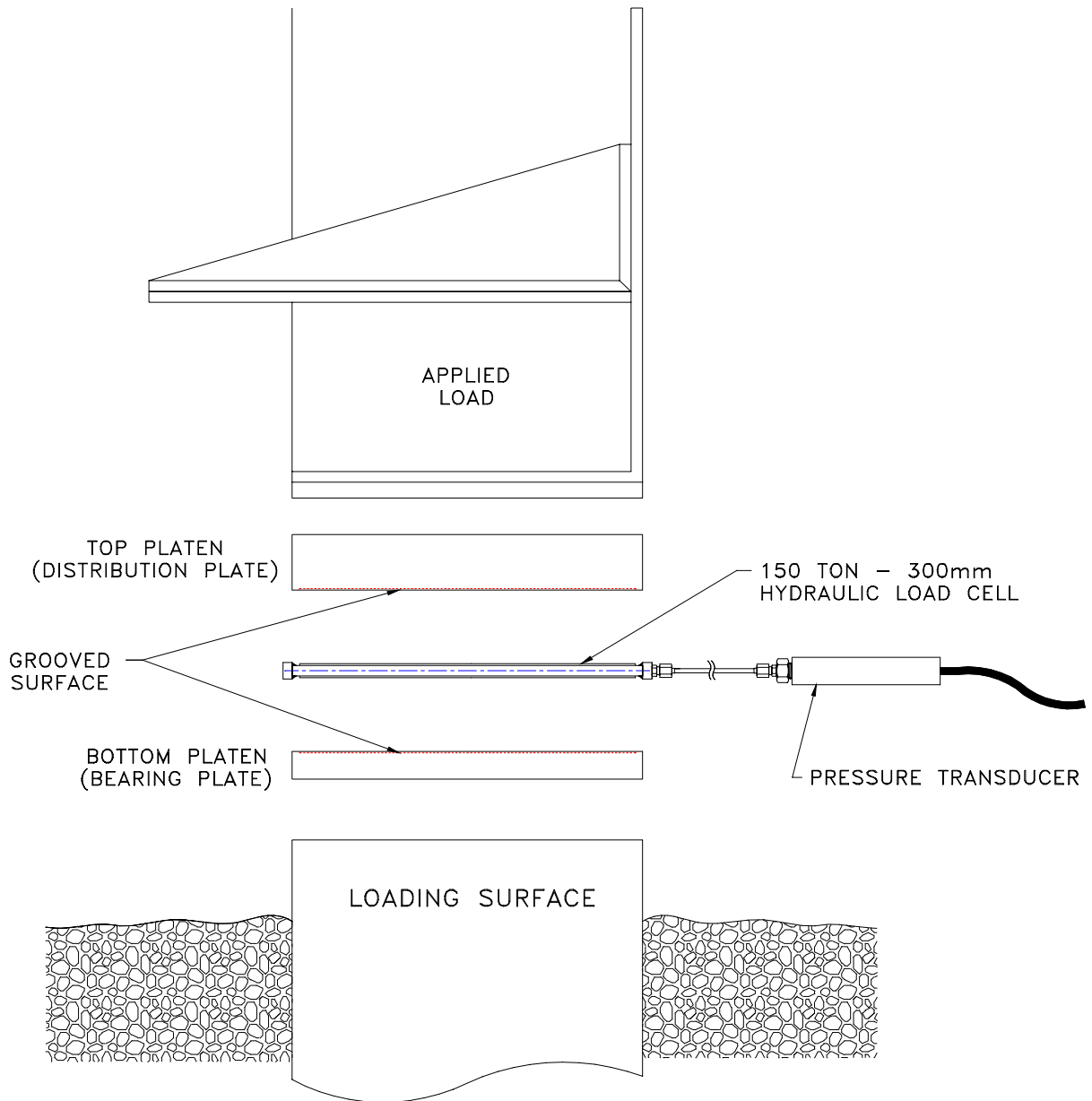


Figure 1: VW Hydraulic Load Cell