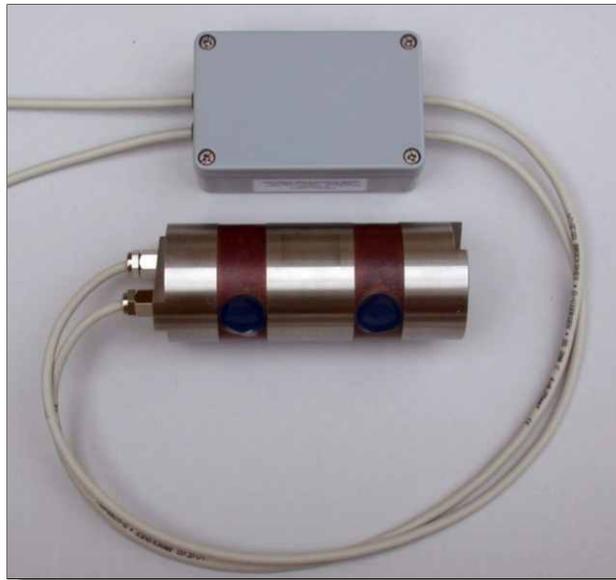


Load Pin SKL-50(S)-60-2.XX



conditional-principled style

description

The load pin works according to the principle of the clipping strength measuring crossways to the longitudinal axis.

The SKL-50(S) was developed especially for use at hydraulics cylinders of work stages, pulley blocks to cranes, building vehicles and for conveyor technology.

It is executed as a round bolt with two measuring chambers. Two thread drillings each, M8 to the end walls as well as a groove (20 mm x 5 mm), serve for the fastening of blank plates or another assembly.

The application room for the strain gauge (dms) is spilled with a very elastic mass and therefore protected from mechanical and chemical damages.

DMS-full bridges measure the deformation caused by clipping strengths on the bolt in the measuring chambers. Executions with strap output or amplifier with a measuring signal of 1 - 9 mA or 4 - 20 mA are possible for it.

By application of an amplifier the nominal output current can be produced in the unloaded state by add-ons of the calibrating checking signal (software calibration). A check of the load pin with the amplifier and the following measuring facilities is possible with that.

The SKL-50(S) is planned according to execution for the direct connection with an amplifier or a control.

