The **Weighing Module SM60** is designed specifically for quick and easy installation under tanks and silos. The module is supplied complete with a stainless steel double ended shear beam load cell which is sealed to IP68. Load is introduced via the upper and lower mounting plates which incorporate hardened load pins. The design allows the upper plate to self align even if there are errors in the alignment of the vessel structure itself. Hence accuracies of 0.05 % of rated load are possible. The mount also takes care of any temperature induced expansion in the structure as well as minimising the effects of axial and tangential forces on the weighing result.

This compact mounting arrangement incorporates integrated lift-off and lateral movement stops. The very high restoring forces created by the spherical radius machined into the load cell ensure that weighing system returns to the correct position ensuring consistent, repeatable weighing results.

The load cell is also available in an optional explosion proof design in accordance with Directive 94/9/EG (ATEX 95). It can be used in Zone 0/20/1/21 marked II 1GD Ex ia IIC T6 | Ex tD A20 IP68 T85°C (-20°C ≤ Ta ≤ +60°C).

- Capacities from 5,000 ... 20,000 kg
- Double Ended Shear Beam with 0.05 % accuracy
- Ideal for large silos and tanks
- Robust design for rough industrial applications
- Optional ATEX approval available
- Stainless Steel Load Cell sealed to IP68
- Optional Stainless Steel Mounting available.
- Built-in lift off and side load protection.
Technical Data

**Model SM60**

**Dimensions**

- 8 off Mounting Holes Ø 18 mm, 4 in the top plate & 4 in the bottom plate

**Electrical Connections**

- 6 Wire Cable; Screened

**Specifications**

- All Dimension in mm
- Specifications subject to change without prior notice