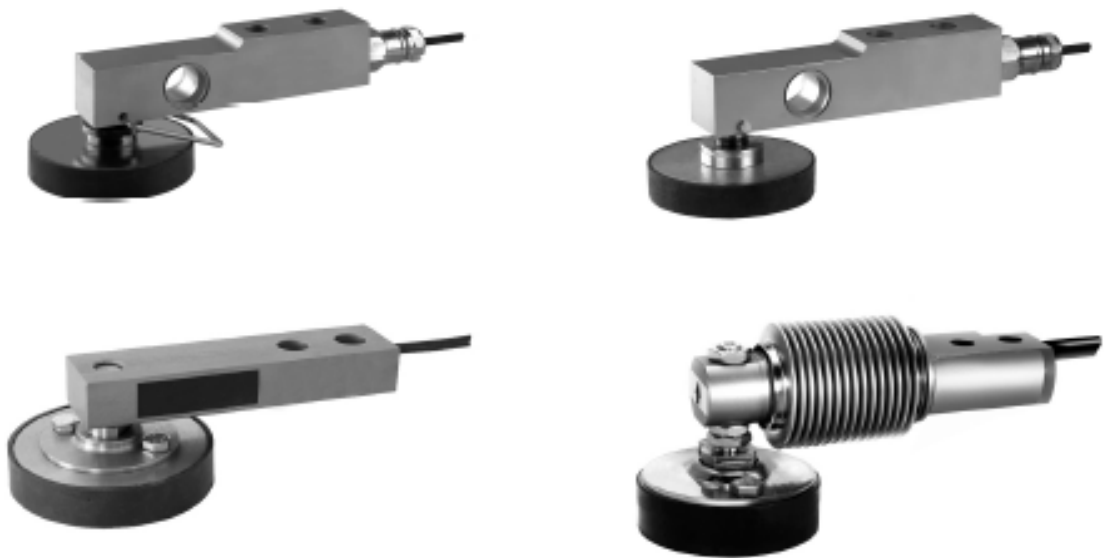


## Operating manual



AZK01X720/AZK01X721/AZK01X723  
Rubber foot

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## 1. Basic function

The basic function of the rubber element is to prevent side forces from affecting load cell performance and at the same time, keeping the load carrier in position. The rubber element is not to be seen as a vibration damper although it has a limited damping effect. It is relatively stiff in vertical direction while weak in horizontal direction.



No side force = centred



Side force acting

## 2. Height Adjustment

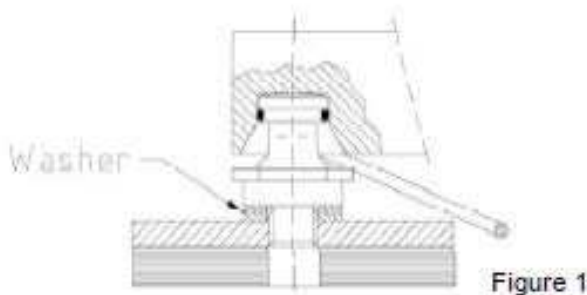


Figure 1

For Type AZK01X720 the height can be adjusted by adding standard washers between the loading pin and the rubber foot. See Figure 1.

For Type AZK01X721 (and AZK01X723) the height is adjusted by simply rotating the rubber foot. The loading pin is prevented from rotation with the foot by the retaining screw. See Figure 2.

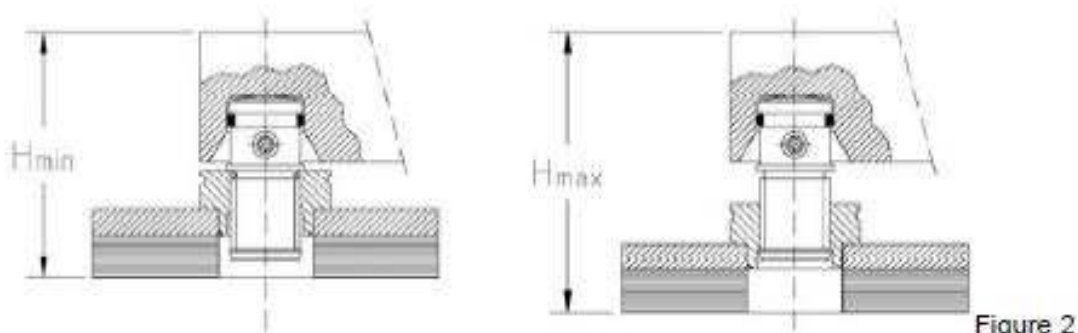


Figure 2

### 3. Retaining Function

For type AZK01X720 a spring clip prevents the rubber foot from falling out in case the load carrier is lifted. For Type AZK01X721 a screw through the cell and loading pin gives the same function. See Figure 3.

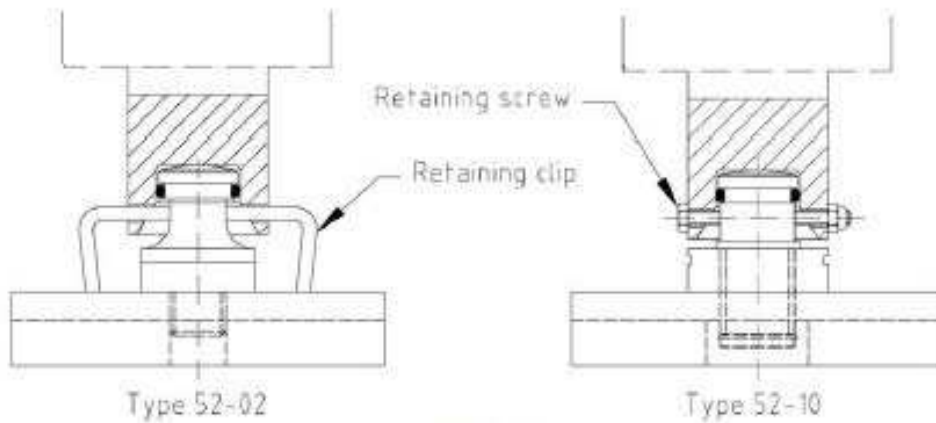


Figure 3

### 4. Installation examples

The Load Cells should be positioned so that the load is distributed as equally as possible between them. See examples below.

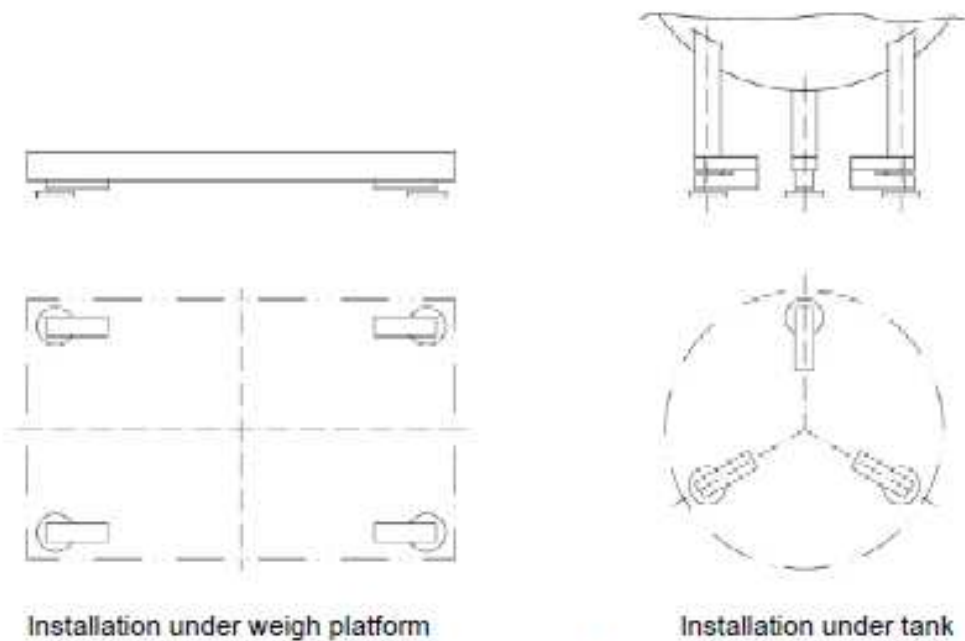


Figure 4

Figure 5 shows the rubber foot Type AZK01X720 installed under a floor scale. A hook is mounted on the loading pin, holding the ramp in position.

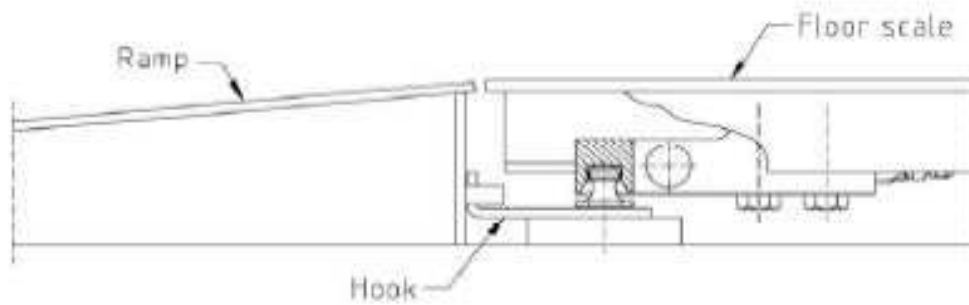


Figure 5

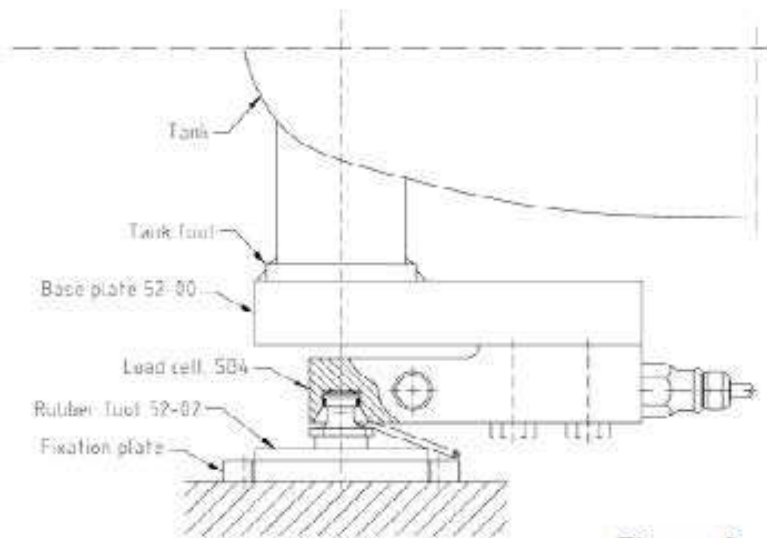


Figure 6

Figure 6 shows the Rubber Foot Type AZK01X720 installed, under a tank together with Base Plate AZK01X725. Fixation plates keep the Rubber Feet in position on the floor, in case of vibrating load carriers or when there is risk for load carrier being pushed out of position.

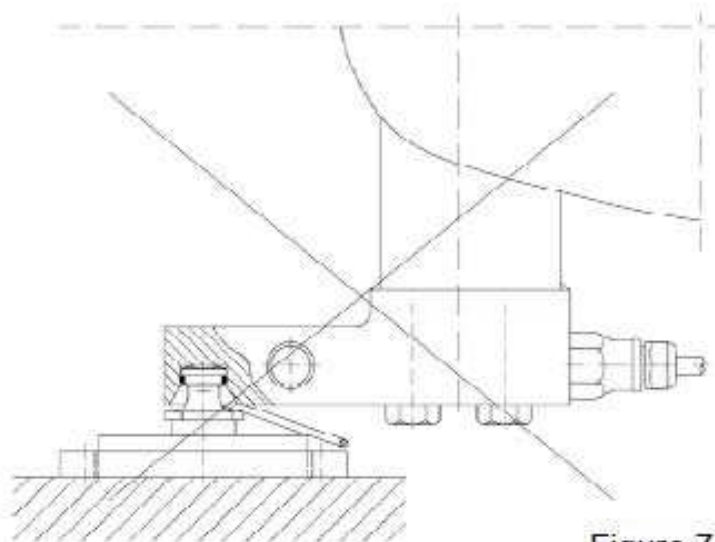
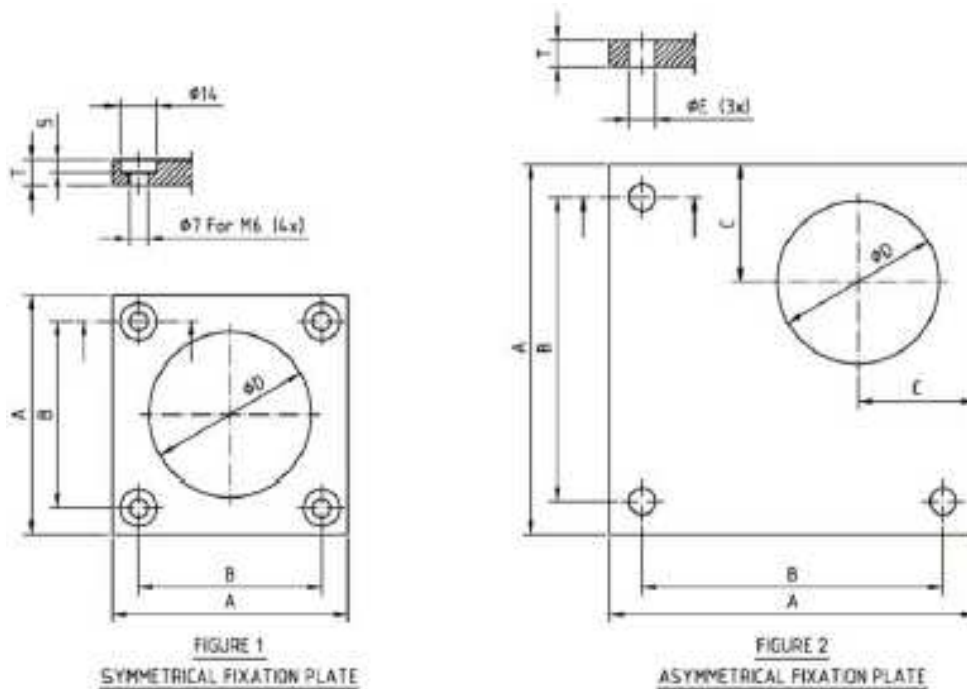


Figure 7

Figure 7 shows incorrect mounting which gives a bending moment in the tank leg. The rubber foot shall be positioned on the centreline of the leg, see Figure 6.

## 5. Fixation plates



| Type                      | Figure | A   | B   | C  | D   | E          | T  |
|---------------------------|--------|-----|-----|----|-----|------------|----|
| Symmetrical for foot 60   | 1      | 90  | 70  | -  | 62  | -          | 10 |
| Symmetrical for foot 80   | 1      | 110 | 90  | -  | 83  | -          | 10 |
| Asymmetrical for foot 60  | 2      | 140 | 115 | 45 | 62  | 10 for M8  | 10 |
| Asymmetrical for foot 89  | 2      | 160 | 135 | 55 | 83  | 10 for M8  | 10 |
| Asymmetrical for foot 100 | 2      | 160 | 155 | 65 | 104 | 12 for M10 | 15 |

Normally 2 fixation plates are sufficient, positioned at the 2 load cells which are furthest apart in the scale. The fixation plates shall be well centred to the rubber feet. One practical method to achieve centring is to push all fixation plates in same direction, in contact with the rubber elements and with the plates in this position,

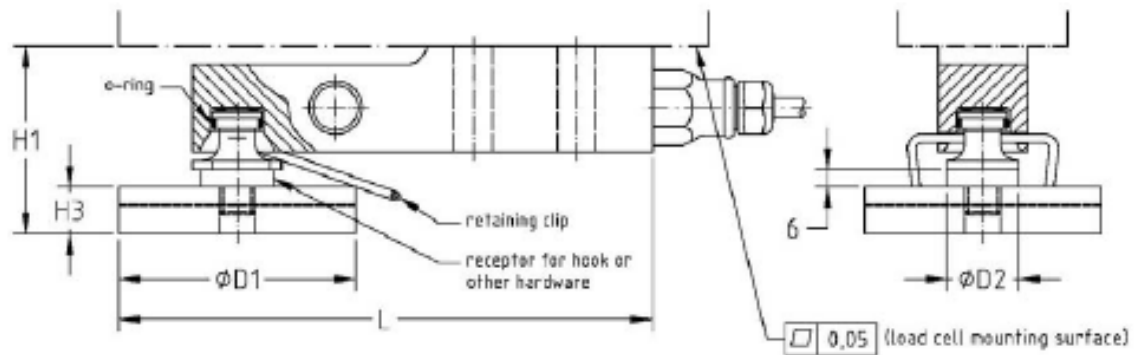
For the symmetrical fixation plates:

Carefully mark the position of the fixation plate with sharp pen marks on the floor or use small pieces of tape positioned close to the fixation plate. Lift away the load carrier and drill holes as required for the fixation screws, using the fixation plate as a template. Finally reposition the load carrier.

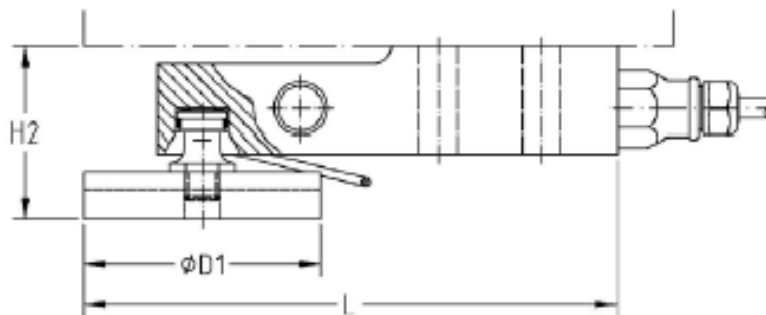
For the asymmetrical fixation plates:

In this case the holes can be drilled without lifting the load carrier, because the fixation plate extends outside the load carrier. Just make sure the fixation plates do not move while drilling the holes. For fixation with plugs, drill with same diameter as the holes to get centre marks. Then rotate the plate  $45^\circ$  and drill the larger holes for the plugs.

## 6. Dimensions and data, Type AZK01X720



### Low Profile Foot



| Load Cell Type            | Capacity in kg | L   | H1  | H2   | H3 | D1  | D2   |
|---------------------------|----------------|-----|-----|------|----|-----|------|
| F3271-5 kN/10 kN/20 kN    | 510/1020/2039  | 180 | 65  | 58   | 16 | 80  | 24,5 |
| F3271-50 kN               | 5099           | 219 | 90  | n.a. | 18 | 100 | 34,5 |
| F3271-100 kN              | 10179          | 278 | 109 | n.a. | 26 | 125 | 44   |
| F3272-500 lb/1 klb        | 227/454        | 164 | 60  | 53   | 16 | 80  | 24,5 |
| F3272-2.5 klb/5 klb       | 1134/2268      | 164 | 62* | 55*  | 16 | 80  | 24,5 |
| F3270-200 lb/500 lb       | 91/227         | 154 | 61* | 54*  | 16 | 60  | 24,5 |
| F3270-1 klb/2.5 klb/5 klb | 454/1134/2268  | 154 | 61* | 54*  | 16 | 60  | 24,5 |

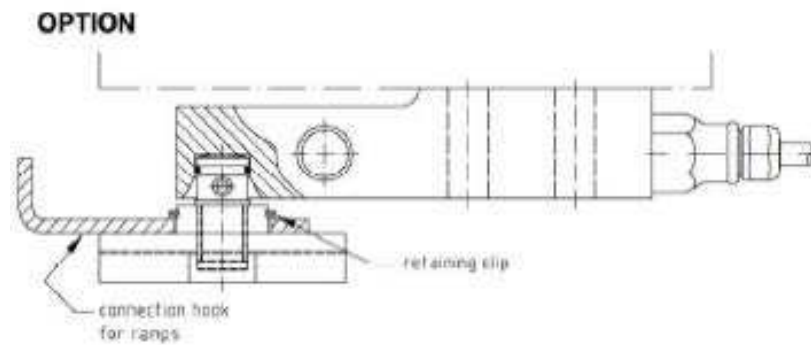
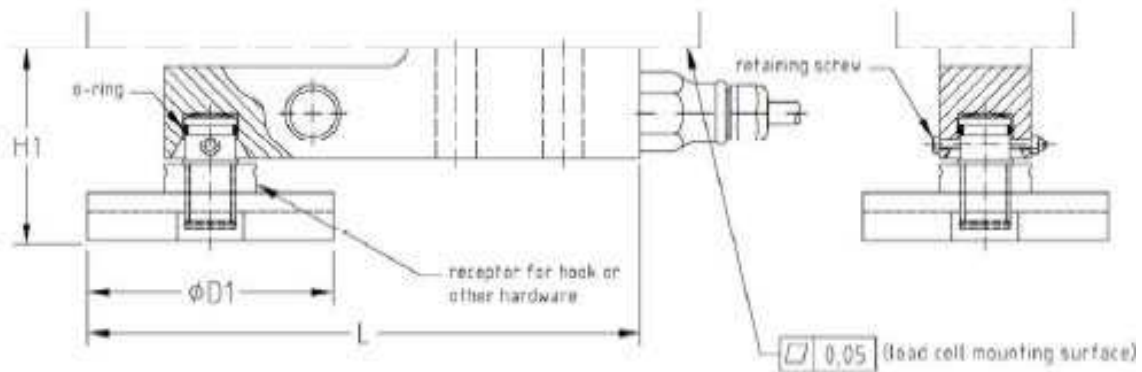
\* Including spacer.

\*\* A special retaining clip is available

All dimensions in mm. Dimensions and specifications are subject to change without notice.

CAD files for customer's own applications drawings are available on request.

## 7. Dimensions and data, Type AZK01X721



| Load Cell Type               | Capacity in kg  | L   | H        | D  |
|------------------------------|-----------------|-----|----------|----|
| F3271- 5 kN/10 kN/20 kN      | 510/1020/2039   | 180 | 63...71  | 80 |
| F2310- 200 N/500 N/1 kN/2 kN | 20,4/51/102/204 | 150 | 65...71* | 60 |
| F3272- 500 lb/1 klb          | 227/454         | 164 | 58...66  | 80 |
| F3272- 2.5 klb/5 klb         | 1134/2268       | 164 | 60...68* | 80 |
| F3270- 200 lb/500 lb         | 91/227          | 154 | 57...63* | 60 |
| F3270- 1 klb/2.5 klb/5 klb   | 454/1134/2268   | 164 | 59...67* | 80 |

\* Including spacer.

All dimensions in mm. Dimensions and specifications are subject to change without notice.

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