

Baseplate for mounting a force transducer



Description

The mounting parts for force transducers and load cells are so designed that the application of the force to the force transducer or load cell is done in an optimum way. The base plate AZK01X725 is an advantageous accessory for many applications and is delivered with the force transducer fixing screws.

For force transducers of the type F3270 and F3272 an anti-twist protection is provided. This is an optional extra for force transducers of the type F3271.

An overload protection can be provided.

Features

- Ease of assembly

Option

- Anti-redation lock for F3271;
- Overload predection

Measuring ranges

- For nominal loads from 20 kg ... 10000 kg

Applications

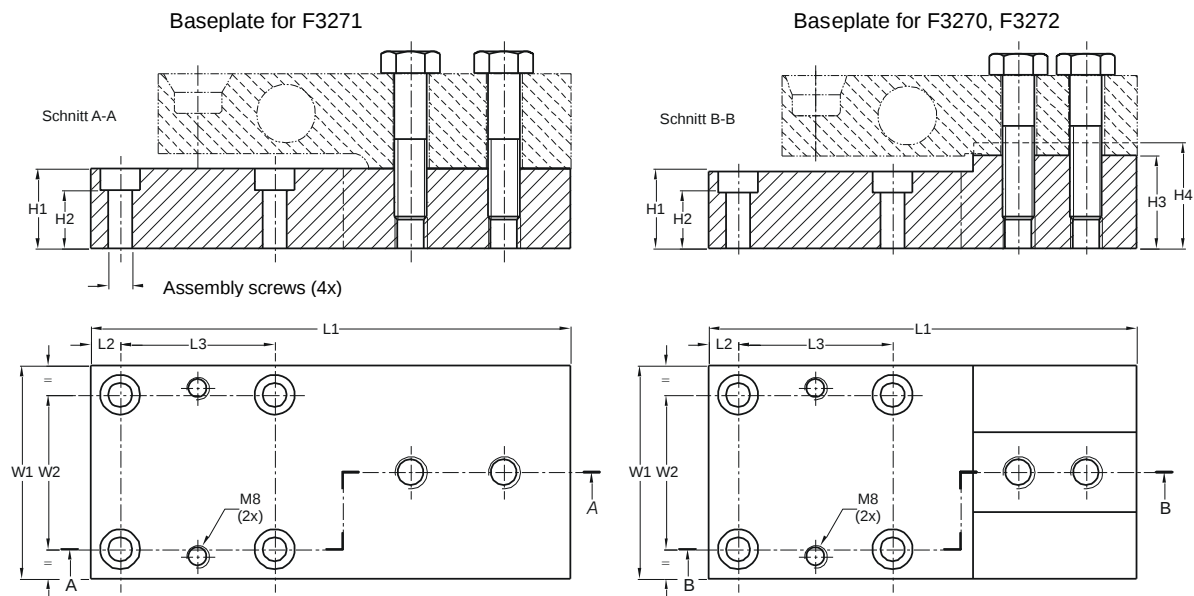
- Can be used with force transducers of the model
F3270,
F3271 and
F3272

Material

- Standard: Steel, electrogalvanised
- Option: Stainless steel

Model: AZK01X725

Dimension

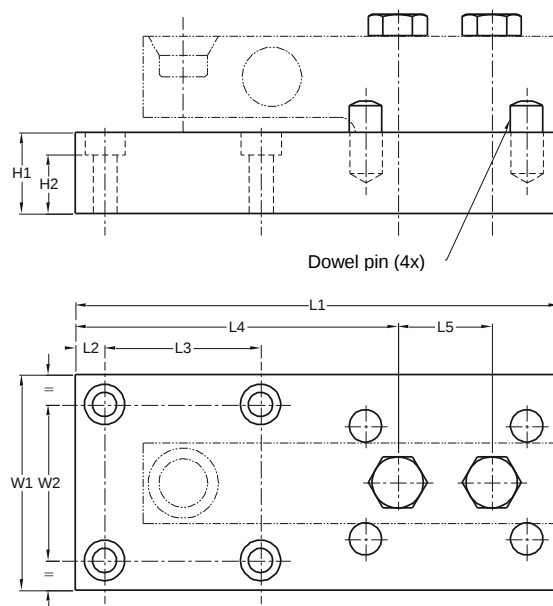


Load cell	Nominal load in kg	L1	L2	L3	H1	H2	H3	H4	W1	W2	D	Erection bolt
F3271-5 kN/10 kN/20 kN	510/1020/2039	180	11	58	30	21	n.a.	n.a.	80	58	9	M8
F3271-50 kN	5099	220	12	76	40	29	n.a.	n.a.	100	76	11	M10
F3271-100 kN	10197	275	15	90	60	47	n.a.	n.a.	120	90	14.5	M12
F3272-500 lb/1 klb/2.5 klb/5 klb	227/454/1134/2268	164	11	58	29	20	35	40	80	58	9	M8
F3270-200 lb/500 lb/1 klb/2.5 klb/5 klb	91/227/454/1134/2268	164	11	58	29	20	35	40	80	58	9	M8

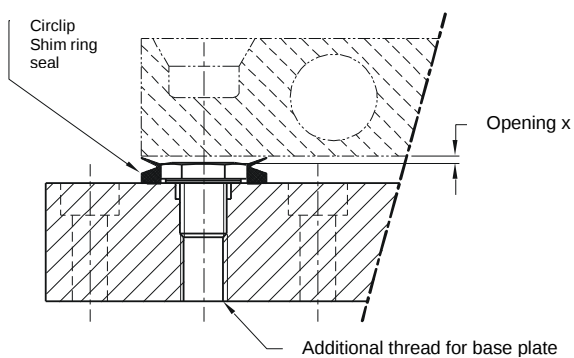
All dimensions in mm.

Option

Anti-redation lock for F3271:



Overload predection for Model F3270, F3271 and F3272:



Load Cell F3271	Deflection *	Gap „x“ **	Load Cell F3270	Deflection *	Gap „x“ **	Load Cell F3272	Deflection *	Gap „x“ **
5 kN	0.21 mm	0.25 mm	200 lb	0.27 mm	0.35 mm	500 lb	0.21 mm	0.30 mm
10 kN	0.29 mm	0.35 mm	500 lb	0.24 mm	0.30 mm	1 klb	0.24 mm	0.30 mm
20 kN	0.49 mm	0.60 mm	1 klb	0.25 mm	0.30 mm	2.5 klb	0.32 mm	0.40 mm
50 kN	0.52 mm	0.65 mm	2.5 klb	0.33 mm	0.40 mm	5 klb	0.47 mm	0.60 mm
100 kN	0.74 mm	0.95 mm	5 klb	0.56 mm	0.70 mm	10 klb		

notes:

- * The specified measuring range results from the measuring range of the force transducer and the deflection of the baseplate.
- ** Gap width for the use of the load cell at nominal load.
If the load cell is used below the nominal load, the gap width can be reduced proportionally.