DGUV Test
Prüf- und Zertifizierungsstelle
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Proposal for the addition of test methods to standard EN 1493

To section 5.7.1

On chassis supporting vehicle lifts loaded with nominal load in the most unfavorable position the inclination of the level of the pick up device shall not exceed 3 ° from the horizontal. The maximum slope is to be determined according to the test method see Annex x.

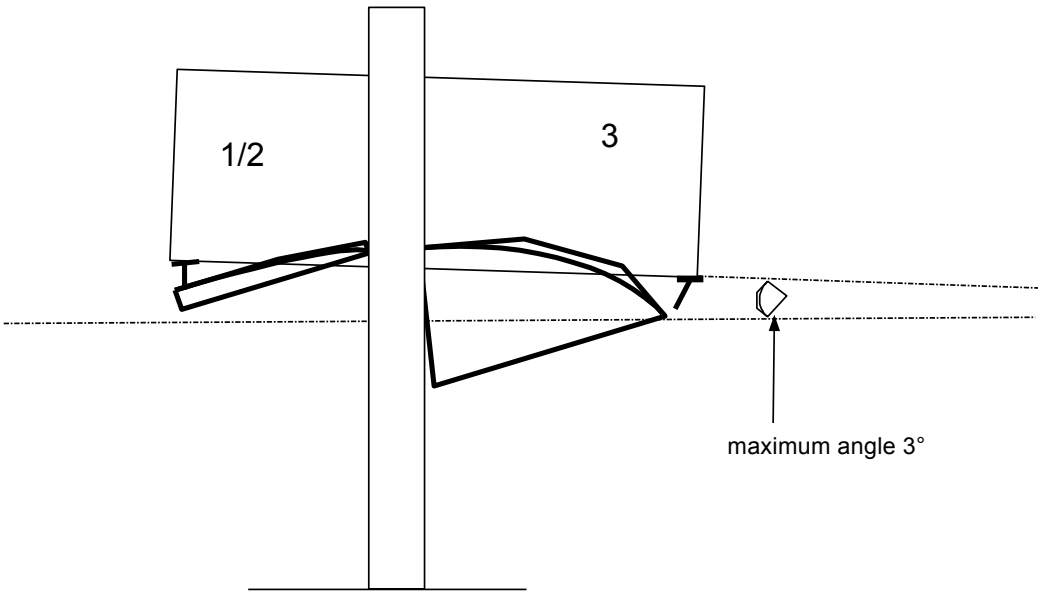
Annex

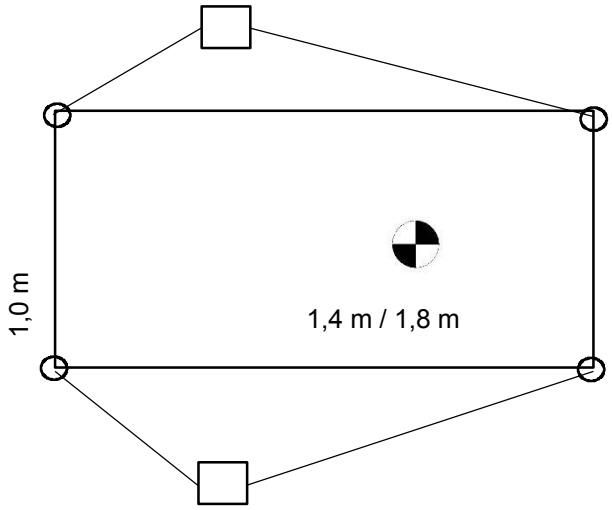
Criteria for carrying out a stress test of a chassis supporting lift with nominal load:

The test shall be performed under the following conditions:

- nominal load as test load
- position of the load carrying points in the dimensions of the load rectangle according 5.7.4.3 a) and b) (100 cm x 140 cm / 100 cm x 180 cm)
- long arms in the maximum extended position
- rated load distributed on the four corners of the rectangle with the load rations 3:2 respectively 3:1
- three times raise and lower the test load
- lift the load and measuring the angel between the level of the load carrying points and the horizontal line

The angle must not exceed 3 degrees.



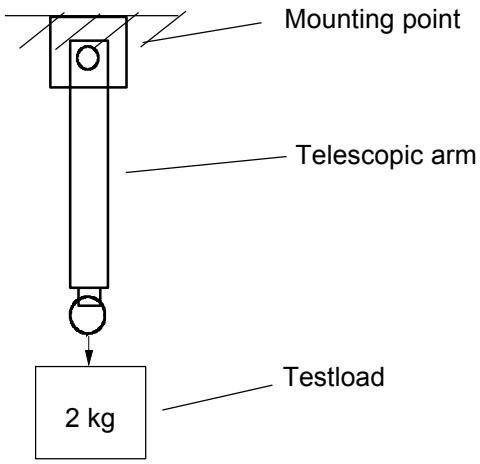


Sketch test set-up

To section 5.9.5
Requirements for the stability of the end stops of telescopic load bearing arms to prevent the arms from falling out

The end stops must be tested in the following manner:
- attachment of the telescopic arm in vertical hanging position
- attach a test load of 2 kg to the fully retracted arm (pick up point)
- pulling the arms three times in the free fall through with the test load
- after the test, the arms are disassembled and a visual check of the end stops is performed

No critical deformation or damage to the end stops shall be recognizable.



Sketch testsetup