

Trabold, Rolf-Juergen

Von: joseph.ratsimihah@inrs.fr
Gesendet: Montag, 27. Februar 2017 16:04
An: Trabold, Rolf-Juergen; Astrid Schewe
Cc: MARTIN Pierre; hubert@eurogip.fr
Betreff: Problems with EN1493:2010 comments to standard committee

Wichtigkeit: Hoch

Dear Rolf TRABOLD

This is the personal observations from the french national insurance for occupational safety and health, based on inspections of vehicle lift in France.

This not an official comment from the french standard comitee.

Some manufacturers don't install automatic mechanical locking device on carrying arms.

5.9.5 Locking systems of carrying arms

Carrying arms shall be equipped with **automatic mechanical locking systems** that prevent the arms from swinging inadvertently and which operate, regardless of load, above the first 300 mm of vertical travel. Vehicle lifts designed to be used over pits or as a wheel free system shall fulfil this requirement throughout the travel of the load carrying device.

If this locking system operates in discrete steps, the step increment at the end of a fully extended arm shall not be greater than the diameter of the pick-up plate.

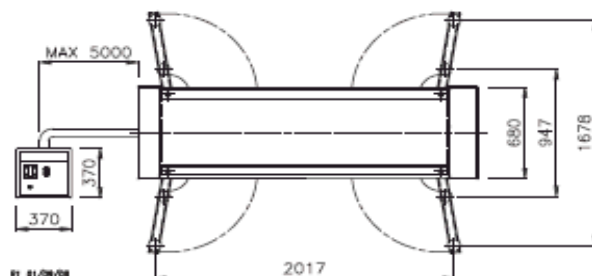
It shall not be possible to fix the arm locks in a disengaged condition above 300 mm of travel.

Arm locking systems shall be designed to resist a force of 4,5 % of the capacity of the lift without permanent deformation, or to resist a force of 6,75 % of the capacity without breakage. The forces used however shall not be less than 1 500 N and 2 250 N respectively. Forces are assumed to act horizontally at the load carrying points, and in the most unfavourable direction, with the arms fully extended.

Comment

Some manufacturers are asking the opinion of notified body .

Others manufacturers say that they are not concerned by this safety device and declare to be in conformity with standard EN 1493.





Our request :

We believe that it is necessary to define the requirements and tests that allow do not install the mechanical locking devices for the manufacturers and for the notified bodies.

Best regards/Cordialement.

Cordialement.

Joseph RATSIMIHAN
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