

Requirements for the test of new Safety Cups

Before new Safety Cups will be tested, the following requirements have to be fulfilled:

- 1** For the test the following is needed
 - a) 3 original samples of Safety Cups
 - b) 1 original strip of 30 cm length to fix the Safety Cups
 - c) a detailed drawing with all
 - dimensions
 - tolerances
 - material characteristics
 - surface treatmenton the base of ISO – standards (Metric System) for the Safety Cup and the strip each.
- 2** Only systems which provide a vertical parallel shifting downwards are admitted (hinge systems are not admitted).

After surpassing the holding resistance the safety part must leave the holding part immediately in a free fall downwards without any further mechanical or other restriction.
- 3** The Safety Cups must have an horizontal shallow holding part
 - a) minimum length 80 mm in pole direction
 - b) material minimum 5 mm thick (in case of steel)
- 4** Springs have to be fatigue – resistant.
- 5** The whole Safety Cup has to be corrosion-resistant.
- 6** Lubrication of moveable parts must be possible.
- 7** In order to avoid accidents Safety Cups and metal strips to hold Safety Cups should not have sharp edges or borders (must be deburred).
- 8** The static release force has to amount to 135 ± 15 daN (popular kg).
- 9** The quality of the product must follow the specification by drawing and must be guaranteed by the supplier for at least one year since delivery to the customer.

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The validity of the FEI-Certificate will expire with **any technical changes** of the tested safety cup (dimensions, specification of material, spring type and material, static release force etc.).

In this case a new test of the safety cup is necessary.

Safety cups without a valid FEI-Certificate can not be used at FEI-named events.

- 10 The safety cups must have a permanent label or identification number so that they can be clearly assigned to the manufacturer.
- 11 The Safety Cup has to prove its quality at least by holding a short test in practice without damage.
- 11 The moving out part with the pole holding shallow must be easy to be removed in its initial position.
- 12 FEI and the ika – Institute do not take any responsibility for patent, trade mark or other questions.
- 13 With the Certificate FEI only approves the actual function of the tested samples.
- 14 The supplier has to guarantee the function of the Safety Cups within the range of temperatures between 10° C and 35° C for at least one year since delivery to the customer.
- 15 Samples or any other material will not be sent back to the suppliers after the test.
- 16 The technical system of the proposed Safety Cups must make sure that any manipulation will be excluded.
- 17 Only Safety Cups which allow a use both sides of the obstacle with an identical function will be accepted.
- 18 In case of any doubts concerning the technical function, reliability or other questions FEI reserves the right of refusing the test.