
Results for the “Zeus/Andes helmet”:
Spread your Wings., Flower power , Liljen., Clasic, Star, Flame,

EN 1078,

Section 4.2, Construction; “The helmet shall be so designed and shaped that parts of it are not likely to injure the user in normal use.”

SP comment: -

Section 4.4, Shock absorbing capacity; ”..the peak acceleration shall not exceed 250 g...”

Tested on headform H50.

Result, NOK for the test on the crown (top) of the helmet onto the Flat anvil (338 g) and for impact of the side of the helmet onto the Kerbstone anvil the result was OK, 142 g.

Section 4.6.5, Retention system, Strength; ”...the dynamic extension of the retention system shall not exceed 35 mm and the residual extension shall not exceed 25 mm.”

Result, OK. Dynamic extension, 28 mm and residual extension, 15 mm.

Section 4.6.6, Effectiveness; “...the helmet shall not come off the headform.”

Tested on headform H50.

Result, OK. Note, the straps slid in the Y-part and one of the Y-part buckles broke.

Section 4.6.7, Ease of release; “... it shall be possible to open the release system with one hand.”
(after the Strength test)

Result, OK.

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