§ 572.15  General description.

(a) The dummy consists of the component assemblies specified in drawing SA 103C 001, which are described in their entirety by means of approximately 122 drawings and specifications...
§ 572.16 Head.

(a) The head consists of the assembly designated as SA 103C 010 on drawing No. SA 103C 001, and conforms to either—

(1) Each item specified on drawing SA 103C 002(B), sheet 8; or

(2) Each item specified on drawing SA 103C 002, sheet 8.

(b) When the head is impacted by a test probe specified in § 572.21(a)(1) at 7 fps, then the peak resultant acceleration measured at the location of the accelerometer mounted in the headform according to § 572.21(b) is not less than 95g and not more than 118g.

(1) The recorded acceleration-time curve for this test is unimodal at or above the 50g level, and lies at or above that level for intervals:

(i) In the case of the head assembly specified in paragraph (a)(1) of this section, not less than 1.3 milliseconds and not more than 2.0 milliseconds;

(ii) In the case of the head assembly specified in paragraph (a)(2) of this section, not less than 2.0 milliseconds and not more than 3.0 milliseconds.

(2) The lateral acceleration vector does not exceed 7g.

(c) Test procedure. (1) Seat the dummy on a seating surface having a back support as specified in § 572.21(h) and orient the dummy in accordance with § 572.21(h) and adjust the joints of the limbs at any setting between 1g and 2g, which just supports the limbs' weight when the limbs are extended horizontally forward.

(e) The structural properties of the dummy are such that the dummy conforms to this part in every respect both before and after being used in vehicle tests specified in Standard No. 213 of this chapter (§ 571.213).

(f) The patterns of all cast and molded parts for reproduction of the molds needed in manufacturing of the dummies can be obtained on a loan basis by manufacturers of the test dummies, or others if need is shown, from: Office of Vehicle Safety Standards, National Highway Traffic Safety Administration, 400 Seventh Street SW., Washington, DC 20590.

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§ 572.16 Head.

(a) The head consists of the assembly designated as SA 103C 010 on drawing No. SA 103C 001, and conforms to either—

(1) Each item specified on drawing SA 103C 002(B), sheet 8; or

(2) Each item specified on drawing SA 103C 002, sheet 8.

(b) When the head is impacted by a test probe specified in § 572.21(a)(1) at 7 fps, then the peak resultant acceleration measured at the location of the accelerometer mounted in the headform according to § 572.21(b) is not less than 95g and not more than 118g.

(1) The recorded acceleration-time curve for this test is unimodal at or above the 50g level, and lies at or above that level for intervals:

(i) In the case of the head assembly specified in paragraph (a)(1) of this section, not less than 1.3 milliseconds and not more than 2.0 milliseconds;

(ii) In the case of the head assembly specified in paragraph (a)(2) of this section, not less than 2.0 milliseconds and not more than 3.0 milliseconds.

(2) The lateral acceleration vector does not exceed 7g.

(c) Test procedure. (1) Seat the dummy on a seating surface having a back support as specified in § 572.21(h) and orient the dummy in accordance with § 572.21(h) and adjust the joints of the limbs at any setting between 1g and 2g, which just supports the limbs' weight when the limbs are extended horizontally forward.

(e) The structural properties of the dummy are such that the dummy conforms to this part in every respect both before and after being used in vehicle tests specified in Standard No. 213 of this chapter (§ 571.213).

(f) The patterns of all cast and molded parts for reproduction of the molds needed in manufacturing of the dummies can be obtained on a loan basis by manufacturers of the test dummies, or others if need is shown, from: Office of Vehicle Safety Standards, National Highway Traffic Safety Administration, 400 Seventh Street SW., Washington, DC 20590.

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