

Modifications to ECE/TRANS/WP.29/GRSP/2025/5*

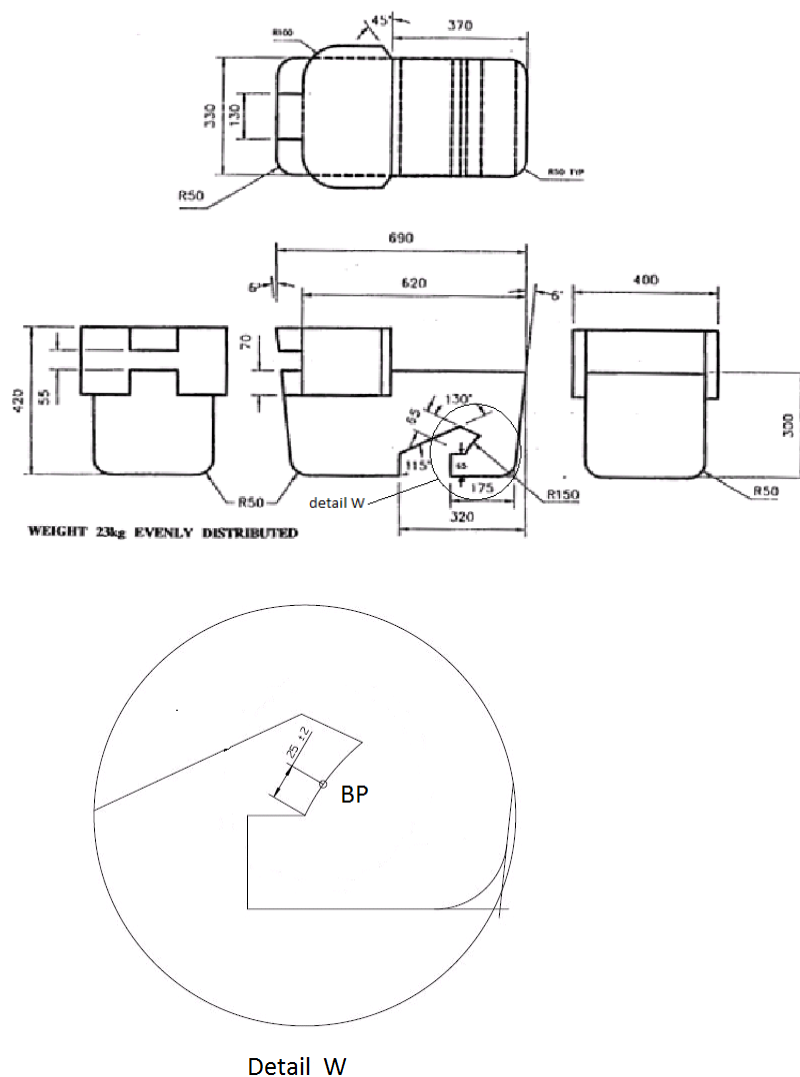
The text reproduced below was prepared by members of the Technical Services Group and is presented on their behalf by the expert from the Kingdom of the Netherlands to update the captions underneath multiple International Organization for Standardization (ISO) envelope drawings in appendix 2 to annex 6, including adding references to UN Regulation No. 129. It is based on informal document GRSP-76-17 (see also paragraph 12 of ECE/TRANS/WP.29/GRSP/76). Amendments to the current text of UN Regulation No. 173 are marked in bold underlined for new or strikethrough for deleted characters. The modifications to working document ECE/TRANS/WP.29/GRSP/2025/5 are marked in blue.

I. Proposal

Annex 6, appendix 1, Figures 1 to 3, amend to read:

"Figure 1

Specifications of the fixture (all dimensions in mm)



* Proposal for supplement 1 to the 01 series of amendments to UN Regulation No. 173
(Installation of occupant restraint systems)

Figure 2
Installation of fixture onto vehicle seat
(see paragraph 2.6.1.)

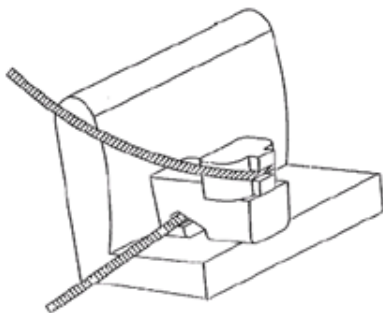
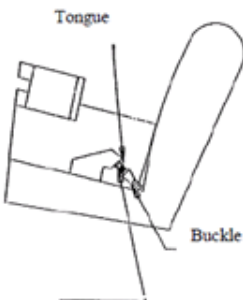


Figure 3
Check for compatibility
(see paragraphs 2.6.1. and 3.2)



Lap belt only shown

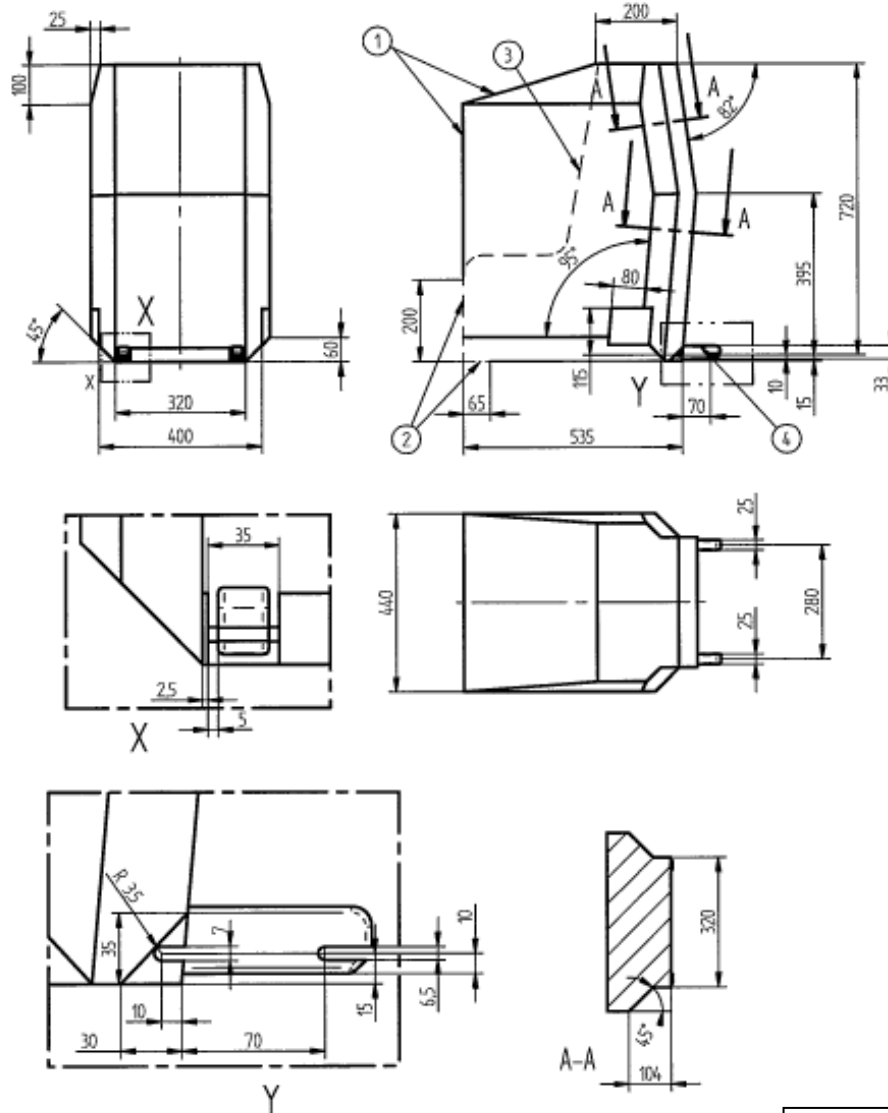
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Annex 6, appendix 2, paragraphs 4.1. to 4.7., amend to read:

“4.1. Full-height forward-facing toddler child restraint systems envelope

1- Figure 1

**ISO/F3 envelope dimensions for a full-height forward-facing toddler CRS
(height 720 mm) ISOFIX SIZE CLASS A**



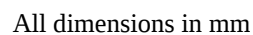
All dimensions in mm

Key:

- 1 Limits in the forward and upwards directions
- 2 Dashed line marks area where a support leg, or similar, of a specific vehicle CRS is allowed to protrude.
- 3 N/A
- 4 Further specifications of the connector area are given in UN Regulation No. 44/UN Regulation No. 129

2. Figure 2

ISO/F2 envelope dimensions for a reduced-height forward-facing toddler CRS, (height 650 mm) – ISOFIX SIZE CLASS B



1 Limits in the forward and upwards directions

2 Dashed line marks area where a support leg, ~~or similar~~, of a specific vehicle CRS is allowed to protrude

3 N/A

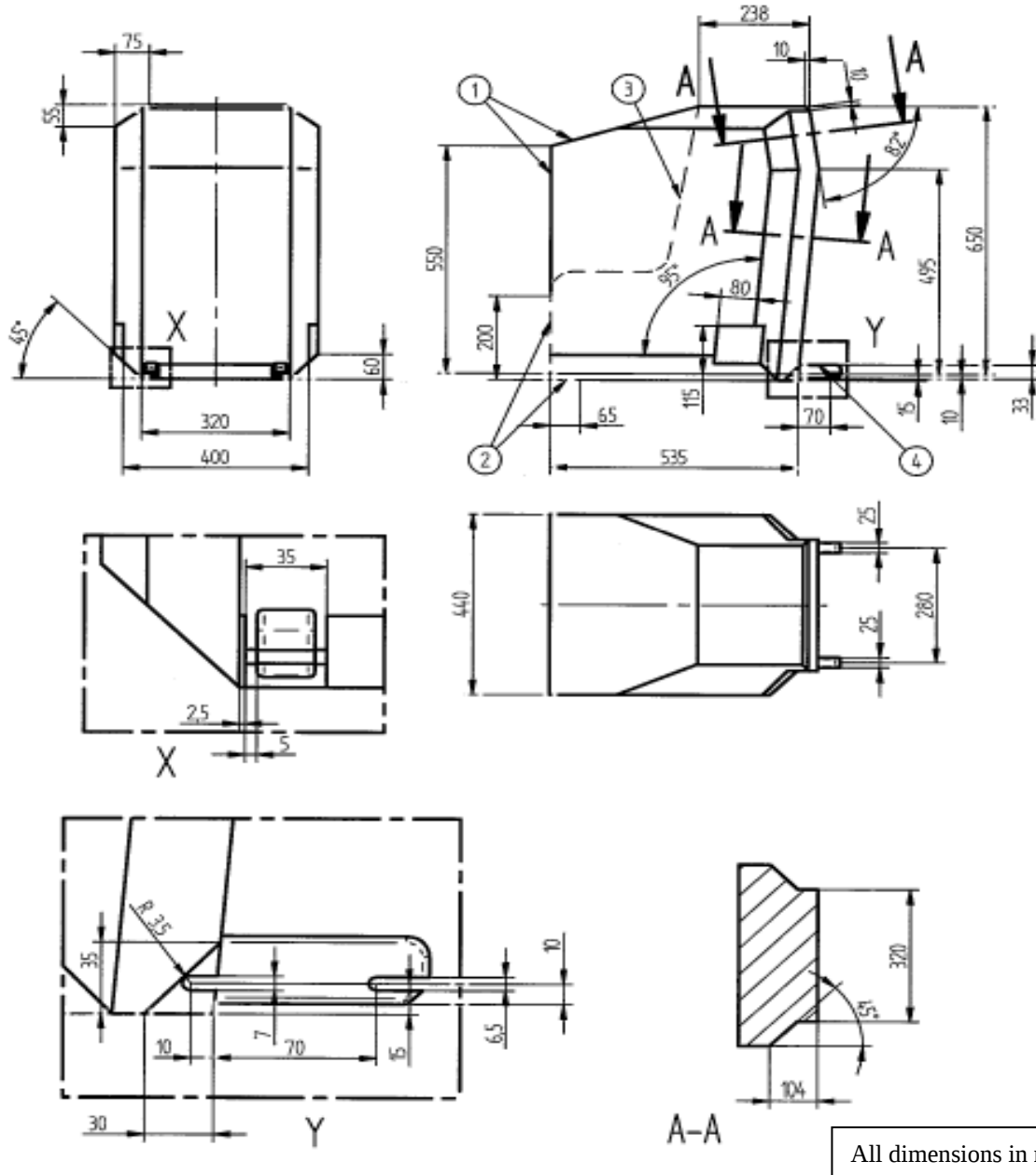
4 Further specifications of the connector area are given in UN Regulation No. 44/**UN Regulation No. 129**

5 Attachment point for the top tether strap

- 4.3. Reduced-height second version back shape forward-facing toddler child restraint systems envelope

3. Figure 3

ISO/F2X envelope dimensions for a reduced-height second version back surface shape forward-facing toddler CRS, (height 650 mm) – ISOFIX SIZE CLASS B1

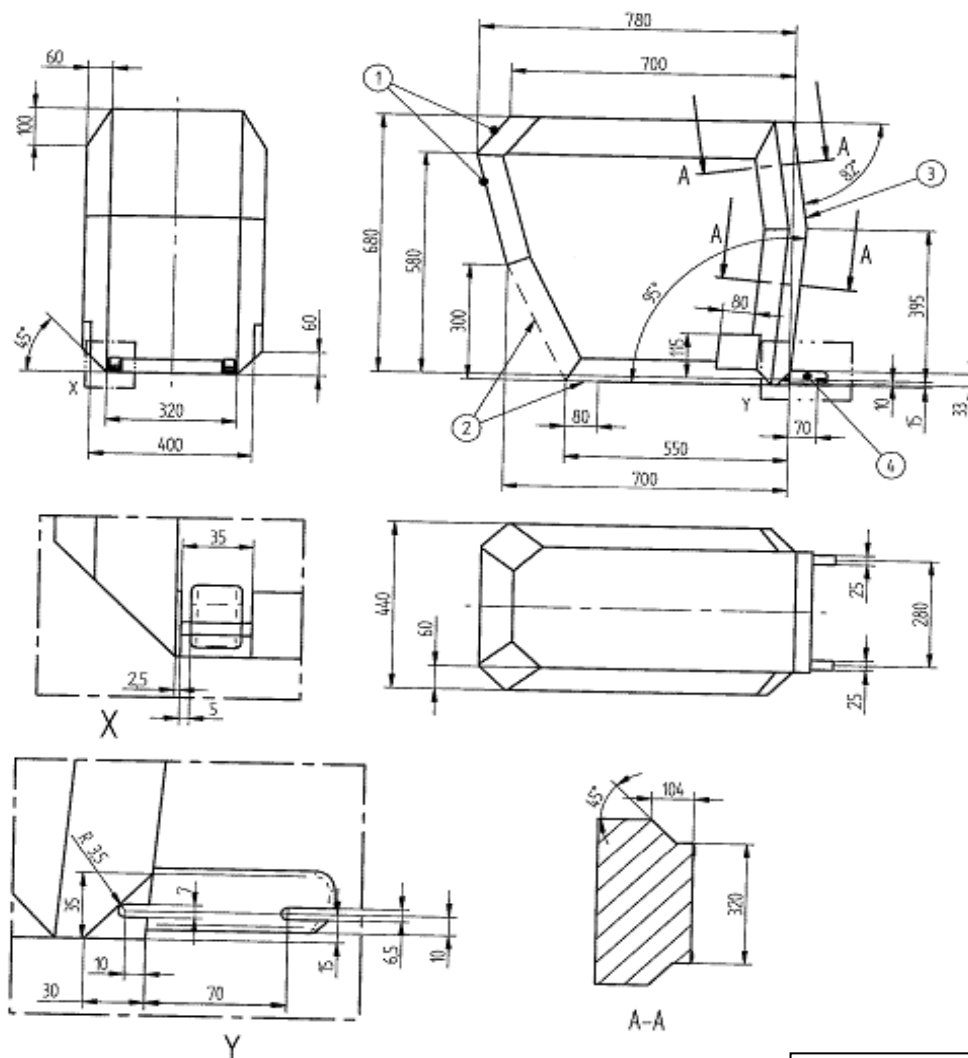


All dimensions in mm

- #### 4.4. Full-size rearward facing toddler child restraint system envelope

4. Figure 4

**ISO/R3 envelope dimensions for a full-size rearward-facing toddler
CRS ISOFIX SIZE CLASS C**



All dimensions in mm

Key:

- 1 Limits in the rearward and upwards directions
- 2 Dashed line marks area where a support leg, or similar, of a specific vehicle CRS is allowed to protrude
- 3 The backwards limitation (to the right in the figure) is given by the forward-facing envelope in Figure 2
- 4 Further specifications of the connector area are given in UN Regulation No. 44/UN Regulation No. 129

- ISO/R2 envelope dimensions for a reduced-size rearward-facing toddler
CRS ISOFIX SIZE CLASS D**

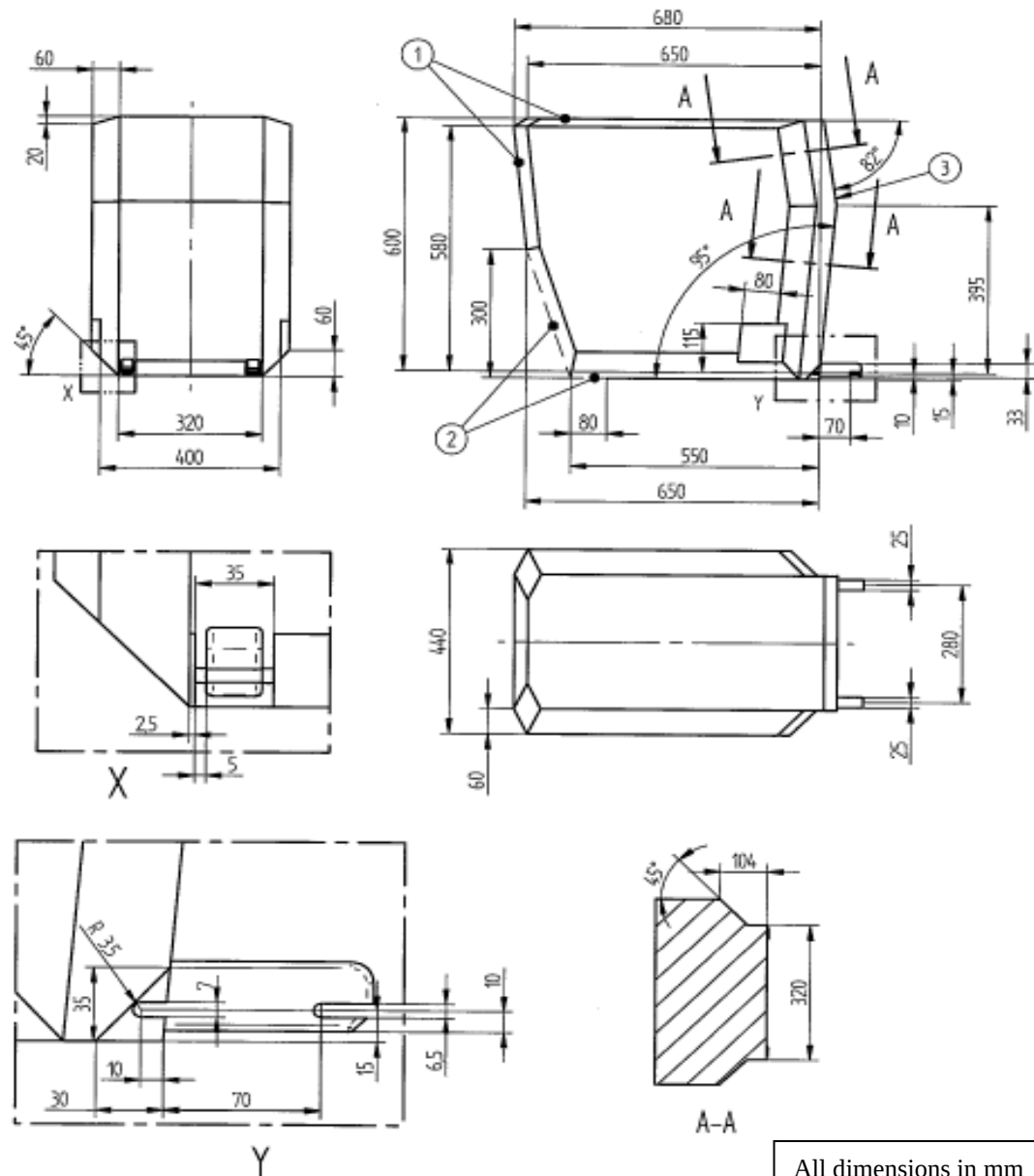


- 1 Limits in the rearward and upwards directions
- 2 Dashed line marks area where a support leg, ~~or similar, of a specific vehicle CRS~~ is allowed to protrude
- 3 The backwards limitation (to the right in the figure) is given by the forward-facing envelope in Figure 2
- 4 Further specifications of the connector area are given in UN Regulation No. 44/UN **Regulation No. 129**

4.6. Rearward facing infant child restraint systems envelope

6. Figure 6

**ISO/R1 envelope dimensions for an infant-size rearward-facing CRS
ISOFIX SIZE CLASS E**



All dimensions in mm

Key:

- 1 Limits in the rearward and upwards directions
- 2 Dashed line marks area where a support leg, or similar, of a specific vehicle CRS is allowed to protrude
- 3 The backwards limitation (to the right in the figure) is given by the forward-facing envelope in Figure 2
- 4 Further specifications of the connector area are given in UN Regulation No. 44/UN Regulation No. 129

Figure 7

Technical drawing of the 1000 Series LED light fixture, showing front, side, and top views with dimensions in mm and degrees.

Front View (Top Left):

- Overall height: 650 mm
- Top section height: 70 mm
- Main body height: 395 mm
- Bottom section height: 115 mm
- Top width: 60 mm
- Bottom width: 60 mm
- Internal width: 245 mm
- Internal width: 320 mm
- Internal width: 400 mm
- Internal width: 440 mm
- Angle: 88°
- Angle: 45°
- Angle: $40,6^\circ$
- Angle: 22°

Side View (Top Middle):

- Overall width: 745 mm
- Overall depth: 663 mm
- Overall height: 995 mm
- Top section height: 307 mm
- Main body height: 395 mm
- Bottom section height: 495 mm
- Internal width: 570 mm
- Internal width: 251 mm
- Internal width: 151 mm
- Internal width: 80 mm
- Angle: 88°
- Angle: 82°

Top View (Top Right):

- Overall width: 320 mm
- Overall depth: 595 mm
- Internal width: 359 mm
- Internal width: 246 mm
- Internal width: 45 mm
- Internal width: 320 mm
- Internal width: 545 mm
- Internal width: 995 mm
- Angle: 45°
- Angle: $40,6^\circ$
- Angle: 22°

Front View (Bottom Left):

- Overall height: 440 mm
- Overall width: 200 mm
- Internal width: 113 mm
- Internal width: 25 mm
- Internal width: 280 mm
- Internal width: 25 mm

Side View (Bottom Middle):

- Overall width: 320 mm
- Overall depth: 595 mm
- Internal width: 359 mm
- Internal width: 246 mm
- Internal width: 45 mm
- Internal width: 320 mm
- Internal width: 545 mm
- Internal width: 995 mm
- Angle: 45°
- Angle: $40,6^\circ$
- Angle: 22°

Top View (Bottom Right):

- Overall width: 320 mm
- Overall depth: 595 mm
- Internal width: 359 mm
- Internal width: 246 mm
- Internal width: 45 mm
- Internal width: 320 mm
- Internal width: 545 mm
- Internal width: 995 mm
- Angle: 45°
- Angle: $40,6^\circ$
- Angle: 22°

Key

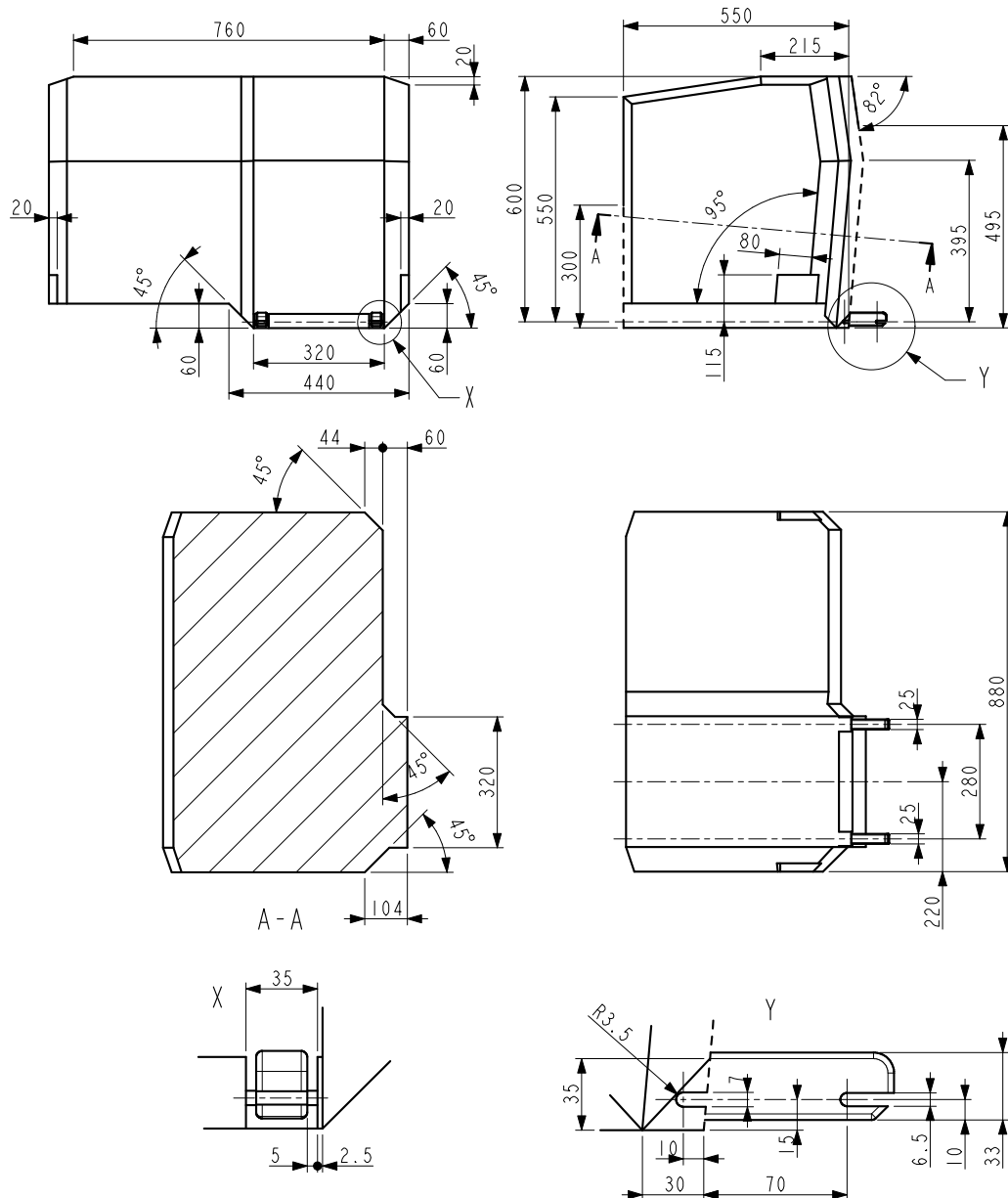
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4.8. Lateral facing child restraint systems envelope

Figure 8

Envelope dimensions for lateral facing position CRS - ISO/L1- or symmetrically opposite - ISO/L2 (figure shown)

Note: The envelope for a left lateral-facing infant CRS (ISO/L1) has dimensions symmetric to ISO/L2 with regard to its intermediate longitudinal plan.



(all dimensions in mm)

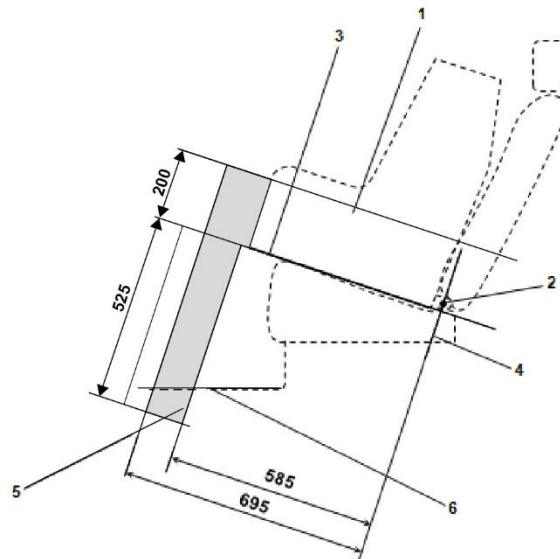
Key

- 1 Limits in the rearward and upward directions
- 2 Dashed lines mark the area where an anti-rotation device, or similar (e.g. rebound bar), is allowed to protrude
- 3 The backward limitation (to the right in the figure) is given by the forward facing envelope in Figure 2
- 43 For further specifications of the connector area, see UN Regulation No. 44/UN Regulation No. 129

4.9. i-Size support leg

7.—Figure 9

Side view of the i-Size support leg installation assessment volume for assessing compatibility of the i-Size seating positions with support legs of i-Size child restraint systems



All dimensions in mm

Key:

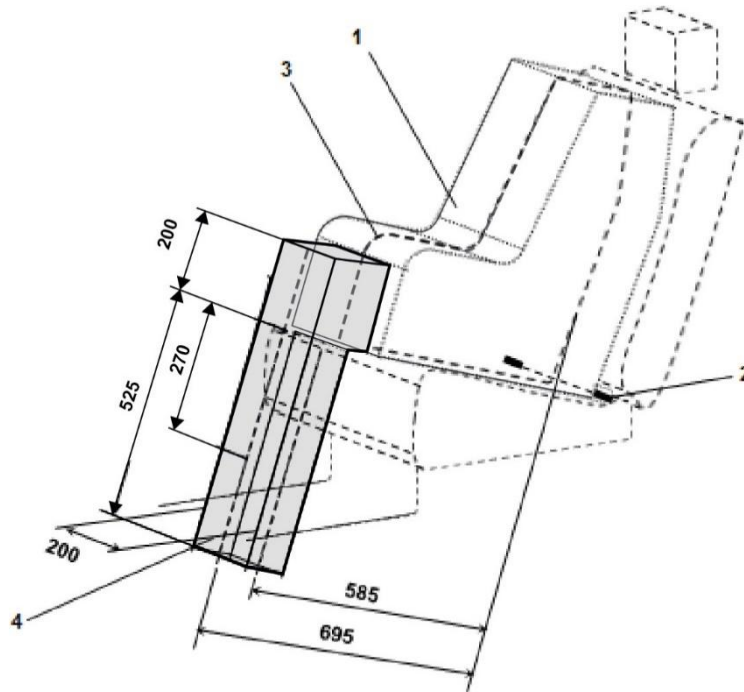
1. Child Restraint Fixture (CRF).
2. ISOFIX low anchorages bar.
3. Plane formed by the bottom surface of the CRF when installed in the designated seating position.
4. Plane passing through the lower anchorage bar and oriented perpendicular to the median longitudinal plane of the CRF and perpendicular to the plane formed by the bottom surface of the CRF when installed in the designated seating position.
5. i-Size support leg installation assessment volume representing the geometrical boundaries for an i-Size ISOFIX child restraint system support leg.
6. Vehicle floor.

Note: Drawing not to scale.

4.10. i-Size support leg installation assessment volume

8.—Figure 10

3D view of the i-Size support leg installation assessment volume for assessing compatibility of the i-Size seating positions with support legs of i-Size child restraint systems



(all dimensions in **mm**)

Key:

1. Child Restraint Fixture (CRF).
2. ISOFIX low anchorages bar.
3. Median longitudinal plane of the CRF.
4. i-Size support leg installation assessment volume.

Note: Drawing not to scale.”

II. Justification

1. Removal of the wording “specific vehicle” since the type of child restraint is defined in the respective regulation. With the present wording a conflict exists.
2. Addition of a reference to UN Regulation No. 129 since the details of the ISOFIX anchors are also given in UN Regulation No. 129.
3. Removal of incorrect wording in paragraph 4.7.
4. Figure 1 in Annex 6, Appendix 1, was originally introduced as Figure 1 in Annex 17, Appendix 1 of UN Regulation No. 16, by supplement 8 to the 06 series of amendments (revision 8, amendment 3). In the consolidated revision 10 of UN Regulation No. 16, an error was introduced in Figure 1, where the label “Detail W” was missing and the text: “Detail 1 to Figure 1” got shifted to below Figure 2. This error then persistently remained and got copied into the new UN Regulation No. 173.

By including the original figures again, this has now been corrected.