

ATA CHAPTER

25 20 00



CRS Child Restraint System



Child Restraint System • In aftward facing position for infants up to approximately one year

The safe transport of children in passenger aircraft is a high priority for parents, airlines and airworthiness authorities.

Before coming to market the Innovint Child Restraint System had been in development for several years. In this time our 35-years experience of working in the aircraft interiors field provided dividends. The Child Restraint System seat is approved by EASA TSO according to the national standard LBA-NTS-1 and corresponds to the Aerospace Standard SAE AS5276/1 and the TSO-C100b by the FAA.

The flexible utilisation is a bonus for airlines. The Innovint child's seat is simple to use. With the help of the normal passenger lap belt the seat can be secured to all common aircraft seats. Not in use it folds together into an easily stowed size.

In accordance with general transport regulations babies weighing up to 10 kg must be secured facing against the flight direction. Children up to 25 kg are secured facing the flight direction. Fastening is similar to that found in a car by means of a 5-point-harness, within seconds a baby seat can be transformed into a child's seat.

- Approved according to National Technical Standard LBA-NTS-1, EASA TSO approval
- EASA/FAR chapter 25, 23 as applicable
- ECE-R 44, uniform provisions concerning the approval of CRS, as applicable
- Corresponds to:
SAE Aerospace Standard AS5276/1 performance standard for CRS in transport category airplanes and FAA TSO-C100b



Child Restraint System • In forward facing position for toddler up to 6 years

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Dynamic testing

The dynamic testing has been carried out according to EASA/FAR 25.562 and the SAE Aerospace Standard AS 8049 Rev. A.

Pass fail criteria were selected specific to CRS testing combined with ECE-R 44 pass fail criteria

Ultimate design load

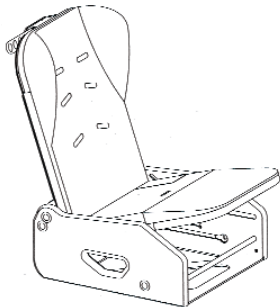
The child restraint system has been tested using a combination of max. inflight loads and the emergency landing conditions according to EASA/FAR 25.561



CRS – Child Restraint System • 16g dynamic test SAE AS 8049 with CRS FWD–Installation

AFT - INSTALLATION

For infants up to one year



Length: 685 mm 27.0 in
 Width: 404 mm 15.9 in
 Height: 540 mm 21.3 in

Child max weight: 10 kg 22.0 lbs

FOLDED DIMENSIONS



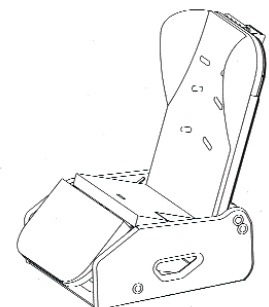
Folded dimensions

Length: 554 mm 21.8 in
 Width: 404 mm 15.9 in
 Height: 193 mm 7.6 in

Weight: 11 kg 24.2 lbs

FWD - INSTALLATION

For toddlers up to six years



Length: 614 mm 24.2 in
 Width: 404 mm 15.9 in
 Height: 597 mm 23.5 in

Child max weight: 25 kg 55.0 lbs

WORLDWIDE PATENT PENDING

SUBJECT TO ALTERATIONS