

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1713

RESTRAINING DEVICES
FOR CHILDREN IN MOTOR VEHICLES

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 1713, *Restraining devices for children in motor vehicles*, was drawn up by Technical Committee ISO/TC 94, *Personal safety – Protective clothing and equipment*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1713, which was circulated to all the ISO Member Bodies for enquiry in October 1968. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Italy	Thailand
Austria	Japan	Turkey
Belgium	New Zealand	U.A.R.
Chile	Portugal	United Kingdom
Germany	Romania	U.S.A.
Greece	South Africa, Rep. of	U.S.S.R.
Hungary	Spain	
Israel	Switzerland	

The following Member Bodies opposed the approval of the Draft :

Netherlands
Norway
Sweden

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

RESTRAINING DEVICES FOR CHILDREN IN MOTOR VEHICLES

INTRODUCTION

The success of the seat belt as a restraining device for adults in motor accidents has led to the devising of similar protection for young children travelling in motor vehicles.

The age/weight range considered is for children weighing not more than 22.5 kg (50 lb) and capable of sitting upright unaided, i.e. children aged from approximately 8 months to approximately 6 years.

For the efficient operation of a child restraining device in an accident it is essential to restrict the forward movement of the vehicle seat.

Attention is drawn to the fact that there is less risk of injury to children when travelling in a back seat of a vehicle.

1. SCOPE

- 1.1 This ISO Recommendation lays down the requirements and test methods for restraining devices for child occupants of motor vehicles, designed to minimize the risk of bodily harm in an accident.
- 1.2 Manufacturing requirements are specified for the materials used and for the finish of buckles and metal parts. The tests specified are restricted to the determination of the suitability of a belt or assembly and of its components.
- 1.3 This ISO Recommendation does not cover requirements for the parts of a vehicle to which restraining devices are anchored.
- 1.4 Three types of device are covered, each type capable of restraining children of up to 22.5 kg (50 lb) in weight and who are capable of sitting upright unaided.

The types are as follows :

- (1) a combined vehicle seat and child restraining device;
- (2) a vehicle seat restraining device and separate child restraining device supplied together. This could have
 - (a) common anchorage points for both devices;
 - (b) separate anchorage points for each device;
 - (c) the child restraining device attached to the separately restrained vehicle seat;
- (3) a child restraining device when an adult seat belt is to be used for restraining the vehicle seat.

To ensure that the child restraining device is not used with the wrong vehicle seat anchorage or without seat anchorage, each type should be so designed that the anchorage attachments of the devices are not interchangeable between types, and types 2 and 3 are incapable of being legitimately used as a child restraining device without also using the appropriate seat restraining device.

The vehicle seat restraining device should, in all instances, effectively restrain the seat back and also the base of a seat with a hinged base.