

Road vehicles — Pedestrian protection — Child head impact test method

ICS 43.020

National foreword

This British Standard is the UK implementation of ISO 16850:2007+A1:2013. It supersedes BS ISO 16850:2007, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/15, Safety related to vehicles.

A list of organizations represented on this committee can be obtained on request to its secretary.

The publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2007

© The British Standards Institution 2013.
Published by BSI Standards Limited 2013

ISBN 978 0 580 74735 9

Amendments/corrigenda issued since publication

Date	Comments
31 May 2013	Implementation of ISO amendment 1:2013: first sentence of the Scope modified and Annex C removed

INTERNATIONAL STANDARD

**ISO
16850**

First edition
2007-07-01

Road vehicles — Pedestrian protection — Child head impact test method

*Véhicules routiers — Protection des piétons — Méthode d'essai de
choc de la tête d'un enfant*



Reference number
ISO 16850:2007(E)

AVA Documents
Document Sharing Hub

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	1
4 Test equipment	4
4.1 Impact test site.....	4
4.2 Head form impactor	4
5 Requirements	4
5.1 Head form impactor	4
5.2 Impact area	4
5.3 Impact angle for child head form impactor.....	4
5.4 Child head form impactor calibration	4
5.5 Propulsion of child head form impactor.....	5
5.6 Temperature conditions	5
5.7 Rear face of child head impactor	5
6 Preparation of test vehicle.....	5
7 Test conditions	6
7.1 Atmospheric conditions.....	6
7.2 Impact angle and impact velocity	6
7.3 Impact points.....	6
8 Recording of test results	6
8.1 Child head form impactor data	6
Annex A (informative) Resolution 65 of ISO/TC22/SC10/WG2.....	7
Annex B (normative) Calibration method for child head form impactor	8
Bibliography	10

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16850 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 10, *Impact test procedures*.