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# INTERNATIONAL STANDARD 3784

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Road vehicles — Measurement of impact velocity in collision tests

*Véhicules routiers — Mesure de la vitesse d'impact dans les essais de collision*

First edition — 1976-07-01

Sample Document

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## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3784 was drawn up by Technical Committee ISO/TC 22, *Road vehicles*, and circulated to the Member Bodies in May 1975.

It has been approved by the Member Bodies of the following countries :

|                |                       |                |
|----------------|-----------------------|----------------|
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| Austria        | Hungary               | Sweden         |
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No Member Body expressed disapproval of the document.

# Road vehicles — Measurement of impact velocity in collision tests

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard lays down the accuracy of measurement of the impact velocity in collision tests on road vehicles. In addition, some typical methods suitable for the measurement of this impact velocity are described in the annex. These methods are intended to facilitate the comparison of data obtained in similar tests by different laboratories.

## 2 PERFORMANCE

2.1 The accuracy of velocity measurement shall be  $\pm 1\%$ .

2.2 The impact velocity measurement shall be made within 0,2 s prior to impact.

## 3 METHODS OF MEASUREMENT

Typical methods for measuring impact velocity are described in the annex. Other methods may be used provided they meet the requirements of 2.1 and 2.2.