



**International  
Standard**

**ISO 2958**

**Road vehicles — Exterior protection  
for passenger cars**

*Véhicules routiers — Protection extérieure des voitures  
particulières*

**Second edition  
2024-07**

iTeh Standards  
(<https://standards.itih.ai>)  
Document Preview

[ISO 2958:2024](https://standards.itih.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024)

<https://standards.itih.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024>

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[ISO 2958:2024](https://standards.iteh.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024)

<https://standards.iteh.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Test condition</b> .....	<b>3</b>
4.1 Test site.....	3
4.2 Vehicle status.....	3
4.3 Impactor.....	4
4.4 Propulsion of the impactor.....	4
4.5 Special provisions applicable where a pendulum used.....	4
4.6 Special provisions applicable where a moving barrier used.....	4
<b>5 Test method</b> .....	<b>4</b>
5.1 Longitudinal-impact test.....	4
5.2 Corner-impact test.....	5
<b>6 Conditions of repair and replacement</b> .....	<b>5</b>
<b>7 Requirements</b> .....	<b>5</b>

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[ISO 2958:2024](https://standards.iteh.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024)

<https://standards.iteh.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024>

## 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

This second edition cancels and replaces the first edition (ISO 2958:1973), which has been technically revised.

The main changes are as follows:

- added the definition of protective devices;
- modified the definition of the vehicle corner and added [Figure 2](#);
- added requirements for front and rear protective devices and their covered structures;
- added requirements for cameras and sensors installed on the front and rear protective device.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

This document was developed to define a general test for exterior protection for passenger cars. This document mainly revises ISO 2958:1973. With the advancement of technology, emerging components such as sensors, radars and cameras have been equipped with front- and rear-end protection devices for automobiles, which have caused significant changes in the car body structure and have put forward higher technical requirements for the front- and rear-end protection devices. At present, the concept and structure of the bumper device is significantly different to 1973. Therefore, this document extends the definition of the bumper and related technical requirements.

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[ISO 2958:2024](https://standards.iteh.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024)

<https://standards.iteh.ai/catalog/standards/iso/cae86d52-d576-41c0-85f2-dadfb94492f9/iso-2958-2024>

