

This is a preview of "ISO 6425:2018". [Click here to purchase the full version from the ANSI store.](#)

Fourth edition  
2018-10

---

---

## Horology — Divers' watches

*Horlogerie — Montres de plongée*



Reference number  
ISO 6425:2018(E)

© ISO 2018



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

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  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 6425:2018". [Click here to purchase the full version from the ANSI store.](#)

## 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 methods and requirements</b> .....	<b>2</b>
4.1 General.....	2
4.1.1 Temperature.....	2
4.1.2 Visual checking.....	2
4.1.3 Tested product configuration.....	2
4.1.4 Practical meaning.....	2
4.1.5 Diving time indicator.....	2
4.1.6 Type testing and 100 % single watch testing.....	3
4.2 Visibility.....	3
4.2.1 In the light.....	3
4.2.2 In the dark.....	3
4.3 Magnetic resistance properties.....	3
4.4 Temperature cycling.....	3
4.5 Salt spray test (with bracelet).....	4
4.6 Shock-resistance properties (on watch head).....	4
4.7 Water-resistance.....	4
4.7.1 Functional devices in shallow water.....	4
4.7.2 Resistance when strain is applied to crown and other setting devices.....	5
4.7.3 Functional devices at a water overpressure.....	5
4.7.4 Resistance at a water overpressure.....	6
4.8 Shock-resistance properties (free-fall).....	6
4.9 Resistance of attachments.....	6
4.10 Condensation test.....	7
<b>5 Marking</b> .....	<b>7</b>
<b>6 Usage and maintenance recommendations</b> .....	<b>7</b>
<b>Annex A (normative) Divers' watches for saturation diving</b> .....	<b>8</b>
<b>Annex B (informative) Air-resistance at an air overpressure</b> .....	<b>9</b>
<b>Annex C (informative) Diving chart</b> .....	<b>10</b>
<b>Annex D (informative) Usage and maintenance recommendations</b> .....	<b>11</b>
<b>Bibliography</b> .....	<b>12</b>

This is a preview of "ISO 6425:2018". [Click here to purchase the full version from the ANSI store.](#)

## 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 documents 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)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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

For an explanation on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 114, Horology, Subcommittee SC 3, Water-resistant watches.

This fourth edition of ISO 6425 cancels and replaces the third edition (ISO 6425:1996) which has been technically revised.

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).

This is a preview of "ISO 6425:2018". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

This document has been drawn up to meet a global demand for specifications for divers' watches. It is a reference and clarifies the terms used, defines the criteria to be met by the product and specifies the marking which may appear on them.

It also stipulates the tests to be applied in homologation by the manufacturer and at the production stage to demonstrate that the manufacturer's products satisfy this document.

The manufacturer is responsible for stating whether a specific activity falls within the field of use of a particular watch. Similarly, it defines the warranty conditions and the precautions to be taken to maintain the quality of the watch over an extended period of time.