

INTERNATIONAL  
STANDARD

ISO  
21711

First edition  
2019-04

---

---

**Marine structures — Mobile offshore  
units — Chain wheels**

*Structures maritimes — Unités mobiles au large — Pignons à chaîne*



Reference number  
ISO 21711:2019(E)

© ISO 2019



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2019

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

# Contents

	Page
<b>Foreword</b> .....	<b>iv</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 Classification</b> .....	<b>2</b>
4.1 Types of the chain wheels .....	2
4.2 Designation .....	7
<b>5 Requirements</b> .....	<b>7</b>
5.1 Geometric tolerance and dimensional tolerance .....	7
5.2 Materials .....	8
<b>6 Inspection</b> .....	<b>8</b>
6.1 Dimensional and geometric inspection .....	8
6.2 Visual inspection for surface quality .....	8
6.3 Inspection of tooth surface hardness .....	8
6.4 Material inspection .....	8
<b>Bibliography</b> .....	<b>9</b>