

# INTERNATIONAL STANDARD

**ISO**  
**13929**

First edition  
2001-01-15

---

---

## **Small craft — Steering gear — Geared link systems**

*Petits navires — Appareils à gouverner — Transmissions à engrenages*



Reference number  
ISO 13929:2001(E)

© ISO 2001

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 2001

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.ch](mailto:copyright@iso.ch)  
Web [www.iso.ch](http://www.iso.ch)

Printed in Switzerland

## 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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 13929 was prepared by Technical Committee ISO/TC 188, *Small craft*.

This document is a preview generated by EVS

## Small craft — Steering gear — Geared link systems

### 1 Scope

This International Standard specifies the minimum level of requirements for construction, operation and installation of geared link steering systems on all types of small craft of hull length up to 24 m.

It excludes steering systems covered by ISO 8848 and ISO 9775.

### 2 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

#### 2.1

##### **geared link system**

system in which rotation of the steering wheel positions the rudder blade by means of gearboxes, which converts the rotary motion to a push/pull force on the rudder operating lever, via a draglink assembly

#### 2.2

##### **draglink**

component linking the rack operating lever to the rudder operating lever, which transmits the push and pull forces and allows rotational and angular misalignment

#### 2.3

##### **rudder operating lever**

component fixed to the rudder, transmitting the torque to the rudder shaft from the steering system

#### 2.4

##### **rack operating lever**

component fixed to the shaft of a steering system which rotates in relationship to movement of the steering wheel and achieves a corresponding movement of the rudder operating lever via the draglink

#### 2.5

##### **maximum output force**

force that the system can supply upon application of a 450 N force tangentially to the wheel