

## **Industrial valves - Mounting kits for part-turn valve actuator attachment**

Industrial valves - Mounting kits for part-turn valve  
actuator attachment

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15081:2007 sisaldab Euroopa standardi EN 15081:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15081:2007 consists of the English text of the European standard EN 15081:2007.</p> <p>This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This European Standard provides requirements for metallic mounting kits for part-turn on-off valves and actuator attachments to enable safe and reliable operation. It includes all components transmitting torques from actuators to valves with a maximum flange torque up to 16 000 Nm (up to F30 flange type). It applies to part-turn valves and actuators having attachment flanges and drive components as described in EN ISO 5211. It includes recommendations and methods for design and environmental corrosion protection.</p>	<p><b>Scope:</b></p> <p>This European Standard provides requirements for metallic mounting kits for part-turn on-off valves and actuator attachments to enable safe and reliable operation. It includes all components transmitting torques from actuators to valves with a maximum flange torque up to 16 000 Nm (up to F30 flange type). It applies to part-turn valves and actuators having attachment flanges and drive components as described in EN ISO 5211. It includes recommendations and methods for design and environmental corrosion protection.</p>
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**ICS** 23.060.99

**Võtmesõnad:**

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English Version

## Industrial valves - Mounting kits for part-turn valve actuator attachment

Robinetterie industrielle - Kits de montage pour  
raccordement des actionneurs à fraction de tour

Industriearmaturen - Montagesätze für Anschlüsse von  
Schwenkantrieben an Armaturen

This European Standard was approved by CEN on 26 August 2007.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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## Foreword

This document (EN 15081:2007) has been prepared by Technical Committee CEN/TC 69 "Industrial valves", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard provides requirements for metallic mounting kits for part-turn on-off valves and actuator attachments to enable safe and reliable operation.

It includes all components transmitting torques from actuators to valves with a maximum flange torque up to 16 000 Nm (up to F30 flange type).

It applies to part-turn valves and actuators having attachment flanges and drive components as described in EN ISO 5211.

It includes recommendations and methods for design and environmental corrosion protection.

When reference is made to this European Standard, all the requirements apply, unless otherwise agreed between the purchaser and the manufacturer/supplier, prior to order.

For the scope of this European Standard, the term "Valve" covers valve or shaft extension top-flange.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 736-1:1995, *Valves — Terminology — Part 1: Definition of types of valves*

EN 736-2:1997, *Valves — Terminology — Part 2: Definition of components of valves*

EN 736-3:1999, *Valves — Terminology — Part 3: Definition of terms*

EN ISO 5211:2001, *Industrial valves — Part-turn valve actuator attachments (ISO 5211:2001)*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 736-1:1995, EN 736-2:1997 and EN 736-3:1999 and the following apply.

- 3.1**  
**mounting kit**  
kit comprising an intermediate support, coupling and bolting
- 3.2**  
**intermediate support**  
mechanical component (bracket, spool, adapter flange) that allows the attachment between a part-turn valve and actuator
- 3.3**  
**coupling**  
driven component that allows torque transmission from an actuator driving component to the valve shaft and which includes a position indicator
- 3.4**  
**axial coupling clearance**  
clearance to ensure that there is axial movement between the actuator and the valve stem to avoid thrust being applied between the driving and driven components