



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 15081:2007

ICS 23.060.99

**INDUSTRIAL VALVES - MOUNTING KITS FOR
PART-TURN VALVE ACTUATOR
ATTACHMENT**

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EUROPEAN STANDARD

EN 15081

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2007

ICS 23.060.99

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

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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of an identical text or by endorsement, at the latest by April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

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EN 15081:2007 (E)

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

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