

Industrial valves — Part-turn actuator attachments

The European Standard EN ISO 5211:2001 has the status of a
British Standard

ICS 23.060.01

National foreword

This British Standard is the official English language version of EN ISO 5211:2001. Together with BS EN ISO 5210:1996, this British Standard supersedes BS 5840-1:1980 and BS 5840-2:1982, which are withdrawn.

The UK participation in its preparation was entrusted by Technical Committee PSE/7, Industrial valves, to Subcommittee PSE/7/1, Valves — Basic standards, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

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This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 April 2001

Summary of pages

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English version

Industrial valves — Part-turn actuator attachments
(ISO 5211:2001)

Robinetterie industrielle — Raccordement des actionneurs
à fraction de tour (ISO 5211:2001)

Industriearmaturen — Anschlüsse von Schwenkantrieben
(ISO 5211:2001)

This European Standard was approved by CEN on 7 December 2000.

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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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

The text of EN ISO 5211:2001 has been prepared by Technical Committee CEN/TC 69, Industrial valves, the Secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 153, Valves.

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 August 2001, and conflicting national standards shall be withdrawn at the latest by August 2001.

This European Standard currently includes actuators with key(s), square and flat drives. Other types of drives may be included in the future.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

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

1 Scope

This European Standard specifies requirements for the attachment of part-turn actuators, with or without gearboxes, to industrial valves.

The attachment of part-turn actuators to control valves is in accordance with the requirements of this standard only when subject to an agreement between the supplier and the purchaser.

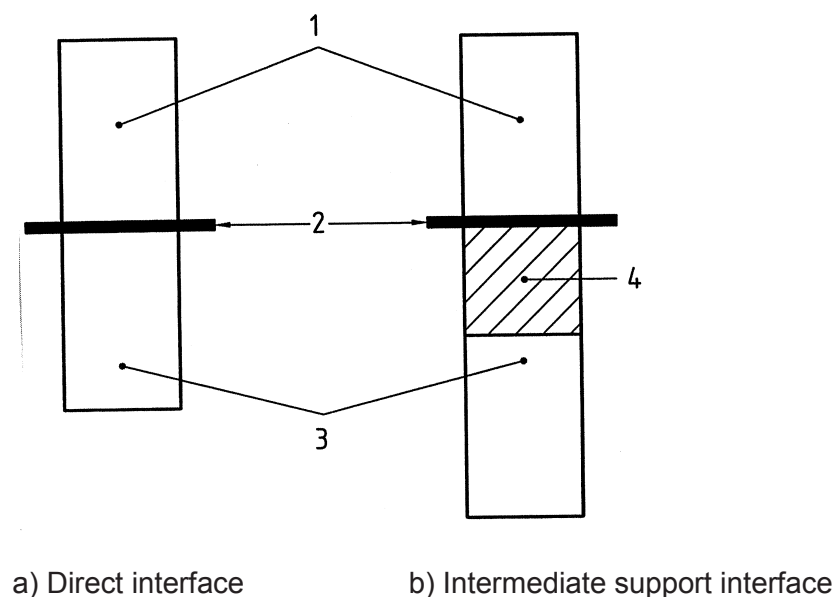
This standard specifies:

- flange dimensions necessary for the attachment of part-turn actuators to industrial valves [see Figure 1a)] or to intermediate supports [see Figure 1b)];
- driving component dimensions of part-turn actuators necessary to attach them to the driven components;
- reference values for torques for interfaces and for couplings having the dimensions specified in this standard.

The attachment of the intermediate support to the valve is not the subject of this standard.

NOTE 1 In this standard the term “valve” may also be understood to include “valve with an intermediate support” (see Figure 1).

NOTE 2 When the part-turn actuator is a combination of a multi-turn actuator and a gearbox, the multi-turn actuator attachment to the gearbox should be in accordance with EN ISO 5210.



Key

- 1 Part-turn actuator
- 2 Interface
- 3 Valve
- 4 Intermediate support

Figure 1 — Direct and intermediate support interfaces