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# INTERNATIONAL STANDARD



# 5211 / I

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Part-turn valve actuator attachment — Part I : Flange dimensions

*Raccordement des servomoteurs à fraction de tour aux  
appareils de robinetterie —  
Partie I : Dimensions des embases*

First edition — 1977-12-15

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UDC 621.646 : 62-52

Ref. No. ISO 5211/I-1977 (E)

**Descriptors** : industrial valves, servomotors, junctions, base plates, specifications, dimensions, designations.

Price based on 2 pages

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5211/1 was developed by Technical Committee ISO/TC 153, *General purpose industrial valves*, and was circulated to the member bodies in November 1976.

It has been approved by the member bodies of the following countries:

|           |                |                       |
|-----------|----------------|-----------------------|
| Australia | Italy          | South Africa, Rep. of |
| Austria   | Korea, Rep. of | Spain                 |
| Belgium   | Mexico         | Sweden                |
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The member body of the following country expressed disapproval of the document on technical grounds:

U.S.S.R.

# Part-turn valve actuator attachment — Part I : Flange dimensions

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies those dimensions of the flanges of part-turn actuators which are necessary for their attachment to general purpose industrial valves. These dimensions also permit the attachment of actuators to gearboxes and of gearboxes to valves.

## 2 REFERENCES

ISO/R 273/1, *Clearance holes for metric bolts 1,6 up to and including 39 mm thread diameter.*

ISO/R 286, *ISO system for limits and fits — Part I : General, tolerances and deviations.*

## 3 DEFINITIONS

For the purpose of this International Standard the following definitions apply :

**3.1 actuator :** Any device designed for attachment to a general purpose industrial valve in order to provide for the operation of the valve.

The device is designed to operate using motive energy which can be electrical, pneumatic, hydraulic, etc., or a combination of these.

The movement is limited by either travel, torque or thrust.

**3.2 part-turn actuator :** An actuator which transmits to the valve a torque for a rotation of less than one revolution. It does not have to be capable of withstanding thrust.