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# International Standard



# 5211/3

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## Part-turn valve actuator attachment — Part 3 : Dimensions of driving components

*Raccordement des servomoteurs à fraction de tour aux appareils de robinetterie — Partie 3 : Dimensions des éléments d'entraînement*

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

## 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 5211/3 was developed by Technical Committee ISO/TC 153, *Valves*, and was circulated to the member bodies in May 1981.

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

Australia	France	Romania
Austria	Germany, R.F.	Sri Lanka
Belgium	India	Sweden
Brazil	Japan	Switzerland
Canada	Korea, Rep. of	United Kingdom
Egypt, Arab Rep. of	Netherlands	USA
Finland	Norway	

The member bodies of the following countries expressed disapproval of the document on technical grounds:

Czechoslovakia  
USSR

# Part-turn valve actuator attachment — Part 3 : Dimensions of driving components

## 1 Scope and field of application

This part of ISO 5211 specifies those dimensions of the driving components of part-turn actuators which are necessary to attach them to the driven components of a general purpose industrial valve.

As a guide to the user of this International Standard and in order to avoid any incorrect matching of actuator and valve, additional information has been provided.

## 2 References

ISO/R 286, *ISO system of limits and fits — Part 1 : General, tolerances and deviations.*

ISO/R 773, *Rectangular or square parallel keys and their corresponding keyways (Dimensions in millimetres).*

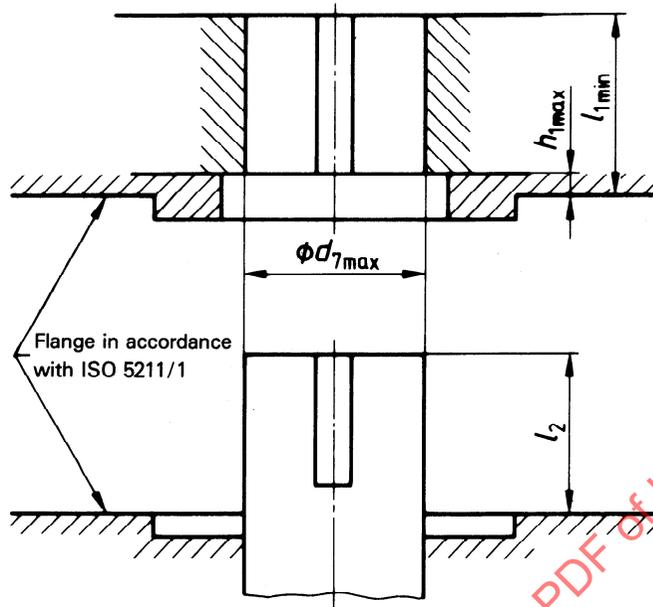
ISO 5211/1, *Part-turn valve actuator attachment — Part 1 : Flange dimensions.*

ISO 5211/2, *Part-turn valve actuator attachment — Part 2 : Flange and coupling performance characteristics.*

## 3 Definitions

See ISO 5211/1 and ISO 5211/2.

4 Dimensions



NOTE — In order to ensure that no interference can occur between the driving component and the driven component it is necessary to limit the length of the driven component  $l_2$  above the interface so that there is an appropriate clearance between both parts.

Dimensions in millimetres

Flange type	F05	F07	F10	F12	F14	F16	F25	F30	F35	F40	F48
$d_{7 \max} \text{ H9}^*$	22	28	42	50	60	80	100	120	160	180	220
$h_{1 \max}$	3	3	3	3	4	5	5	5	5	8	8
$l_{1 \min}^*$	30	35	45	55	65	80	110	130	180	200	250

\* The values of  $d_{7 \max}$  and  $l_{1 \min}$  are based on single key designs. For flange types F30 and larger, the stresses induced may require consideration of the use of two keys or alternative materials.

The key dimensions shall comply with those given in ISO/R 773.