

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 775

CYLINDRICAL AND 1/10 CONICAL SHAFT ENDS

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 775, *Cylindrical and 1/10 conical shaft ends*, was drawn up by Technical Committee ISO/TC 14, *Shaft ends*, the Secretariat of which is held by the Institut Belge de Normalisation (IBN).

Work on this question led to the adoption of a Draft ISO Recommendation.

In May 1966, this Draft ISO Recommendation (No. 1015) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Germany	Norway
Belgium	Greece	Sweden
Brazil	India	Switzerland
Bulgaria	Israel	Turkey
Chile	Japan	U.A.R.
Czechoslovakia	Korea, Rep. of	United Kingdom
Denmark	Netherlands	U.S.S.R.
France	New Zealand	

No Member Body opposed the approval of the Draft.

The Technical Committee decided to make certain modifications, of relatively minor importance, in Draft ISO Recommendation No. 1015; these were incorporated in a new Draft ISO Recommendation (No. 1702).

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1969, to accept it as an ISO RECOMMENDATION.

CYLINDRICAL AND 1/10 CONICAL SHAFT ENDS

1. SCOPE

This ISO Recommendation determines the dimensional characteristics of

- cylindrical shaft ends (long series and short series);
- 1/10 conical shaft ends (long series and short series), without keys and keyways or with keyways for parallel keys.

For cylindrical shaft ends, the transmissible torques for various applications (pure torque, torque and bending moment) are also given.

This ISO Recommendation will be completed later by details of

- the joining fillets for cylindrical shaft ends,
- the external and internal threads for conical shaft ends,
- the tolerances on form and position,

and by the addition of

- cylindrical shaft ends with internal thread,
- 1/10 conical shaft ends with Woodruff keys,
- conical shaft ends without keyways.