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ISO RECOMMENDATION
R 265

PIPES AND FITTINGS OF PLASTICS MATERIALS
SOCKET FITTINGS WITH SPIGOT ENDS FOR DOMESTIC AND INDUSTRIAL WASTE PIPES
BASIC DIMENSIONS: METRIC SERIES

1st EDITION

July 1962

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BRIEF HISTORY

The ISO Recommendation R 265, *Pipes and Fittings of Plastics Materials—Socket Fittings with Spigot Ends for Domestic and Industrial Waste Pipes—Basic Dimensions: Metric Series*, was drawn up by the Technical Committee ISO/TC 5, *Pipes and Fittings*, the Secretariat of which is held by the Association Suisse de Normalisation (SNV).

Work on this question by the Technical Committee began in 1957 and led, in 1959, to the adoption of a Draft ISO Recommendation.

In October 1960, this Draft ISO Recommendation (No. 408) 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:

Belgium	Hungary	Portugal
Chile	India	Romania
Czechoslovakia	Iran	Spain
France	Israel	Switzerland
Germany	Italy	U.S.S.R.
Greece	Poland	Yugoslavia

Four Member Bodies opposed the approval of the Draft:

Denmark, Netherlands, Norway, Sweden

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in July 1962, to accept it as an ISO RECOMMENDATION.

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ISO Recommendation R 265 July 1962

PIPES AND FITTINGS OF PLASTICS MATERIALS

SOCKET FITTINGS WITH SPIGOT ENDS FOR DOMESTIC AND INDUSTRIAL WASTE PIPES

BASIC DIMENSIONS: METRIC SERIES

1. SCOPE

This ISO Recommendation applies to plastics socket fittings with spigot ends for domestic and industrial waste pipes, regardless of their method of manufacture (except fittings fabricated from tubes) and composition. Its object is to specify the series of diameters to be used and the dimensions which are common to all types of fittings.*

It contains 46 types and sizes of fittings and should be used immediately as a *guide* to manufacturers and users and as a *basis* for specific standards. It may later be extended to other types and sizes of fittings, when the development of plastics materials in the field of pipe systems makes this necessary.

Extension to other types should be made by observing the principles laid down in this ISO Recommendation.

2. DIAMETERS OF FITTINGS (SIZES)

The diameters of jointing should be the following:

32 — 50 — 75 — 110 — 160 mm.**

Fittings are designated by the diameters of their sockets. In the case of nipples, these are designated by the diameters of the jointing surfaces, giving the male end first.

3. ANGLES

For elbows and tees (branches), the angles should be 45°, 67½° or 87½°.

4. LAYING LENGTH

When assembling a pipe system, the dimensions between the ends of the tubes which it is required to join are necessary. These have been designated

" tube to tube ": when the openings in the fitting concerned are in a single direction,

" tube to axis ": when the openings in the fitting are not in a single direction,

and have been listed in section 5.

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* This ISO Recommendation does not give all the dimensions which are required by the different manufacturers to produce the fittings. This aim will be achieved by adding separate ISO Recommendations covering the socket length, spigot end length, etc.

** However, if for technical reasons supplementary diameters should be necessary, these should be taken from the diameter series of ISO Recommendation R 161, *Pipes of Plastics Materials for the Transport of Fluids (Outside Diameters and Nominal Pressures). Part I: Metric Series.*

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