
International Standard



6455

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

Unplasticized polyvinyl chloride (PVC) fittings with elastic sealing ring type joints for pipes under pressure — Dimensions of laying lengths — Metric series

Raccords en polychlorure de vinyle (PVC) non plastifié, avec joints d'étanchéité élastiques, pour tubes avec pression — Dimensions de montage — Série métrique

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 6455 was developed by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, and was circulated to the member bodies in December 1979.

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

Australia	Greece	Romania
Austria	India	South Africa, Rep. of
Belgium	Ireland	Spain
Brazil	Israel	Sweden
Czechoslovakia	Italy	Switzerland
Denmark	Korea, Rep. of	United Kingdom
Egypt, Arab Rep. of	Netherlands	USA
Finland	Norway	USSR
France	Poland	
Germany, F. R.	Portugal	

The member body of the following country expressed disapproval of the document on technical grounds:

Japan

Unplasticized polyvinyl chloride (PVC) fittings with elastic sealing ring type joints for pipes under pressure — Dimensions of laying lengths — Metric series

1 Scope and field of application

This International Standard specifies the series of diameters to be used and the dimensions which are common to those types of fittings made of unplasticized polyvinyl chloride (PVC) with elastic sealing ring type joints for pipes under pressure, regardless of their method of manufacture and composition.

This International Standard contains the current types and sizes of fittings and should be used 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 reasonable.

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

2 References

ISO 161/1, *Thermoplastics pipes for the transport of fluids — Nominal outside diameters and nominal pressures — Part 1 : Metric series*.

ISO 264, *Unplasticized polyvinyl chloride (PVC) fittings with plain sockets for pipes under pressure — Laying lengths — Metric series*.

ISO 2045, *Single sockets for unplasticized polyvinyl chloride (PVC) pressure pipes with elastic sealing ring type joints — Minimum depths of engagement*.¹⁾

ISO 2048, *Double socket fittings for unplasticized polyvinyl chloride (PVC) pressure pipes with elastic sealing ring type joints — Minimum depths of engagement*.

ISO 2536, *Unplasticized polyvinyl chloride (PVC) pressure pipes and fittings, metric series — Dimensions of flanges*.

ISO 3460, *Unplasticized polyvinyl chloride (PVC) pressure pipes — Metric series — Dimensions of adapter for backing flange*.

3 Dimensions

3.1 Diameters and engagement depths

Diameters and depths of engagement are in accordance with ISO 2045 and ISO 2048.

The inside diameters of the sockets and the outside diameters of the spigot ends correspond to the outside diameters of the pipes (see ISO 161/1).

1) At present at the stage of draft. (Revision of ISO 2045-1973.)