

# INTERNATIONAL STANDARD

**ISO  
2048**

Second edition  
1990-09-15

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## Double-socket fittings for unplasticized poly(vinyl chloride) (PVC-U) pressure pipes with elastic sealing ring type joints — Minimum depths of engagement

iTeh STANDARD PREVIEW  
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*Manchons à deux emboîtures pour tubes pression en poly(chlorure de vinyle) non plastifié (PVC-U) avec joints d'étanchéité élastiques — Profondeurs minimales d'emboîture*

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Reference number  
ISO 2048:1990(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2048 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*.

This second edition cancels and replaces the first edition (ISO 2048:1973), of which it constitutes a technical revision.

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International Organization for Standardization  
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

# Double-socket fittings for unplasticized poly(vinyl chloride) (PVC-U) pressure pipes with elastic sealing ring type joints — Minimum depths of engagement

## 1 Scope

This International Standard specifies the minimum depths of engagement for double-socket fittings for unplasticized PVC pressure pipes of up to 12 m in length, with elastic sealing ring type joints and intended for the transport of fluids.

## 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 161-1:1978, *Thermoplastics pipes for the transport of fluids — Nominal outside diameters and nominal pressures — Part 1: Metric series.*

## 3 Calculation

The minimum depth of engagement  $m$  is calculated, in millimetres, from the formula

$$m = 30 + 0,15D$$

where  $D$  is the nominal outside diameter of the pipe, in millimetres.

## 4 Minimum depths of engagement

The minimum depths of engagement (see figure 1) shall be as given in table 1.

NOTE 1 For the correct installation procedure at high temperatures, refer to the code of practice to be published in a future International Standard.



Figure 1

Table 1

Dimensions in millimetres

Nominal outside diameter of pipe <sup>1)</sup>	Minimum depth of engagement for double-socket fittings
$D$	$m$
63	40
75	42
90	44
110	47
125	49
140	51
160	54
180	57
200	60
225	64
250	68
280	72
315	78
355	84
400	90
450	98
500	105
560	114
630	125

1) In accordance with ISO 161-1.

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**UDC 621.643.4-762:678.743**

**Descriptors:** plastics products, unplasticized polyvinyl chloride, pipe joints, pipe fittings, pipe sockets, dimensions.

Price based on 1 page

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