



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 727

SOCKET FITTINGS FOR PIPES UNDER PRESSURE

UNPLASTICIZED POLYVINYL CHLORIDE (PVC) FITTINGS
WITH PLAIN SOCKETS
METRIC SERIES

1st EDITION
May 1968

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BRIEF HISTORY

The ISO Recommendation R 727, *Socket fittings for pipes under pressure – Unplasticized polyvinyl chloride (PVC) fittings with plain sockets – Metric series*, was drawn up by 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 1961 and led, in 1965, to the adoption of a Draft ISO Recommendation.

In February 1967, this Draft ISO Recommendation (No. 1155) 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 :

Argentina	Hungary	Portugal
Australia	India	Spain
Belgium	Ireland	Sweden
Canada	Israel	Switzerland
Chile	Italy	Thailand
Czechoslovakia	Japan	Turkey
France	Netherlands	U.A.R.
Germany	Norway	U.S.S.R.
Greece	Poland	Yugoslavia

One Member Body opposed the approval of the Draft :

United Kingdom

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in May 1968, to accept it as an ISO RECOMMENDATION.

SOCKET FITTINGS FOR PIPES UNDER PRESSURE

UNPLASTICIZED POLYVINYL CHLORIDE (PVC) FITTINGS
WITH PLAIN SOCKETS*

METRIC SERIES

I. SCOPE

This ISO Recommendation applies to unplasticized polyvinyl chloride (PVC) fittings with plain sockets intended for connecting by solvent welding to unplasticized PVC pipe for use under pressure. This plain socket is a joint without mechanical anchorage.

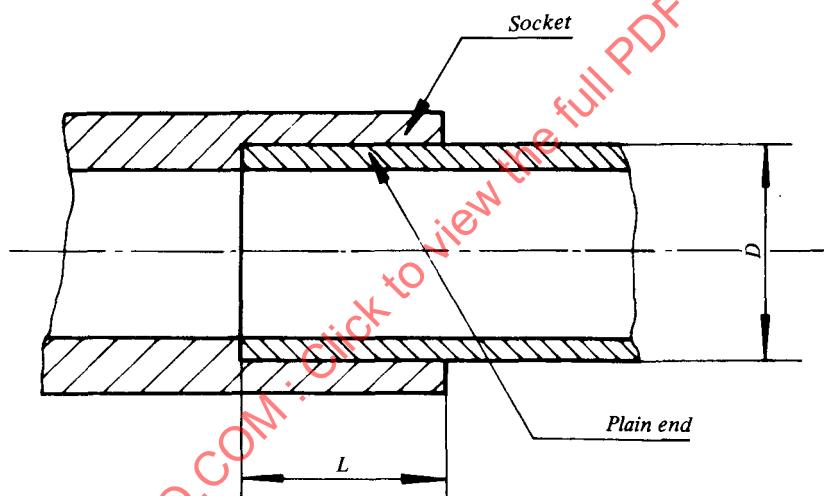


FIGURE – Plain socket

2. SOCKET LENGTH

The socket length is given by the expression

$$L = 0.5 D + 6 \text{ mm, with a minimum of 12 mm,}$$

where

L is the socket length,

D is the outside diameter of pipe.**

This socket length is applicable for socket fittings for pipes of any diameter under pressure.

* Basic dimensions in accordance with ISO Recommendation R 264, *Pipes and fittings of plastics materials – Socket fittings for pipes under pressure – Basic dimensions – Metric series*.

** See ISO Recommendation R 161, *Pipes of plastics materials for the transport of fluids (Outside diameters and nominal pressures) – Part I : Metric series*.