

Specification for

Joints and fittings for use with unplasticized PVC pressure pipes —

**Part 1: Injection moulded unplasticized
PVC fittings for solvent welding for use
with pressure pipes, including potable
water supply**

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British Plastics Federation*	Post Office
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Ministry of Defence, Army Department*	Rubber and Plastics Research Association of Great Britain
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Ministry of Public Building and Works, Building Research Station*	Surface Coating Synthetic Resin Manufacturers' Association
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The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

British Industrial Biological Research Association	Institution of Civil Engineers
British Mechanical Rubber Manufacturers' Association	Institution of Municipal Engineers
British Rubber Manufacturers' Association Ltd.	Institution of Public Health Engineers
British Waterworks Association	Institution of Water Engineers
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Food Manufacturers Federation Incorporated	Ministry of Housing and Local Government
Gas Council	Ministry of Public Building and Works
Gas List Tube Association	National Brassfoundry Association
Institute of Brewing	National Coal Board
Institute of Plumbing	National Federation of Plumbers and Domestic Heating Engineers
	Plastic Pipe Manufacturers' Society
	Water Companies Association
	Water Research Association

This British Standard, having been approved by the Plastics Industry Standards Committee, was published under the authority of the Executive Board on 13th February 1969

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The following BSI references relate to the work on this standard:
Committee references PLM/9, PLM/9/2
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Amendments issued since publication

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1007	August 1972	
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Foreword

This standard makes reference to the following British Standards:

BS 2782, *Methods of testing plastics*.

BS 3505, *Unplasticized PVC pipe for cold water services*.

BS 3506, *Unplasticized PVC pipe for industrial uses*.

BS 9001, *Sampling procedures and tables for inspection by attributes for electronic parts of assessed quality*.

CP 310, *Water supply*.

CP 312, *Plastics pipework (thermoplastic material)*.

CP 312-1, *General principles and choice of material*.

CP 312-2, *Unplasticized PVC*.

This British Standard has been prepared under the authority of the Plastics Industry Standards Committee. Where appropriate the requirements, including those for effect on water, are the same as specified in BS 3505¹⁾. However, a stress relief test is included instead of a test for impact strength which is not considered to be meaningful when applied to fittings. No hydraulic proof test is included in the requirements but a suitable test procedure is laid down in CP 310²⁾.

Dimensions are expressed in metric units but it has been decided to continue to designate the **nominal** size of fittings in inches, because it is thought that considerable confusion would be caused if these were changed to metric units at this stage.

The requirements for the effects of materials upon water quality have been updated to enable fittings complying with this British Standard to be acceptable to UK water undertaking.

Attention is drawn to CP 312³⁾ which has been prepared to assist users in assessing the suitability of plastics pipes for particular purposes and to ensure their proper application.

Attention is drawn to other Parts of this standard, as follows:

— *Part 2: Mechanical joints and fittings, principally of unplasticized PVC.*

— *Part 3: Specification for solvent cement.*

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 7 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ BS 3505, “Unplasticized PVC pipe for cold water services”.

²⁾ CP 310, “Water supply”.

³⁾ CP 312, “Plastics pipework (thermoplastic material)”, Part 1, “General principles and choice of material”, Part 2, “Unplasticized PVC”.