BRITISH STANDARD

BS 1640-3: 1968

Incorporating amendment issued March 1972 (AMD 905)

Specification for

Steel butt-welding pipe fittings —

For the petroleum industry —

Part 3: Wrought carbon and ferritic alloy steel fittings — Metric units

UDC 621.643.4:621.791.053.6:665.6

Co-operating organizations

The Petroleum Equipment Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government department and scientific and industrial organizations:

Council of British Manufacturers of Petroleum Equipment*
Federation of British Rubber and Allied Manufacturers
Gas Council
Ministry of Power
Oil Companies Materials Association*
"The Steel Industry"*

The 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 Valve Manufacturers' Association
Confederation of British Industry
Institute of Welding
National Association of Drop Forgers and Stampers

This British Standard, having been approved by the Petroleum Equipment Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 22nd March, 1968

The following BSI reference relates to the work on this standard:
Committee reference, PEE/2

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Foreword

This British Standard is one of a series of standards for fittings prepared under the authority of the Petroleum Equipment Industry Standards Committee.

One of the aims of this standard is to ensure interchangeability in service with similar products of American manufacture. Consequently in the present edition due consideration has been given to the latest editions of American standards ASA B16.9, ASA B16.28, ASTM. A.234, ASTM. A.351, ASTM. A.403, and ASTM. A.420, and to the American Manufacturers' Standardisation Society of the Valve and Fittings industry Standard Practice SP.43.

Account has also been taken of the work of the International Organization for Standardization (ISO) on this subject. This standard which forms Part 3, of BS 1640, is the metric version of Part 1.

Part 4, dealing with wrought and cast austenitic stainless steel fittings, is the metric version of Part 2.

Acknowledgment is made to the American Standards Association, the American Society for Testing and Materials, and the American Manufacturers' Standardisation Society of the Valve and Fittings Industry for data used in this standard.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of standards to which they refer.

A complete list of British Standards numbering over 9000, fully indexed and with a note of the contents of each, will be found in the BSI Catalogue. The BSI Catalogue may be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standards:

BS 131, *Methods for notched bar tests, Part 2. Charpy V-notch impact test.*

BS 1501 – BS 1506, *Steels for use in the chemical, petroleum and allied industries.*

BS 1510, *Steels for use in the chemical, petroleum and allied industries (low temperature supplementary requirements to BS 1501 – BS 1506).*

BS 1560, *Steel pipe flanges and flanged fittings (nominal sizes ½ in to 24 in) for the petroleum industry.*

BS 1600, *Dimensions of wrought steel pipe for the petroleum industry.*

BS 2600, *General recommendations for the radiographic examination of fusion welded joints in thicknesses of steel up to 2 in.*

BS 2910, *General recommendations for the radiographic examination of fusion welded circumferential butt joints in steel pipes.*

BS 3293, *Carbon steel pipe flanges (over 24 in nominal size) for the petroleum industry.*

BS 3351, *Piping systems for the petroleum industry.*