

Specification for

Surgical elastic band trusses

Co-operating organizations

The Surgical Instruments and Medical Appliances Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and professional and industrial organizations:

- Association of Hospital Matrons
- British Dental Association
- British Medical Association*
- British Surgical Trades Association (Inc.)*
- British Rubber Manufacturers Association Ltd.
- Institute of British Surgical Technicians
- Medical Defence Union
- Medical and Dental Defence Union of Scotland
- Medical Protection Society
- Ministry of Agriculture, Fisheries and Food
- Ministry of Defence Air Force Department
- Ministry of Defence Army Department
- Ministry of Defence Navy Department
- Department of Health and Social Security*
- Queen's Institute of District Nursing
- Royal College of Midwives
- Royal College of Nursing
- Royal College of Obstetricians and Gynaecologists
- Royal College of Physicians and Surgeons of Glasgow
- Royal College of Physicians of London
- Royal College of Surgeons of Edinburgh
- Royal College of Surgeons of England*
- Royal College of Veterinary Surgeons
- Royal Institute of Public Health and Hygiene

The Government departments and professional 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:

- Aluminium Development Association
- British Investment Casters' Technical Association
- British Orthopaedic Association
- British Plastics Federation
- British Steel Industry
- Central Council for the Care of Cripples
- Institution of Production Engineers
- National Federation of Hospital Officers
- National Pharmaceutical Union
- Surgical Appliance Manufacturers' Association
- Individual firms

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Foreword

This standard makes reference to the following British Standards and BSI publication:

BS 57, *B.A. screws, bolts and nuts.*

BS 93, *British Association (B.A.) screw threads with tolerances for sizes 0 B.A. to 16 B.A.*

BS 903, *Methods of testing vulcanized rubber.*

BS 947, *Specification for a universal system for designating linear density of textiles (Tex system).*

BS 1309, *Methods of sampling and analysis of vegetable-tanned and chrome-tanned leathers.*

BS 1449, *Steel plate, sheet and strip — Part 1: Specification for carbon and carbon-manganese plate, sheet and strip.*

BS 1470, *Wrought aluminium and aluminium alloys for general engineering purposes. Sheet and strip.*

BS 1554, *Specification for stainless and heat-resisting steel round wire.*

BS 1897, *Woven elastic webbings.*

BS 2010, *Method for determination of the linear density of yarns from packages.*

BS 2576, *Methods for the determination of breaking load and extension of strips of woven textile fabric.*

BS 2874, *Specification for copper and copper alloy rods and sections (other than forging stock).*

BS 3102, *Brass eyelets and washers for general purposes.*

BS 3144, *Methods of sampling and physical testing of leather.*

BS 4183, *Machine screws and machine screw nuts — metric series.*

The first edition of BS 3271 published in 1960 was prepared following a request made by the Ministry of Health and was authorized by the Surgical Instruments and Medical Appliances Industry Standards Committee of the British Standards Institution.

This revised edition of BS 3271 brings up to date present requirements for surgical elastic band trusses with respect to materials and methods of fabrication, together with such dimensions of components as are independent of individual clinical requirements.

Provision is made for the use of adhesives in the construction of the pad. Changes have been made to requirements for elastic webbing and certain details of fabrication. In accordance with prescribed national policy the opportunity has been taken for requirements to be specified in metric units although equivalents in the customary imperial units have been included for convenience during the pending change to general use of the metric system in the United Kingdom. Likewise, provision has been made for use of screws having ISO metric threads which it is intended will ultimately take the place of the BA system of screw threads.

Surgical spring trusses are dealt with in BS 2930.

NOTE Metric units are to be regarded as the standard. Where equivalents are given in other units they are approximate. More accurate conversions should be based on the tables in BS 350 "Conversion factors and tables", or in BS 2856 "Precise conversion of inch and metric sizes on engineering drawings".

Imperial units have been retained, however, for certain textile requirements for which it would be currently impracticable to use metric units.

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 to iv, pages 1 to 10, an inside back cover 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.

