

Specification for

Stainless steel hollow-ware for use in hospital operating-theatres and wards

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Co-operating organizations

This 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:

- British Dental Association
- British Medical Association
- British Paediatric Association
- British Rubber Manufacturers Association Ltd.
- British Surgical Trades Association (Incorporated)*
- Department of Health and Social Security*
- 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*
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- Royal College of Physicians and Surgeons of Glasgow
- Royal Institute of Public Health and Hygiene
- Scientific Instrument Manufacturers Association of Great Britain

The 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:

- Association of Hospital Matrons
- British Aluminium Holloware Manufacturers' Association
- British Paper Box Federation
- British Plastics Federation
- British Steel Industry
- Institute of Purchasing and Supply
- Ministry of Defence, Air Force
- Ministry of Defence, Army
- National Council of Nurses of the United Kingdom
- Stainless Steel Fabricators' Association
- Vitreous Enamel Development Council
- Wrought Hollow-ware Trade Employers' Association
- Individual expert

This British Standard, having been approved by the Surgical Instruments and Medical Appliances Industry Standards Committee, was published under the authority of the Executive Board on 15 June 1973

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Foreword

The first edition of BS 1823 was prepared at the request of the Stainless Steel Fabricators' Association, in order to rationalize the numbers of types and sizes of hospital hollow-ware and to ensure that dimensions were such as to avoid problems in stacking caused by adjacent articles jamming together.

In this revision the opportunity has been taken for dimensional and volumetric requirements to be specified in metric units, although in view of established use of the equipment, both in the UK and overseas, it was found unnecessary for any basic changes to be made to the sizes previously specified.

The quality of finish is of particular importance from the standpoint of ease of cleaning and corrosion resistance. As there are no recognized standards in this country for the degree of finish of stainless steel, other than those generally practised within the trade, arrangements have been made to lodge sealed reference samples of each type of utensil with the British Standards Institution, in order that manufacturers may check the finish, of their products with that of the reference samples for compliance with this British Standard.

BS 5452 specifies requirements for hospital hollow-ware made of plastics materials.

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 8, 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.

1 Scope

This British Standard specifies requirements for stainless steel hollow-ware for use in hospital operating-theatres and wards.

The standard specifies instrument trays of five nominal sizes, 200 mm × 150 mm, 250 mm × 200 mm, 300 mm × 250 mm, 350 mm × 250 mm and 350 mm × 300 mm; kidney dishes of four nominal sizes, 150 mm, 200 mm, 250 mm and 300 mm; wash bowls of three nominal sizes, 300 mm × 100 mm, 350 mm × 115 mm and 400 mm × 125 mm; lotion bowls of six nominal sizes, 100 mm × 45 mm, 125 mm × 55 mm, 150 mm × 65 mm, 200 mm × 90 mm, 250 mm × 110 mm and 300 mm × 135 mm; gallipots of seven nominal sizes, 40 mm (30 ml), 50 mm (60 ml), 60 mm (90 ml), 65 mm (120 ml), 70 mm (170 ml), 80 mm (250 ml) and 90 mm (320 ml).

NOTE The title of the British Standard referred to in this standard is given on the page 8.

2 Dimensions

Dimensions of stainless steel hollow-ware for use in hospital operating-theatres and wards shall be as given in Table 1.

3 Material

The vessels shall be fabricated from stainless steel sheet or strip complying with the requirements of BS 1449-2, Grades 304S15 or 304S16.

The steel used for all wash bowls and other large vessels shall be of 0.90 mm nominal thickness, but all sizes of gallipots, instrument trays less than 300 mm × 250 mm nominal size, kidney dishes less than 250 mm and lotion bowls less than 200 mm × 90 mm nominal size may be of 0.70 mm nominal thickness.

4 Rectangular instrument trays

4.1 Size designation. The size of rectangular instrument trays shall be designated by the nominal internal length and nominal internal width as shown in Table 1 and Figure 1.

4.2 Size range. The range of sizes of rectangular instrument trays shall be as given in Table 1.

4.3 Design. The design and dimensions of rectangular instrument trays shall be in accordance with Figure 1 and Table 1.

5 Kidney dishes

5.1 Size designation. The size of kidney dishes shall be designated by the nominal length between rim centres as shown in Table 1 and Figure 2.

5.2 Size range. The range of sizes of kidney dishes shall be as given in Table 1.

5.3 Design. The design and dimensions of kidney dishes shall be in accordance with Figure 2 and Table 1.

6 Wash bowls

6.1 Size designation. The size of wash bowls shall be designated by the nominal overall diameter as shown in Table 1 and Figure 3.

6.2 Size range. The range of sizes of wash bowls shall be as given in Table 1.

6.3 Design. The design and dimensions of wash bowls shall be in accordance with Figure 3 and Table 1.

7 Lotion bowls

7.1 Size designation. The size of lotion bowls shall be designated by the nominal internal diameter as shown in Table 1 and Figure 4.

7.2 Size range. The range of sizes of lotion bowls shall be as given in Table 1.

7.3 Design. The design and dimensions of lotion bowls shall be in accordance with Figure 4 and Table 1.

8 Gallipots

8.1 Size designation. The size of gallipots shall be designated by the nominal internal diameter or nominal capacity as shown in Table 1 and Figure 5.

8.2 Size range. The range of sizes of gallipots shall be as given in Table 1.

8.3 Design. The design, dimensions and capacities of gallipots shall be in accordance with Figure 5 and Table 1.

9 Covers

Covers to vessels are optional. If required for instrument trays, kidney dishes, lotion bowls and gallipots, the covers shall be of such size and shape that they fit the relevant vessels. The cover shall have a rim to hold the cover in place. The sizes of the covers shall be such that they are made to the maximum tolerances of the vessels they are to fit, and shall be designed to remain in place when the relevant vessel is tilted in any direction to an angle of 60° from the horizontal. The covers shall be fitted with either a simple loop or recessed handle.

The material of construction, finish and workmanship shall comply with the requirements of Clauses 3 and 10.