

Specification for

Hospital hollow-ware made of plastics material

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

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 Association of British Sterilizer Manufacturers
 British Dental Association
 British Institute of Surgical Technicians*
 British Medical Association
 British Paediatric Association
 British Rubber Manufacturers' Association Limited
 British Surgical Trades Association (Inc.)*
 Department of Health and Social Security*
 Disposable Hypodermic and Allied Equipment Manufacturers' Association
 Medical Defence Union
 Medical Protection Society
 Medical Sterile Products Association
 Ministry of Agriculture, Fisheries and Food
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 Royal College of Veterinary Surgeons
 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 Sterile Supply Administrators
 British Aluminium Holloware Manufacturers' Association
 British Paper Box Association
 British Plastics Federation
 Institute of Purchasing and Supply
 Royal College of Nursing and National Council of Nurses of the UK
 Royal College of Physicians of London
 Stainless Steel Fabricators' Association

Amendments issued since publication

Amd. No.	Date of issue	Comments

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The following BSI references relate to the work on this standard:
 Committee reference SGS/7
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Foreword

This British Standard was prepared at the request of the British Plastics Federation and authorized by the Surgical Instrument and Medical Appliances Standards Committee of BSI.

The standard has been prepared to establish acceptance standards for plastics hollow-ware for use in hospitals and other health service areas.

Requirements for quality and finish are laid down to ensure that articles give a satisfactory performance for their stated use within the range of this specification. BS 1823 deals with stainless steel hollow-ware for use in hospital operating theatres and wards.

At elevated temperatures, plastics material may suffer deformation under stress and care should be taken in the packaging of the articles and in the loading of them into the sterilization chamber.

When flammable anaesthetics are used, hollow-ware from plastics materials capable of generating and retaining electrostatic surface charges should not be brought within 0.25 m of any part of an anaesthetic breathing circuit.

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 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.

1 Scope

This British Standard specifies requirements for hospital hollow-ware made of plastics materials.

Provision is made for the following nominal sizes:

instrument trays	200 mm × 150 mm × 50 mm
	300 mm × 250 mm × 50 mm
compartmented instrument tray	270 mm × 180 mm × 40 mm
kidney dishes	150 mm
	200 mm
	250 mm
	300 mm
wash bowl	350 mm × 135 mm
lotion bowls	100 mm × 45 mm
	150 mm × 65 mm
	200 mm × 90 mm
	250 mm × 110 mm
gallipots	40 mm 30 ml to 60 ml
	60 mm 90 ml to 120 ml
	80 mm 250 ml to 280 ml
measuring jugs	500 ml capacity
	1 000 ml capacity

2 References

The titles of the publications referred to in this standard are listed on the inside back cover.

3 Dimensions

The dimensions of each plastics utensil (excluding jugs) shall be as given in Table 1.

4 Materials

The hollow-ware shall be made from suitable plastics material, which shall comply with the requirements of clauses 10 and 11.

5 Design

5.1 General

5.1.1 The design shall be such as to prevent utensils from jamming together if stacked.

5.1.2 The base shall be designed to prevent suction on flat surfaces and to allow for drainage in the inverted position.

5.2 Rectangular instrument trays

5.2.1 *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.

5.2.2 *Size range.* The range of sizes shall be as given in Table 1.

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

5.3 Compartmented instrument tray

5.3.1 *Size.* The size of the compartmented instrument tray shall be designated by the nominal overall dimensions as shown in Table 1 and Figure 2.

5.3.2 *Design.* The design and dimensions of the compartmented instrument tray shall generally be in accordance with Figure 2. The tray shall have four compartments.

5.4 Kidney dishes

5.4.1 *Size designation.* The size of kidney dishes shall be designated by the nominal length between the rim centres as shown in Table 1 and Figure 3.

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

5.4.3 *Design.* The design and dimensions of kidney dishes shall be in accordance with Figure 3 and Table 1.

5.5 Wash bowl

5.5.1 *Size.* The size of the wash bowl shall be as given in Table 1 and illustrated in Figure 4.

5.5.2 *Design.* The design and dimensions of the wash bowl shall be in accordance with Figure 4 and Table 1.

5.6 Lotion bowls

5.6.1 *Size designation.* The size of lotion bowls shall be designated by the nominal internal diameter as shown in Table 1 and Figure 5.

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

5.6.3 *Design.* The design and dimensions of lotion bowls shall be in accordance with Figure 5 and Table 1.

5.7 Gallipots

5.7.1 *Size designation.* The size of gallipots shall be designated by the nominal internal diameter and nominal capacity as shown in Table 1 and Figure 6.

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

5.7.3 *Design.* The design, dimensions and capacities of gallipots shall be in accordance with Figure 6 and Table 1.