

**SRI LANKA STANDARD 601:PART 3:1984**  
**UDC 666.17**

**SPECIFICATION FOR**  
**GLASS CONTAINER FINISHES**  
**PART 3 — OMNIA FINISHES**

**SRI LANKA STANDARDS INSTITUTION**



# SPECIFICATION FOR GLASS CONTAINER FINISHES

## PART 3 : OMNIA FINISHES

SLS 601:Part 3:1984

Gr. 4

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SRI LANKA STANDARDS INSTITUTION

53, Dharmapala Mawatha,

Colombo 3,

Sri Lanka



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**FOREWORD**

This Sri Lanka Standard specification was authorized for adoption and publication by the Council of the Sri Lanka Standards Institution on 1984-02-22, after the draft, finalized by the Drafting Committee on Glass Products had been approved by the Mechanical Engineering Divisional Committee.

This part is one of a series of standards on glass container finishes. Other parts covering Threaded finish, Crown finish, Lug finish and Aluminium foil cap type finish are being issued. A complete list of such standards may be obtained from the Sri Lanka Standards Institution. Glass bottles with omnia finish are widely used in Sri Lanka for packing jams, preservatives, chutneys etc.

All standard values given in this specification are in SI units.

For the purpose of deciding whether a particular requirement of this specification is complied with, the final value, observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with CS 102. The number of significant places retained in the rounded off value should be the same as that of the specified value in this specification.

In the preparation of this specification, the assistance obtained from the Glass Manufacturer's Federation of London is gratefully acknowledged.

**1 SCOPE**

1.1 This part of the specification prescribes the design and dimensions of the following omnia bottle neck finishes:

- a) Single omnia finishes (see Fig. 1); and
- b) Double omnia finishes (see Fig. 2).

**2 REFERENCES**

CS 102 Presentation of numerical values.

### 3 DEFINITIONS

For the purpose of this specification, the following definitions shall apply:

- 3.1 finish : The top part of the neck of a bottle made to suit the closure.
- 3.2 sealing surface : The portion of the finish which makes contact with the liner of the closure.

### 4 FINISH DESIGN AND DIMENSIONS

#### 4.1 Single and double omnia finishes

The design and dimensions of the single omnia finishes shall be as given in Fig. 1 and Table 1, and those of the double omnia finishes shall be as given in Fig. 2 and Table 2.

#### NOTES

1 All essential dimensions may be ascertained by any standard form of measurement except the minimum T dimension. Which should be measured by a Parnaby type gauge, the two engaging surfaces of which should subtend arcs of  $90^\circ$  and conform to a curvature of the minimum T circumference.

2 Nominal dimensions are for mould making purposes only.

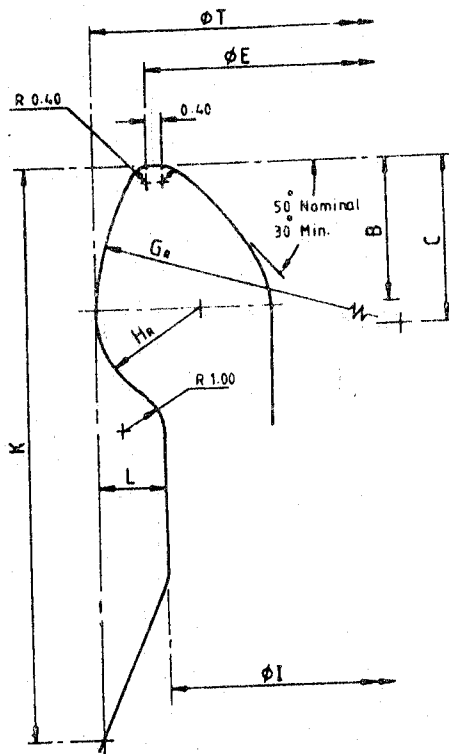


FIGURE 1 - Single omnia finishes

TABLE 1 - Single omnia finishes  
(All dimensions in millimetres)

No. or Size	T		E		C	I	B		G	H	K	L
	Max.	Min.	Max.	Min.			Max.	Min.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
43	43.05	42.55	40.6	40.0	4.0	39.2	3.6	3.3	8.0	2.5	14.0	1.7
48	48.00	47.50	45.5	44.9	4.0	44.2	3.6	3.3	8.0	2.5	14.0	1.7
53	52.45	51.95	50.0	49.4	4.0	48.6	3.6	3.3	8.0	2.5	14.0	1.7
56	56.45	55.80	53.9	53.2	4.0	52.5	3.6	3.3	8.0	2.5	14.0	1.7
63	63.00	62.35	60.5	59.8	4.0	59.0	3.6	3.3	8.0	2.5	14.0	1.7
68	67.70	66.95	65.2	64.4	4.0	63.6	3.6	3.3	8.0	2.5	14.0	1.7
74	74.00	73.10	71.5	70.6	4.0	69.8	3.6	3.3	8.0	2.5	14.0	1.7
79	79.00	78.10	76.5	75.6	4.0	74.8	3.6	3.3	8.0	2.5	14.0	1.7
83	82.80	81.65	79.3	78.0	5.0	78.3	4.0	3.7	8.0	3.0	14.0	1.7

4.2 Sealing surface

The sealing surface shall be essentially smooth and free from features that prevent adequate sealing. It shall conform to the dimensions shown in Figure 1 and Figure 2.

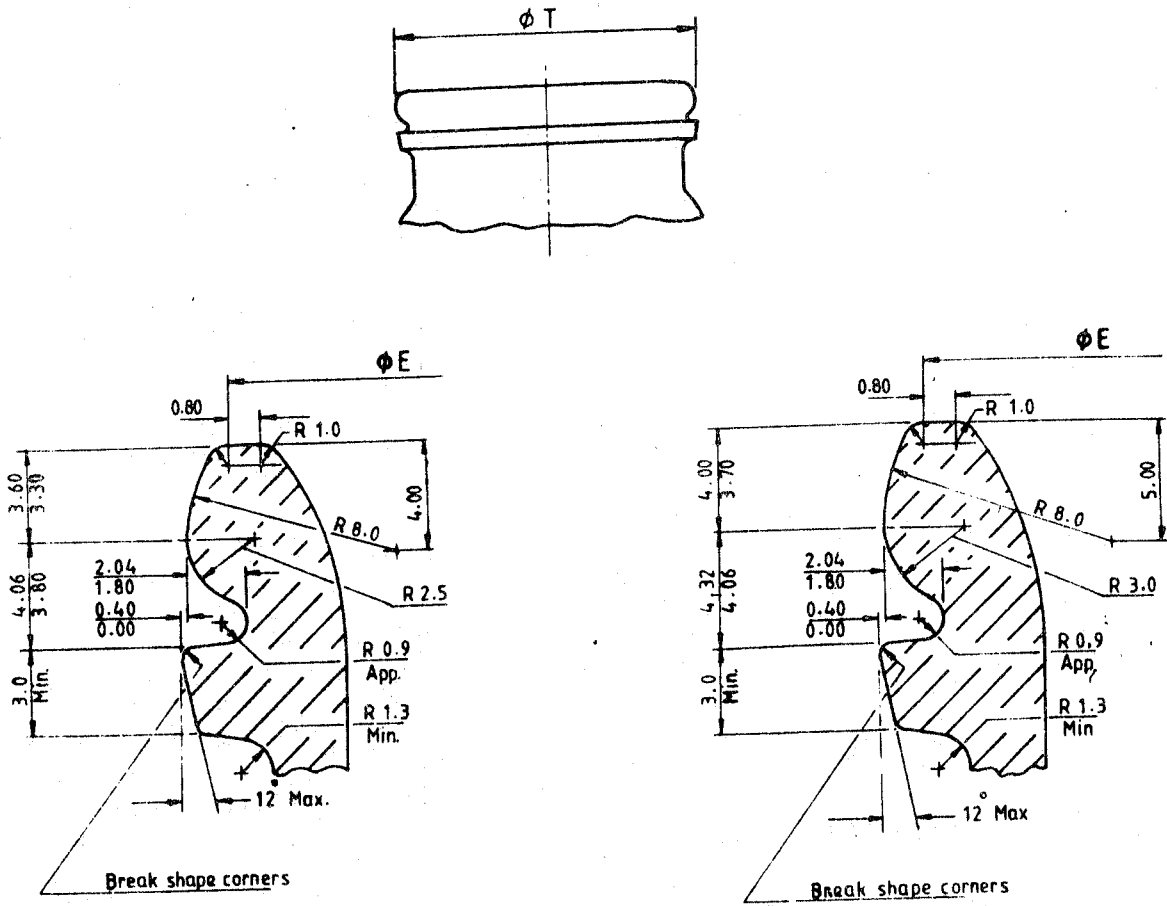


FIGURE 2 - Double omnia finishes



TABLE 2 - Double omnia finishes  
*(All dimensions in millimetres)*

No. or size  (1)	T		E	
	Max. (2)	Min (3)	Max. (4)	Min (5)
43	43.05	42.55	39.8	39.3
48	48.00	47.50	44.8	44.2
53	52.45	51.95	49.2	48.7
56	56.45	55.80	53.2	52.5
63	63.00	62.35	59.8	59.1
68	67.70	66.95	64.5	63.7
74	74.00	73.10	70.8	69.8
79	79.00	78.10	75.8	74.8
83	82.80	81.65	78.7	77.4



## **SLS CERTIFICATION MARK**

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*Further particulars of the terms and conditions of the permit may be obtained from the Sri Lanka Standards Institution, 17, Victoria Place, Elvitigala Mawatha, Colombo 08.*



## **SRI LANKA STANDARDS INSTITUTION**

The Sri Lanka Standards Institution (SLSI) is the National Standards Organization of Sri Lanka established under the Sri Lanka Standards Institution Act No. 6 of 1984 which repealed and replaced the Bureau of Ceylon Standards Act No. 38 of 1964. The Institution functions under the Ministry of Science & Technology.

The principal objects of the Institution as set out in the Act are to prepare standards and promote their adoption, to provide facilities for examination and testing of products, to operate a Certification Marks Scheme, to certify the quality of products meant for local consumption or exports and to promote standardization and quality control by educational, consultancy and research activity.

The Institution is financed by Government grants, and by the income from the sale of its publications and other services offered for Industry and Business Sector. Financial and administrative control is vested in a Council appointed in accordance with the provisions of the Act.

The development and formulation of National Standards is carried out by Technical Experts and representatives of other interest groups, assisted by the permanent officers of the Institution. These Technical Committees are appointed under the purview of the Sectoral Committees which in turn are appointed by the Council. The Sectoral Committees give the final Technical approval for the Draft National Standards prior to the approval by the Council of the SLSI.

All members of the Technical and Sectoral Committees render their services in an honorary capacity. In this process the Institution endeavours to ensure adequate representation of all view points.

In the International field the Institution represents Sri Lanka in the International Organization for Standardization (ISO), and participates in such fields of standardization as are of special interest to Sri Lanka.