

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Heat-shrinkable moulded shapes –
Part 3: Specification requirements for shape dimensions, material requirements
and compatibility performance – Sheet 100: Heat-shrinkable moulded shape
dimensions**

[IEC 62329-3-100:2010](#)

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Profils thermorétractables –

**Partie 3: Exigences relatives aux dimensions des profilés, exigences de
matériaux et performances de compatibilité – Feuille 100: Dimensions des
profilés thermorétractables**



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Profils thermorétractables –

**Partie 3: Exigences relatives aux dimensions des profilés, exigences de
matériaux et performances de compatibilité – Feuille 100: Dimensions des
profilés thermorétractables**

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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references.....	7
3 Designation.....	7
4 Requirements.....	8
Figure 1 – Style AA (small lipped bottle).....	9
Figure 2 – Style A (lipped short bottle with short body).....	10
Figure 3 – Style B (lipped straight bottle with medium body).....	11
Figure 4 – Style C (lipped straight bottle with long body).....	12
Figure 5 – Style D (non-lipped straight bottle).....	13
Figure 6 – Style E (lipped straight bottle with long tail).....	14
Figure 7 – Style F (lipped right-angle boot).....	15
Figure 8 – Style G (non-lipped right-angle boot).....	16
Figure 9 – Style H (lipped right-angle boot with long tail).....	17
Figure 10 – Style I (lipped right-angle boot with longer tail).....	18
Figure 11 – Style J (lipped straight bottle with longer tail).....	19
Figure 12 – Style K (non-lipped straight long tail boot).....	20
Figure 13 – Style L (transitions ("T" junction)).....	21
Figure 14 – Style M (transitions (30°/45° junction)).....	22
Figure 15 – Style N (transitions ("Y" junction 45° low profile)).....	23
Figure 16 – Style O (straight, high ratio lipped boot).....	24
Figure 17 – Style P (transitions ("Y" junction)).....	25
Figure 18 – Style R (transitions (three branched outlets)).....	26
Figure 19 – Style S (transitions (four branched outlets)).....	27
Figure 20 – Style T (D sub-miniature boot straight).....	28
Figure 21 – Style U (D sub-miniature boot right angle) (longitudinal).....	29
Figure 22 – Style V (D sub-miniature boot right angle) (across width).....	30
Table 1 – Dimensions in millimetres of style AA.....	9
Table 2 – Dimensions in millimetres of style A.....	10
Table 3 – Dimensions in millimetres of style B.....	11
Table 4 – Dimensions in millimetres of style C.....	12
Table 5 – Dimensions in millimetres of style D.....	13
Table 6 – Dimensions in millimetres of style E.....	14
Table 7 – Dimensions in millimetres of style F.....	15
Table 8 – Dimensions in millimetres of style G.....	16
Table 9 – Dimensions in millimetres of style H.....	17
Table 10 – Dimensions in millimetres of style I.....	18
Table 11 – Dimensions in millimetres of style J.....	19

Table 12 – Dimensions in millimetres of style K	20
Table 13 – Dimensions in millimetres of style L	21
Table 14 – Dimensions in millimetres of style M	22
Table 15 – Dimensions in millimetres of style N	23
Table 16 – Dimensions in millimetres of style O	24
Table 17 – Dimensions in millimetres of style P	25
Table 18 – Dimensions in millimetres of style R	26
Table 19 – Dimensions in millimetres of style S	27
Table 20 – Dimensions in millimetres of style T	28
Table 21 – Dimensions in millimetres of style U	29
Table 22 – Dimensions in millimetres of style V	30

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HEAT-SHRINKABLE MOULDED SHAPES –

**Part 3: Specification requirements for shape dimensions,
material requirements and compatibility performance –
Sheet 100: Heat-shrinkable moulded shape dimensions**

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International Standard IEC 62329-3-100 has been prepared by IEC technical committee 15: Solid electrical insulating materials.

The text of this standard is based on the following documents:

FDIS	Report on voting
15/568/FDIS	15/588/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62329 series, under the general title *Heat-shrinkable moulded shapes*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

This International Standard is one of a series that deals with heat-shrinkable moulded shapes for electrical purposes.

The series consists of three parts:

Part 1: Definitions and general requirements (IEC 62329-1)

Part 2: Methods of test (IEC 62329-2)

Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance

This standard gives one of the sheets comprising part 3 as follows:

Sheet 100: Heat-shrinkable moulded shape dimensions

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HEAT-SHRINKABLE MOULDED SHAPES –

Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance – Sheet 100: Heat-shrinkable moulded shape dimensions

1 Scope

This sheet of IEC 62329-3 gives the dimensional requirements for heat-shrinkable moulded shapes.

The moulded shapes may be supplied with a pre-coated adhesive. Refer to the manufacturers/suppliers for options.

These moulded shapes are normally supplied in the styles and dimensions given in Tables 1 to 22. The colour is normally black.

Styles and dimensions other than those specifically listed in Tables 1 to 22 may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in the sheets for material performance, with the exception of dimensions.

Materials that conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62329-1, *Heat-shrinkable moulded shapes – Part 1: Definitions and general requirements*

IEC 60757:1983, *Code for designation of colours*

3 Designation

The moulded shapes shall be designated as shown by the following example:

Description	IEC publication number	IEC Part number	IEC Sheet number c	IEC style/size code	Colour	Adhesive a	Drain holes b
↓ Moulded shapes	↓ IEC 62329	↓ 3	↓ 101	↓ B/01	↓ BK	↓ W1	↓ D

a Insert UC if uncoated.

b Insert N if no drain holes.

c Sheets for material requirements and compatibility performance.

Any abbreviation for colour shall comply with IEC 60757. Where no abbreviation is given, the colour shall be written in full.

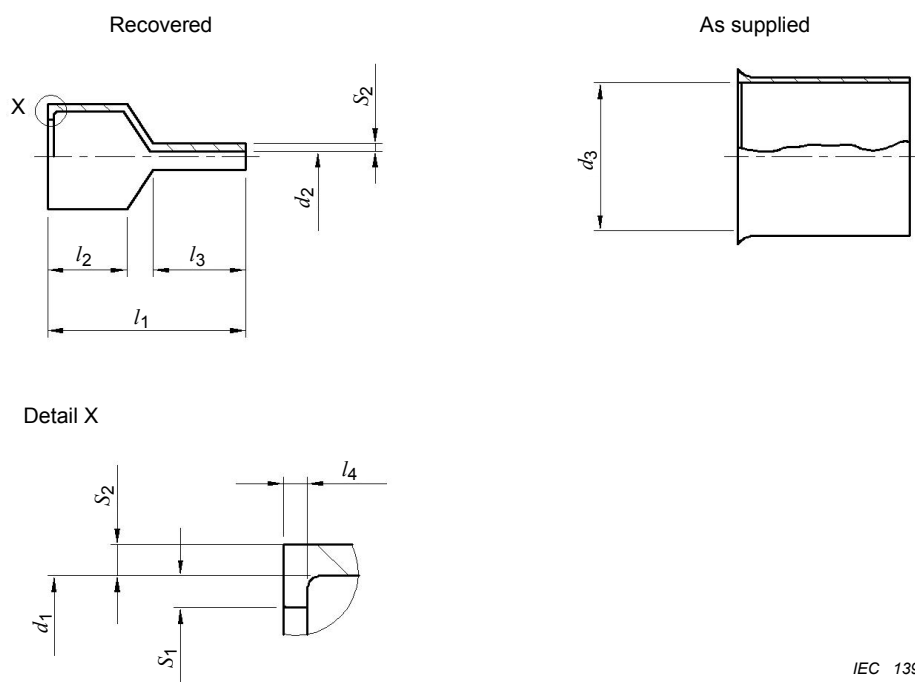
4 Requirements

In addition to the general requirements given in IEC 62329-1, the heat-shrinkable moulded shapes shall comply with the requirements in Tables and Figures 1 to 22 and the sheets for material and compatibility performance.

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IEC 1395/10

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Figure 1 – Style AA (small lipped bottle)

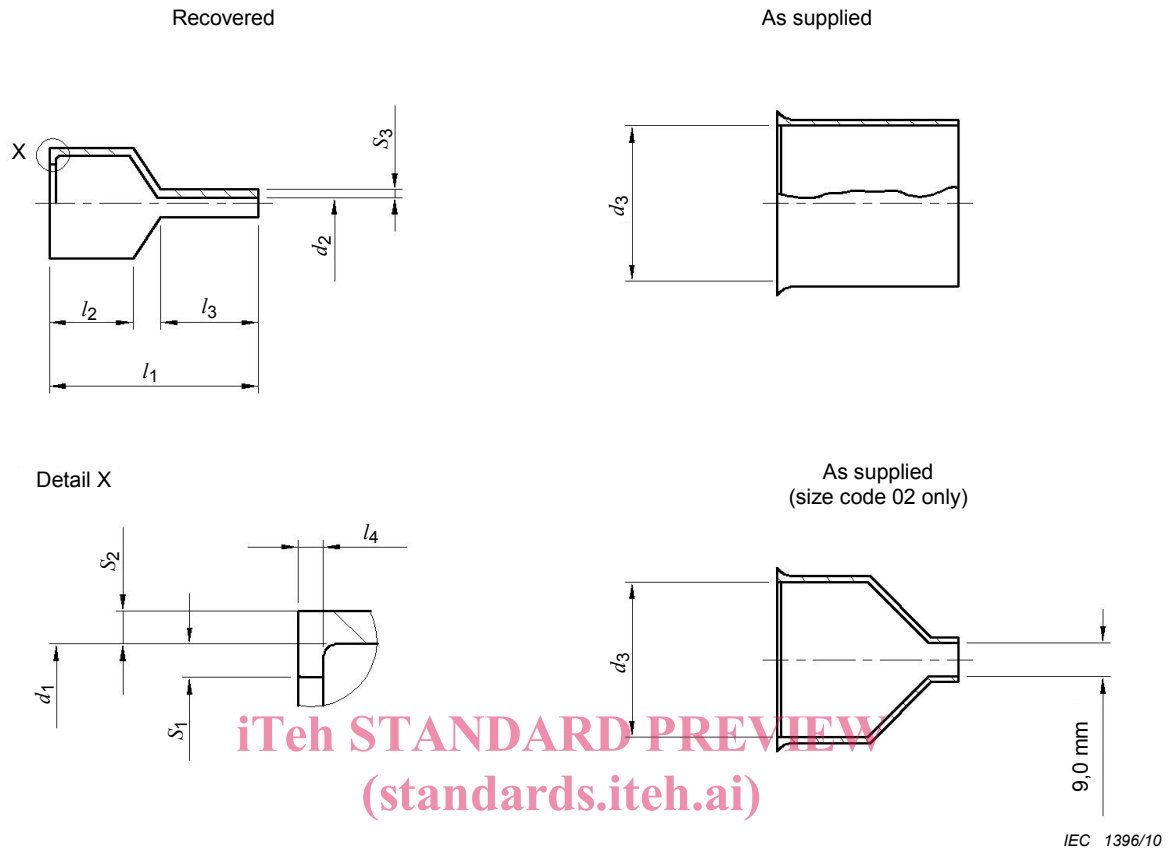
Table 1 – Dimensions in millimetres of style AA

Size code	d_1 max.	d_2 max.	d_3 min. ^a	l_1 $\pm 10\%$	l_2 ref.	l_3 ref.	l_4 max.	S_1 $\pm 20\%$	S_2 $\pm 20\%$	S_3 $\pm 30\%$	Max. mass g ^b
01	5,2	1,5	9,0	20,0	4,0	6,6	0,8	0,35	0,8	0,6	1,5
02	5,8	2,2	10,0	19,0	11,0	4,5	1,5	0,5	0,8	0,5	1,5
03	5,5	2,0	9,0	25,0	14,0	5,0	2,0	1,0	1,0	0,7	1,5
04	7,0	3,0	12,0			7,5			1,1		1,5
05	8,0	3,5	17,0	30,0	19,0	10,0			1,3		1,5
06	6,9	3,0		29,0	14,0	11,0			1,5		
07				39,0	24,0	1,5					

NOTE These parts may be available with eyelets for connector protection caps. Refer to the individual manufacturer.

^a Shapes made from some material types may be supplied with a reduced d_3 diameter. Refer to the individual manufacturer for exact dimensions.

^b The values of mass may be higher for some material types. Refer to the individual manufacturer.



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Figure 2 – Style A (lipped short bottle with short body)

Table 2 – Dimensions in millimetres of style A

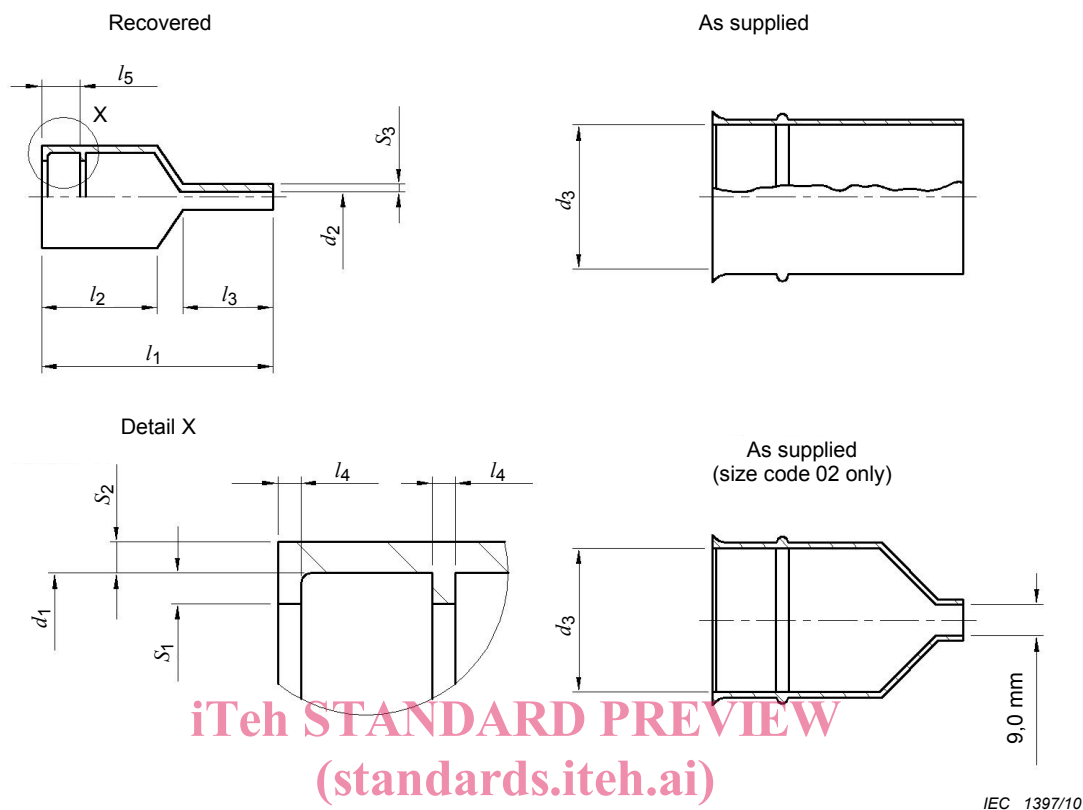
Size code	d_1 max.	d_2 max.	d_3 min. ^a	l_1 ±10 %	l_2 ref.	l_3 ref.	l_4 max.	s_1 ±20 %	s_2 ±20 %	s_3 ±30 %	Max. mass g ^b
01	10,5	6,0	24,0	26,0	9,0	10,0	3,3	1,0	1,6	^c	1,6
02	14,0	3,5	25,0	40,0	13,0	16,0			^c	3,3	
03	14,0	6,0	30,0	43,0	20,0	13,0			1,0	4,5	
04	18,0	7,0	31,0	47,0	15,0	18,0		5,5			
05	22,5	8,5	36,0	60,0	22,0	20,0		10,0			
06	28,0	10,0	43,0		21,0	20,0		12,7			
07	35,0	16,0	60,0	90,0	32,0	38,0		1,7	2,2	1,5	29,5
08	45,0	17,0	66,0	130,0	50,0	50,0		2,0	3,2		2,0
09	58,0	27,0	82,0	137,0	37,0	62,0			4,0	4,0	4,0

NOTE These parts may be available with eyelets for connector protection caps. Refer to the individual manufacturer.

^a Shapes made from some material types may be supplied with a d_3 reduced diameter. Refer to the individual manufacturer for exact dimensions.

^b The values of mass may be higher for some material types. Refer to the individual manufacturer.

^c For these small shapes, this dimension shall be between 0,35 mm and 1,0 mm.



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Figure 3 – Style B (lipped straight bottle with medium body)

Table 3 – Dimensions in millimetres of style B

Size code	d_1 max.	d_2 max.	d_3 min. ^a	l_1 ±10 %	l_2 ref.	l_3 ref.	l_4 max. ^d	l_5 ± 10 %	s_1 ± 20 %	s_2 ± 20 %	s_3 ± 30 %	Max. mass g ^b
01	10,5	6,0	24,0	38,0	21,0	10,0	3,3	12,0	1,0	1,6	^c	2,8
02	14,0	3,5	25,0	55,0	28,0	16,0		14,0		^c	4,4	
03	14,0	6,0	30,0	55,0	32,0	13,0		12,0		1,8	1,0	5,5
04	18,0	7,0	31,0	67,0	35,0	18,0		20,0	2,0	8,3		
05	22,5	8,5	36,0	80,0	42,0	20,0			2,2	14,5		
06	28,0	10,0	43,0	79,0	41,0	20,0		20,0	1,7	3,2	1,5	18,0
07	35,0	16,0	60,0	110,0	52,0	38,0			2,0	4,0	2,0	41,0
08	45,0	17,0	66,0	150,0	70,0	50,0					2,0	4,0
09	58,0	27,0	82,0	158,0	58,0	62,0					4,0	121,0

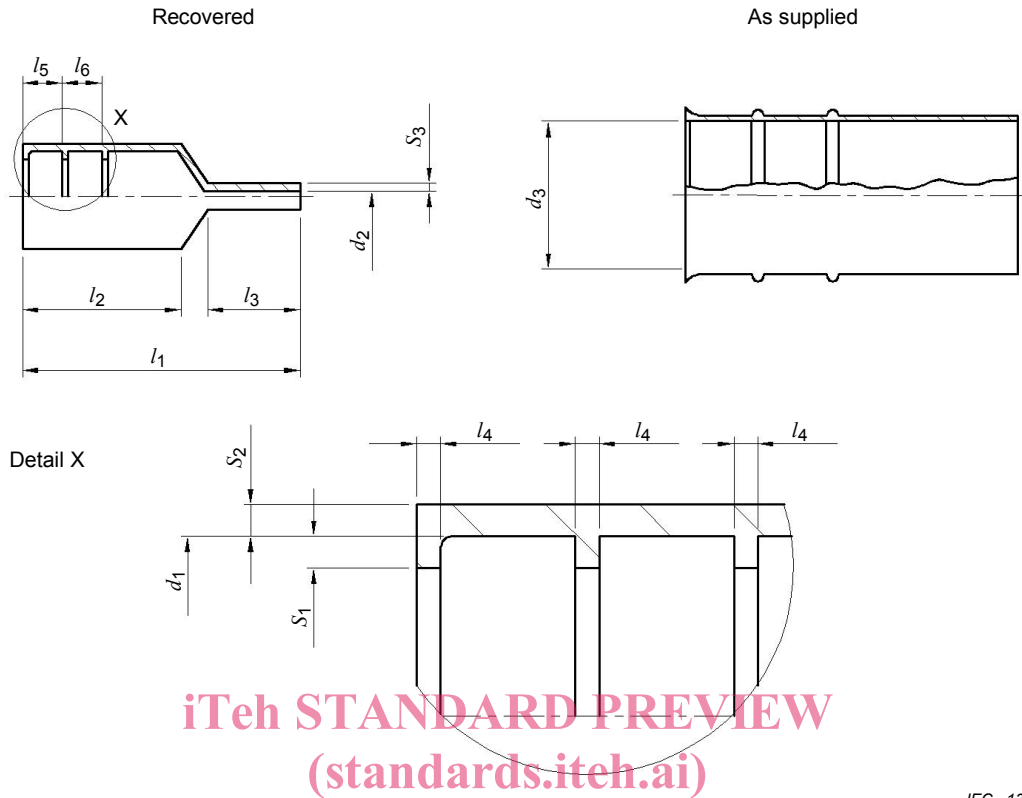
NOTE These parts may be available with eyelets for connector protection caps. Refer to the individual manufacturer.

^a Shapes made from some material types may be supplied with a d_3 reduced diameter. Refer to the individual manufacturer for exact dimensions.

^b The values of mass may be higher for some material types. Refer to the individual manufacturer.

^c For these small shapes, this dimension shall be between 0,35 mm and 1,0 mm.

^d The innermost lips are optional.



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IEC 62329-3-100:2010

Figure 4 – Style C (lippered straight bottle with long body)

Table 4 – Dimensions in millimetres of style C

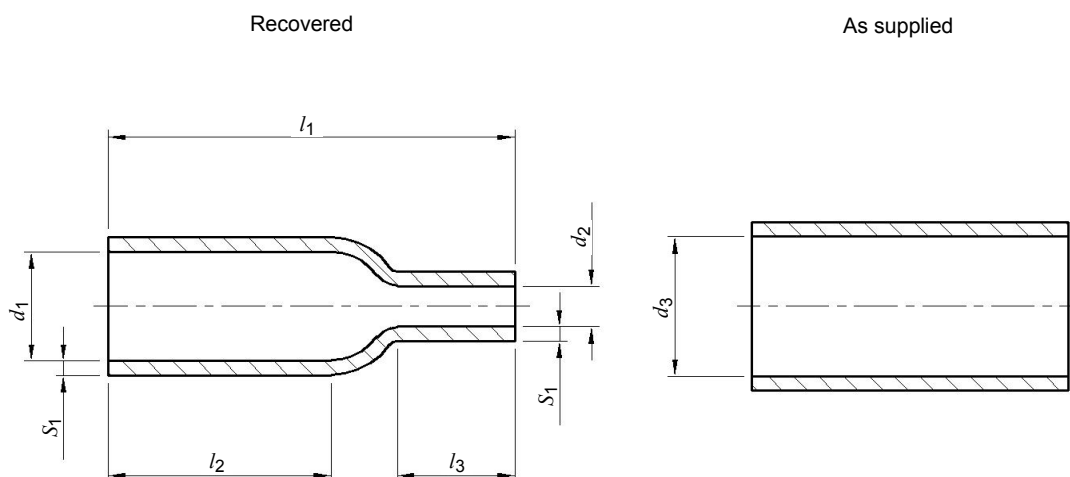
Size code	d_1 max.	d_2 max.	d_3 min. ^a	l_1 $\pm 10\%$	l_2 ref.	l_3 ref.	l_4 max.	l_5 $\pm 10\%$ ^c	l_6 $\pm 10\%$ ^c	s_1 $\pm 20\%$	s_2 $\pm 20\%$	s_3 $\pm 30\%$	Max. mass g ^b
01	28,0	10,0	43,0	99,0	61,0	20,0	3,3	20,0	20,0	1,7	2,2	1,0	24,5
02	35,0	16,0	60,0	130,0	72,0	38,0				2,0	3,2	1,5	50,0
03	45,0	17,0	66,0	171,0	90,0	50,0		2,0		4,0	2,0	103,0	
04	58,0	27,0	82,0	213,0	113,0	62,0		37,0		2,0	4,0	4,0	184,0
05	58,0	27,0	82,0	178	100,0	48		20		2,0	4,0	4,0	184,0

NOTE These parts may be available with eyelets for connector protection caps. Refer to the individual manufacturer.

^a Shapes made from some material types may be supplied with a d_3 reduced diameter. Refer to the individual manufacturer for exact dimensions.

^b The values of mass may be higher for some material types. Refer to the individual manufacturer.

^c The innermost lips are optional.



IEC 1399/10

Figure 5 – Style D (non-lipped straight bottle)

Table 5 – Dimensions in millimetres of style D

Size code	d_1 max.	d_2 max.	d_3 min. ^a	l_1 $\pm 10\%$	l_2 ref.	l_3 ref.	s_1 $\pm 20\%$	Max. mass g ^b
01	8,0	3,8	16,0	25,4	14,2	6,0	1,3	1,2
02	10,5	5,6	23,0	38,1	22,0	9,5	1,5	3,3
03	14,5	6,6	28,0	52,5	27,0	15,0	1,8	4,3
04	18,0	7,5	31,0	66,0	37,0	18,0	1,8	7,7
05	24,5	8,6	36,0	73,7	42,0	17,0	1,8	13,6
06	28,5	9,9	42,0	97,0	58,0	21,0	2,0	21,7
07	35,5	16,0	51,0	127,0	65,0	41,0	3,2	54,5
08	44,5	20,3	66,0	160,5	91,0	48,0	3,8	105,0
09	57,5	27,0	81,0	210,0	115,0	61,5	4,2	199,0

^a Shapes made from some material types may be supplied with a d_3 reduced diameter. Refer to the individual manufacturer for exact dimensions.

^b The values of mass may be higher for some material types. Refer to the individual manufacturer.