

BS EN 16063:2011



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Packaging — Rigid plastic containers — Nomenclature of plastic finishes

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National foreword

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English Version

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des bagues en plastique

Verpackung - Kunststoffbehältnisse - Bezeichnung von
Kunststoffverschlussmundstücken

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Foreword

This document (EN 16063:2011) has been prepared by Technical Committee CEN/TC 261 "Packaging", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

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Introduction

This European Standard is based on the ISBT (International Society of Beverage Technologists) Thread Nomenclature Card [1].

Efficient packaging is of great importance for the distribution and the protection of goods. Insufficient or inappropriate packaging can lead to damage or wastage of the contents of the pack.

1 Scope

This European Standard specifies the dimension nomenclature for plastic finishes.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

lead

axial distance between two consecutive points of intersection of a helix by a line parallel to the axis of the cylinder on which it lies

NOTE The axial movement of a thread part rotated one turn.

2.2

pitch

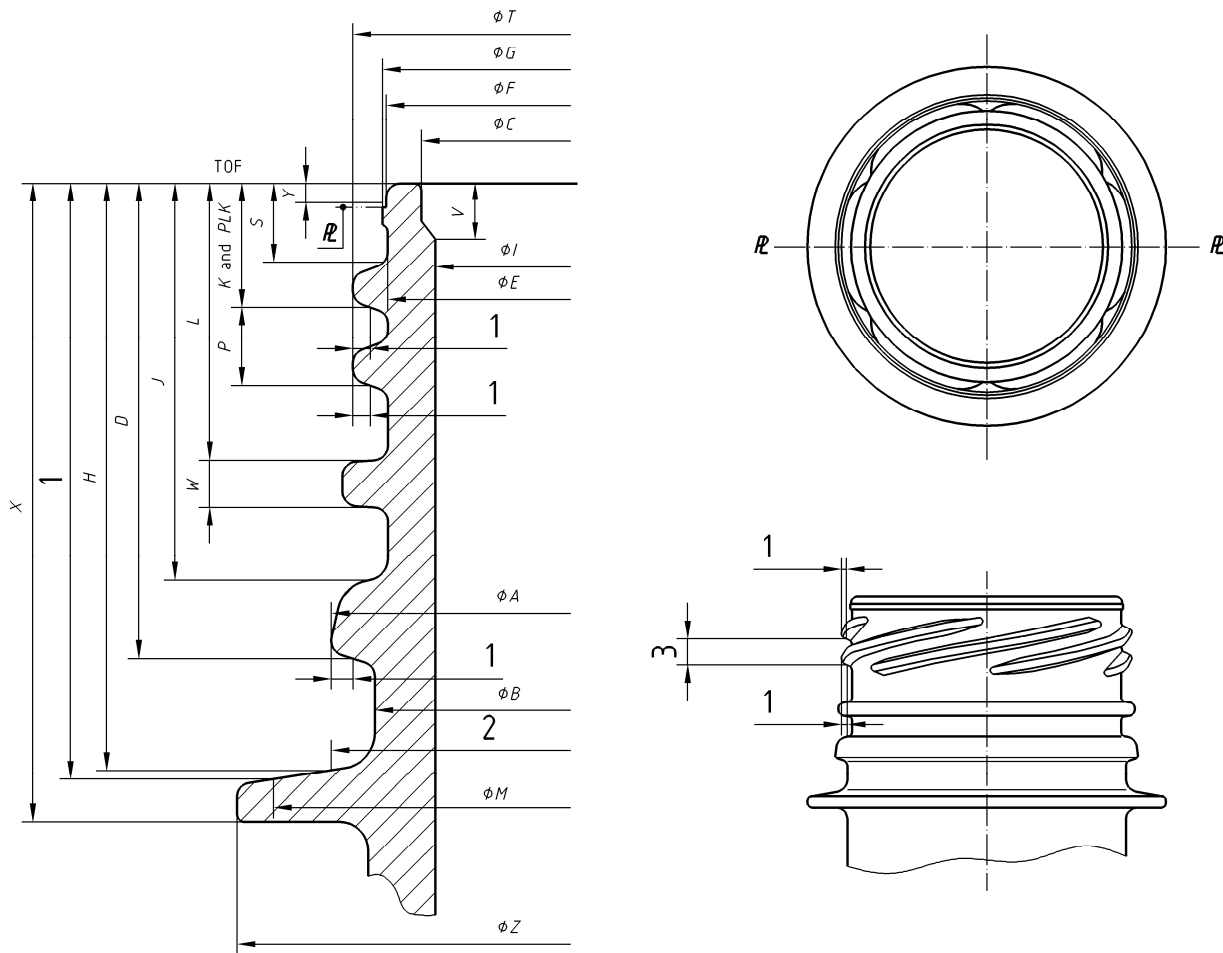
distance measured parallel with its axis between corresponding points on adjacent thread forms in the same axial plane and on the same side of the axis

NOTE Equals the lead divided by the number of thread starts.

3 Requirements

Figure 1 gives the points which can be measured on thread finishes.

All defined points are not necessarily required or measured.



NOTE Reference dimensions are shown in parentheses.

Key

A	Tamper evident bead diameter	PLK	Height from TOF to the gauge point of first full thread taken at parting line (clockwise from thread start position)
B	Tamper evident band recess diameter	S	Height from TOF to start of full depth of thread
B	Helix angle at pitch diameter \varnothing pitch = $1/2 (\varnothing T + \varnothing E)$ (not shown)	T	Thread crest diameter
C	Control diameter at TOF	TOF	Top of finish
D	Tamper evident bead height measured from TOF to Gauge PT	V	Control diameter depth
E	Thread root diameter	W	Width of bead
F	Upper ring diameter	X	Height from TOF to bottom of support ledge
G	Lower ring diameter	Y	Seal control length
H	Clearance height required for proper closure function	Z	Maximum diameter on support ledge
I	Minimum diameter thru finish	Gauge PT	A point which may be required for construction or inspection of geometry
J	Height from TOF to the TOP of tamper – evident bead	INT PT	Intersection point
K	Height from TOF to the gauge point at start of full thread (at thread start position)	TAN PT	Tangency point
L	Height from TOF to TOP of bead	Construction	Dimension provided for creation of geometry and not for general inspection
M	Construction gauge PT on support ledge	(1)	Gauge PT
P	Thread pitch (measured from K)	(2)	Gauge PT at $\varnothing A$ or $\varnothing T$ preferred
PL	Parting line	(3)	P at Gauge PT

Figure 1 — Points which can be measured on thread finishes

Bibliography

- [1] Thread Nomenclature Card ISBT (International Society of Beverage Technologists) 14070 Proton Rd. Suite 100, LB 9 Dallas TX 75244-3601 USA <http://www.bevtech.org>

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