
INTERNATIONAL STANDARD



3541

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Earth-moving machinery — Dimensions of fuel filler opening

Engins de terrassement — Dimensions de l'orifice de remplissage du fuel

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ISO 3541:1975

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Descriptors : earth handling equipment, refuelling, filling devices, orifices, dimensions.

Price based on 2 pages

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3541 was drawn up by Technical Committee ISO/TC 127, *Earth-moving machinery*, and circulated to the Member Bodies in October 1974.

It has been approved by the Member Bodies of the following countries :

Australia	Ireland	Sweden
Austria	Japan	Turkey
Bulgaria	Netherlands	United Kingdom
Chile	Poland	U.S.A.
Czechoslovakia	Romania	U.S.S.R.
Finland	South Africa, Rep. of	Yugoslavia
France	Spain	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Germany
Italy

Earth-moving machinery — Dimensions of fuel filler opening

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1 SCOPE AND FIELD OF APPLICATION

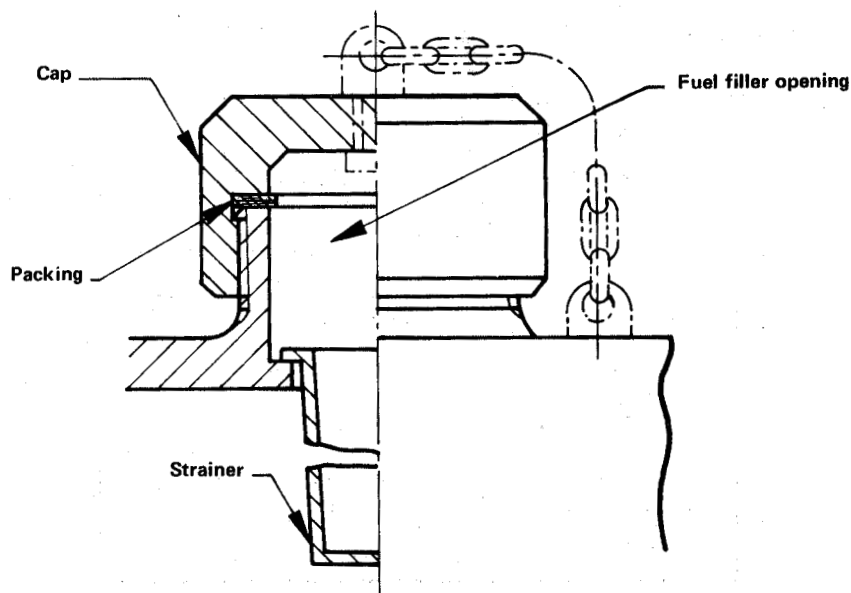
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This International Standard lays down the dimensions of fuel filler openings and caps for earth-moving machinery.

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2 TERMINOLOGY <https://standards.iteh.ai/catalog/standards/sist/ef417355-e465-473e-ba1b-8e9397edd5ac/iso-3541-1975>

The terminology relating to the parts of the fuel filler opening is as follows.

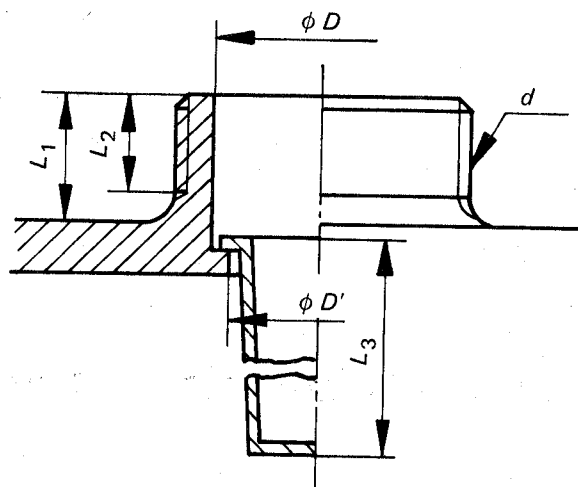


3 SIZES

Fuel filler openings shall be of three nominal sizes : 50, 75 and 100 mm.

4 DIMENSIONS

4.1 Fuel filler opening



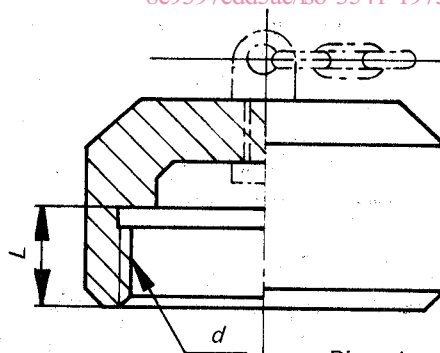
Dimensions in millimetres
(Inch values in parentheses)¹⁾

Nominal size	Nominal size of thread d	D min.	D'	L_1 min.	L_2	L_3 min.
50 (2)	M 60 × 3 (2 1/2 – 12UN)	50 (2)	40 (1 5/8)			
75 (3)	M 90 × 3 (3 1/2 – 12UN)	75 (3)	65 (2 9/16)	30 (1 1/4)	20 (7/8)	300 (12)
100 (4)	M 120 × 3 (4 3/4 – 12UN)	100 (4)	90 (3 9/16)			

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4.2 Cap



Dimensions in millimetres
(Inch values in parentheses)¹⁾

Nominal size	Nominal size of thread d	L
50 (2)	M 60 × 3 (2 1/2 – 12UN)	18 (3/4)
75 (3)	M 90 × 3 (3 1/2 – 12UN)	
100 (4)	M 120 × 3 (4 3/4 – 12UN)	

4.3 Connection of cap to fuel tank

The cap should be connected to the fuel tank by a chain or similar link.

¹⁾ The inch threads shown are not interchangeable with the metric threads.