

# International Standard



# 7747

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

## Road vehicles — Filter elements for full flow oil filters — Dimensions

*Véhicules routiers — Éléments de filtre pour filtres à huile plein débit — Dimensions*

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[ISO 7747:1983](https://standards.iteh.ai/catalog/standards/sist/edcd0945-4114-45e1-b396-553f5ad1d3b7/iso-7747-1983)

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 7747 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in November 1981.

It has been approved by the member bodies of the following countries :

Austria	Germany, F. R.	Poland
Belgium	Hungary	Romania
Brazil	Italy	South Africa, Rep. of
Bulgaria	Japan	Spain
China	Korea, Dem. P. Rep. of	Sweden
Czechoslovakia	Korea, Rep. of	Switzerland
Egypt, Arab Rep. of	Netherlands	USA
France	New Zealand	USSR

The member body of the following country expressed disapproval of the document on technical grounds :

United Kingdom

# Road vehicles — Filter elements for full flow oil filters — Dimensions

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## 1 Scope and field of application

This International Standard specifies the essential dimensional characteristics necessary for the interchangeability of filter elements for full flow oil filters generally used in road vehicles.

Most filter elements are specified with two alternative internal diameters,  $D_2$ ; however, the values listed in the “preferred” column of the table are recommended for future equipment.

This International Standard may be used for other oil filter applications where no specific standard exists.

## 2 Dimensions

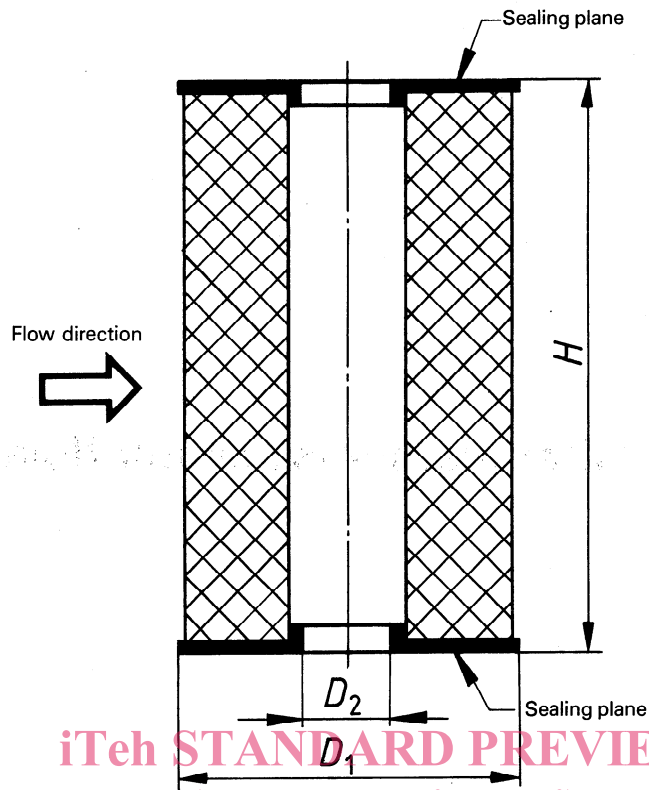
See the figure and the table for circular type elements without gasket (type A).

NOTE — Details not specified in this International Standard are left to the manufacturer's choice.

## 3 Designation

Example of the designation of a filter element of type A (without gasket) with the dimensions  $D_1 = 120$  mm,  $D_2 = 56$  mm and  $H = 196$  mm :

**Filter element ISO 7747 — A 120 × 56 × 196**



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Figure

ISO 7747:1983

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Table

Dimensions in millimetres

No.	$D_1$ max.	$D_2$			$H^{1)}$
		Preferred	Alternative	Tolerance	
1	42	13	—	$+ 0,5$ $0$	64 100 117 134
2	60	18	—		64 100 117 134 165
3	70	26	33	$+ 1$ $0$	100 117 134 165 196
4	75	26	33		100 117 134 165 196
5	85	26	33		100 117 134 165 196
6	100	30	40	$+ 1$ $0$	100 117 134 165 196 234
7	110	48	36		117 134 165 196 234
8	120	56	42		134 165 196 234
9	130	60	56	$+ 1$ $0$	165 196 234 265
10	140	80	—		165 196 234 265
11	152	88	80		165 196 234 330

1) Tolerance for all future elements shall be

- $0$  up to 100 mm;
- $-1,5$
- $0$  above 100 up to 200 mm;
- $-2$
- $0$  above 200 mm.
- $-3$