

INTERNATIONAL STANDARD

**ISO
6415**

Second edition
1990-12-15

Internal combustion engines — Spin-on filters for lubricating oil — Dimensions

Moteurs à combustion interne — Filtres à huiles vissés — Dimensions

Preview



Reference number
ISO 6415:1990(E)

Dit document mag slechts op een stand-alone PC worden geïnstalleerd. Gebruik op een netwerk is alleen toestaan als een aanvullende licentieovereenkomst voor netwerkgebruik met NEN is afgesloten. This document may only be used on a stand-alone PC. Use in a network is only permitted when a supplementary license agreement for us in a network with NEN has been concluded.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6415 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

This second edition cancels and replaces the first edition (ISO 6415:1981), of which it constitutes a technical revision.

© ISO 1990

All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Internal combustion engines — Spin-on filters for lubricating oil — Dimensions

1 Scope

This International Standard specifies the essential dimensions necessary for interchangeability of spin-on filters of the full flow type for the filtration of lubricating oil for internal combustion engines. It also gives the designation and marking of these filters.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 68:1973, *ISO general purpose screw threads — Basic profile*.

ISO 261:1973, *ISO general purpose metric screw threads — General plan*.

ISO 965-1:1980, *ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data*.

ISO 965-3:1980, *ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional threads*.

3 Requirements

3.1 Connection thread and sealing surface

NOTE 1 The use of filters with unified threads is discouraged to avoid the danger of mis-matching.

The dimensions of the male and female connection threads and of the sealing surface are specified in figure 1 and table 1. The thread shall conform to ISO 68, ISO 261, ISO 965-1 and ISO 965-3.

The sealing surface shall be continuous and free from porosity, scratches and nicks.

Dimensions in millimetres unless specified otherwise

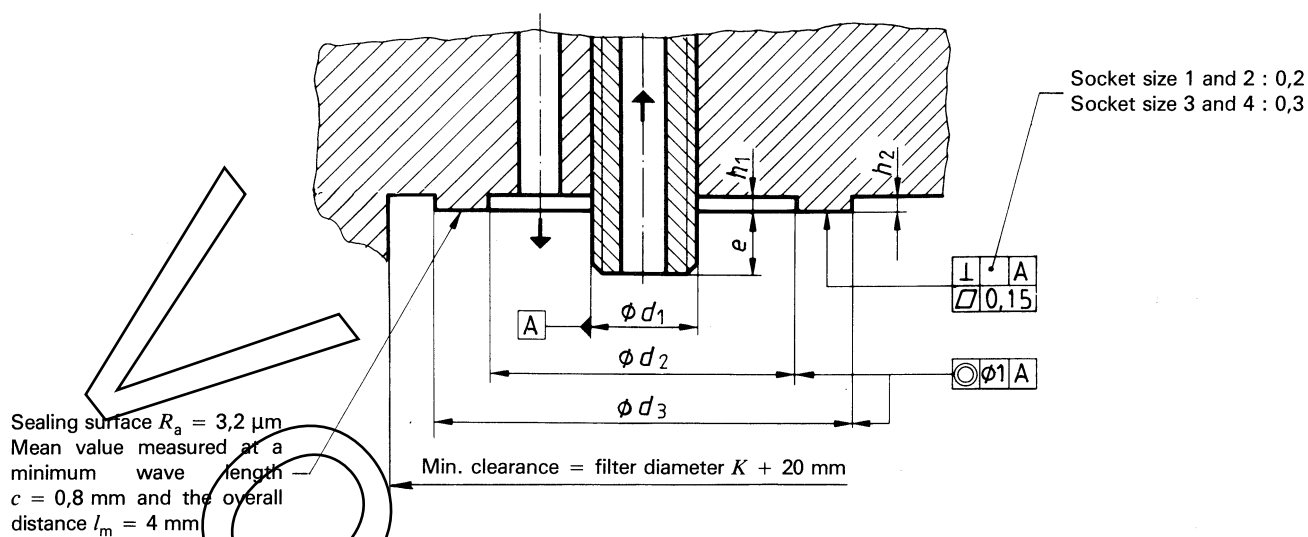


Figure 1 — Connection and sealing surface

Table 1 — Dimensions of connection threads and sealing surface

Values in millimetres

Socket size	Connection thread				Sealing surface			
	d_1	Tolerance stud thread	filter thread	e min. max.	d_2 max.	d_3 min.	h_1 min.	h_2 min.
1	M20 × 1,5	6g	6H	14 20	58	76	2	2
2	M26 × 2	6g	6H	14 20	58	76	2	2
3	M30 × 2	6g	6H	16 22	90	113	4	2
4	M38 × 2	6g	6H	16 22	90	113	4	2

NOTE — M16 × 1,5 and M24 × 1,5 have been reserved for spin-on fuel filters.

1) The stud shall be threaded over the full distance e . When the filter has been tightened, at least three full threads shall be in contact.

Bestelformulier

NEN

Stuur naar:

NEN Standards Products & Services
t.a.v. afdeling Klantenservice
Antwoordnummer 10214
2600 WB Delft

NEN Standards Products & Services

Postbus 5059
2600 GB Delft

Vlinderweg 6
2623 AX Delft

T (015) 2 690 390
F (015) 2 690 271

www.nen.nl/normshop

Ja, ik bestel

__ ex. ISO 6415:1990 en Internal combustion engines - Spin-on filters for lubricating oil - Dimensions € 31.57

Wilt u deze norm in PDF-formaat? Deze bestelt u eenvoudig via www.nen.nl/normshop

Gratis e-mailnieuwsbrieven

Wilt u op de hoogte blijven van de laatste ontwikkelingen op het gebied van normen, normalisatie en regelgeving? Neem dan een gratis abonnement op een van onze e-mailnieuwsbrieven. www.nen.nl/nieuwsbrieven

Retourneren

Fax: (015) 2 690 271
E-mail: klantenservice@nen.nl
Post: NEN Standards Products & Services,
t.a.v. afdeling Klantenservice
Antwoordnummer 10214,
2600 WB Delft
(geen postzegel nodig).

Gegevens

Bedrijf / Instelling _____

T.a.v. _____ O M O V

E-mail _____

Klantnummer NEN _____

Uw ordernummer _____ BTW nummer _____

Postbus / Adres _____

Postcode _____ Plaats _____

Telefoon _____ Fax _____

Factuuradres (indien dit afwijkt van bovenstaand adres)

Postbus / Adres _____

Postcode _____ Plaats _____

Datum _____ Handtekening _____

Voorwaarden

- De prijzen zijn geldig tot 31 december 2016, tenzij anders aangegeven.
- Alle prijzen zijn excl. btw, verzend- en handelingskosten en onder voorbehoud bij o.m. ISO- en IEC-normen.
- Bestelt u via de normshop een pdf, dan betaalt u geen handeling en verzendkosten.
- Meer informatie: telefoon (015) 2 690 391, dagelijks van 8.30 tot 17.00 uur.
- Wijzigingen en typfouten in teksten en prijsinformatie voorbehouden.
- U kunt onze algemene voorwaarden terugvinden op: www.nen.nl/leveringsvoorwaarden.