INTERNATIONAL STANDARD

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Diesel engines — Fuel injection pumps and fuel injector low-pressure connections -

Part 2: Non-threaded (push-on) connections

- F. st port. zords non fi Moteurs diesels — Raccords basse pression pour pompes d'injection de combustible et porte-injecteurs de combustible complets ----

Partie 2: Raccords non filetés (à pression)

Reference number ISO 13948-2:2012(E)



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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 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 13948-2 was prepared by Technical Committee ISO/TC 22, Road vehicles, Subcommittee SC 7, Injection equipment and filters for use on road vehicles.

This second edition cancels and replaces the first edition (ISO 13948-2:2000), which has been technically revised.

ISO 13948 consists of the following parts, under the general title Diesel engines — Fuel injection pumps and A TRUE WOONDATE OF DE LE CONTRACTOR DE L fuel injector low-pressure connections:

- Part 1: Threaded connections
- Part 2: Non-threaded (push-on) connections

Introduction

It is recognized that a large variety of low-pressure connections exist on fuel injection equipment, using different sealing principles as well as designs. This International Standard attempts to provide the user with a common set of preferred types.

<text> This International Standard is divided into two parts, covering threaded connections (ISO 13948-1) and nonthreaded (push-on) connections (ISO 13948-2) for use with low-pressure fuel supply and return, boost air pressure and lubricating oil supply and return.

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Diesel engines — Fuel injection pumps and fuel injector lowpressure connections —

Part 2: Non-threaded (push-on) connections

1 Scope

This part of ISO 13948 specifies requirements for the connection ends of push-on connections used with fuel injection equipment.

Three types of push-on connections (types A, B and C) are described in this part of ISO 13948.

NOTE Low-pressure connections to fuel filters are covered in other International Standards; see the bibliography. High-pressure end-connections for pumps and injectors are covered in ISO 2974 and ISO 13296.

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.

ISO 7876 (all parts), Fuel injection equipment — Vocabulary

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 7876 apply.

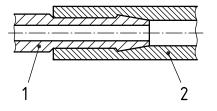
4 Connection designs and applications

4.1 Type A: nipple connection

Example: see Figure 1.

This design is intended for use directly with the mating hose (2) or in conjunction with a retaining clip around the hose (not shown) for a more secure connection.

The nipple (1) can be machined (see Figure 4), formed (see Figures 5 and 6) or moulded (see Figure 7).



Key

1 nipple

2 hose

Figure 1 — Type A connection (principle)

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