

Submitted for recognition as an American National Standard

**DIESEL FUEL INJECTOR ASSEMBLY TYPE 28 (9.5 MM)**

This document references ISO 2698.

**Foreword**—This Document has also changed to comply with the new SAE Technical Standards Board Format.

1. **Scope**—This document specifies the dimensional requirements necessary for the mounting and interchangeability of a type of fuel injector used in diesel engines.

1.1 **Field of Application**—This document applies to a clamp-mounted fuel injector of an integral nozzle and nozzle holder design with a 9.5 mm (nominal) holder shank diameter and a 5.5 mm (nominal) nozzle body tip diameter and deals with the interface between the injector and the engine. The internal construction of the injector remains optional with the manufacturer.

2. **References**

2.1 **Related Publication**—The following publication is provided for information purposes only and is not a required part of this document.

2.1.1 ISO PUBLICATION—Available from ANSI, 11 West 42nd Street, New York, NY 10036-8002.

ISO 2698—Diesel engines—Clamp-mounted fuel injectors, types 7 and 28

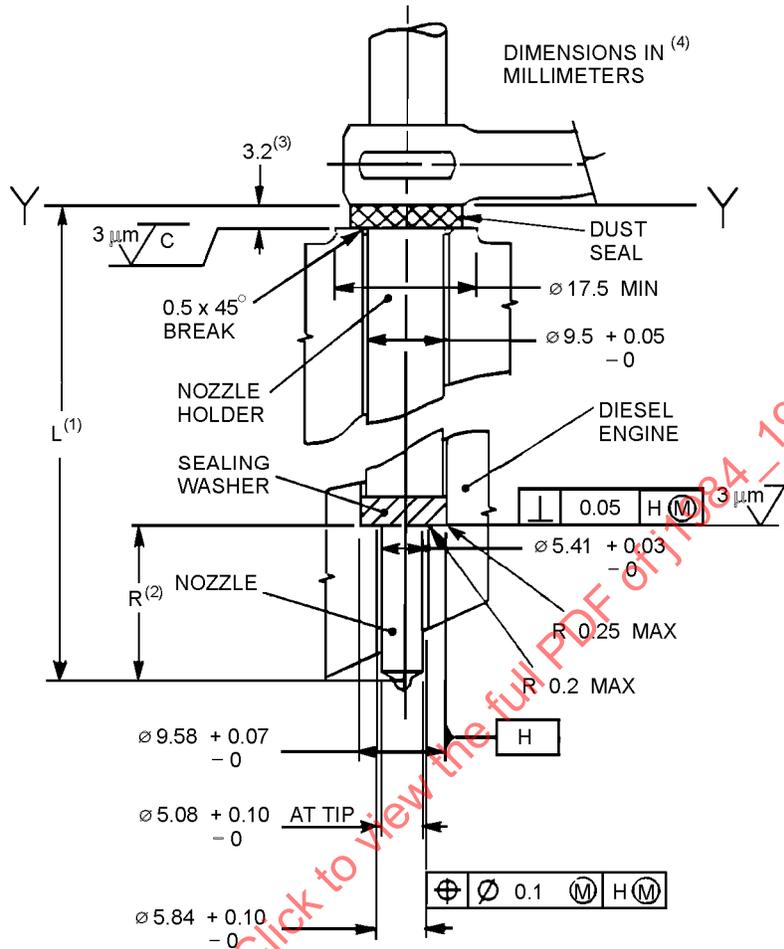
3. **Description**—Figure 1 illustrates interface dimensions and length "L" shank length plus the tip protrusion dimension from the holder. The location and dimensions of the fuel inlet, leak-off connections, and clamp design are not defined since they vary according to the particular application.

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- 1 This dimension determines the distance between the reference plane (Y-Y) and the point of intersection of the nozzle orifices with the fuel injector axis.
- 2 This dimension determines the distance between the compressed sealing washer and the point of intersection of the nozzle orifices with the fuel injector axis and varies with nozzle sac design.
- 3 With commercial tolerances
- 4 Dimensions are conversions from existing English Units.

FIGURE 1—DIMENSIONS AND TOLERANCES

4. Notes

4.1 **Marginal Indicia**—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

PREPARED BY THE SAE DIESEL FUEL INJECTION EQUIPMENT STANDARDS COMMITTEE