

Submitted for recognition as an American National Standard

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

This SAE Standard is equivalent to ISO 2698.

**Foreword**—This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. **Scope**—This SAE Standard 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 is applicable to a clamp-mounted fuel injector of an integral nozzle and nozzle holder design with a 9.5 mm (nominal) holder shank diameter and deals only with the interface between the injector and the engine. The internal construction of the fuel 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

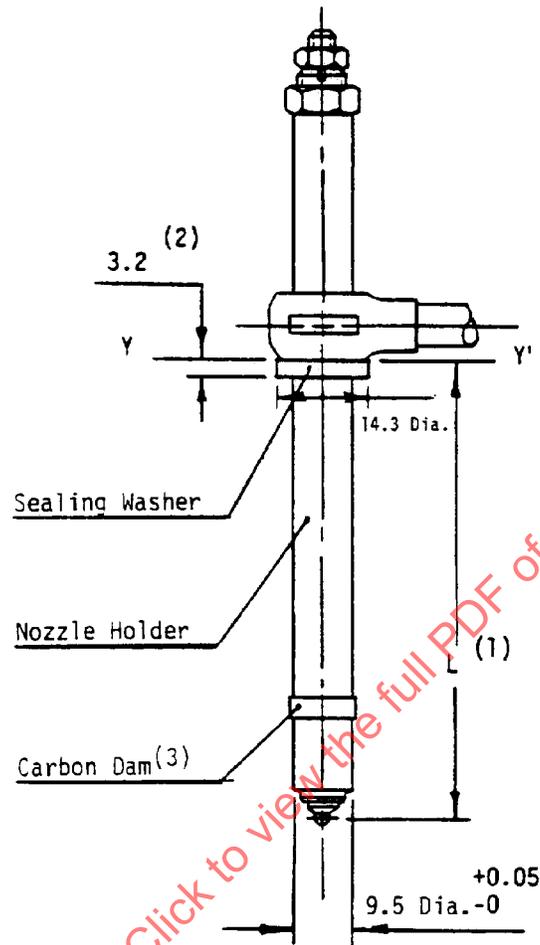
3. **Description**—Figure 1 illustrates the shank length “L”. Dimensions of the fuel inlet, leak-off connections, and method of hold-down are optional and, therefore, are not shown.

Figure 2 illustrates the engine bore details.

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SHANK LENGTHS

(1) $L \pm 0.3$
Variable

1. This dimension determines the distance between the reference plane Y-Y' and the point of intersection of nozzle orifice with the fuel injector axis and varies with application
2. With commercial tolerances, before compression
- 3 Carbon Dam OD to provide radial seal with engine bore

FIGURE 1—SHANK LENGTH "L"

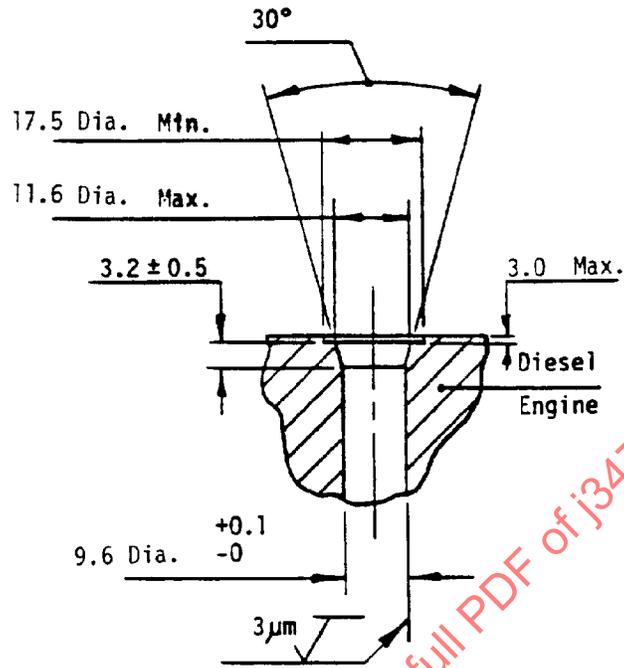


FIGURE 2—ENGINE BORE DETAILS

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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 DIESEL FUEL INJECTION EQUIPMENT STANDARDS COMMITTEE

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