



SURFACE VEHICLE STANDARD

J629™

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Revised	1991-04
Reaffirmed	2002-12
Cancelled	2015-11

Superseded by ISO 12156-1 and -2

Diesel Fuel Injector Assembly - Flange Mounted Types 5 and 6

RATIONALE

SAE J629 has been cancelled because the content of this standard is fully covered by ISO 12156-1 and -2. Therefore, to eliminate such redundancy and confusion in coordinating the standards between ISO and SAE, this document is declared cancelled and superseded by ISO 12156-1 and -2.

CANCELLATION NOTICE

This Technical Report has been declared "CANCELLED" as of September 2015 and has been superseded by ISO 12156-1 and -2. By the action, this document will remain listed in the respective index, if applicable. Cancelled Technical Reports are available from SAE.

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1. **Scope**—This SAE Standard specifies the dimensional requirements necessary for the mounting and interchangeability of two types of fuel injectors in diesel engines.

The location and dimensions of the fuel inlet, leak-off connections, and flange design are not defined since they may vary according to the particular application.

- 1.1 **Field of Application**—This document is applicable to nozzle holder types 5 and 6 of a flange mounted design with a 21.0 mm (nominal) shank diameter used with size “S” nozzles specified in ISO 2697. The internal construction of the fuel injector remains optional with the manufacturer.

2. References

- 2.1 **Applicable Publication**—The following publication forms a part of this publication to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 ISO PUBLICATION—Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002.

ISO 2697—Road vehicles—Fuel injection nozzles—Size “S”

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

2.2.1 ISO PUBLICATIONS—Available from ANSI, 1430 Broadway, New York, NY 10018.

ISO 2699—Road vehicles—Flange-mounted injection nozzle holders size “S” - Types 2, 3, 4, 5, and 6

3. **Dimensions and Tolerances**—With the aid of detail enlargements “Z₁” and “Z₂”, Figure 1 illustrates the length and diameters of the nozzle, sealing washer, nozzle retaining nut, and the nozzle holder as related to the interface between the injector and the bore in the engine.

Note that two basic nozzle types are shown: (A) hole-type and (B) pintle.

Dimensions and requirements not given in this document are left to the discretion of the manufacturer.