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SAE J347 JUL88

**Diesel Fuel Injector
Assembly Type 7
(9.5 mm)**

**SAE Standard
Revised July 1988**

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Submitted for Recognition as
an American National Standard

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HIGHWAY VEHICLE STANDARD

SAE J347

Submitted for recognition as an American National Standard

Issued July 1968
Revised July 1988

Superseding J347 MAY78

DIESEL FUEL INJECTOR ASSEMBLY TYPE 7 (9.5 mm)

1. SCOPE:

This standard specifies the dimensional requirements necessary for the mounting and interchangeability of a type of fuel injector used in diesel engines.

2. FIELD OF APPLICATION:

This standard is applicable to a 9.5 mm (nominal) shank diameter clamp mounted fuel injector and deals only with the interface between the injector and the engine. The internal construction of the fuel injector remains optional with the manufacturer.

3. DESCRIPTION:

Fig. 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.

Fig. 2 illustrates the engine bore details.

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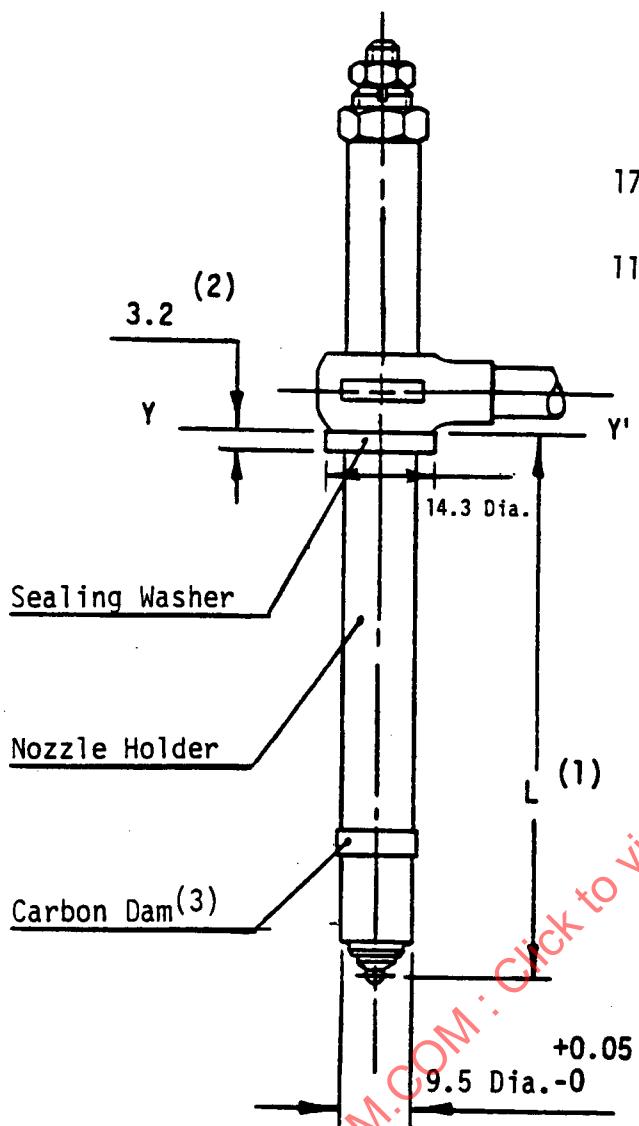


FIGURE 1

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;
2. With commercial tolerances, before compression;
3. Carbon Dam O.D. to provide radial seal with engine bore;

SHANK LENGTHS:

(1)	$L \pm 0.3$
	Variable

The phi (ϕ) symbol is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. If the symbol is next to the report title, it indicates a complete revision of the report.

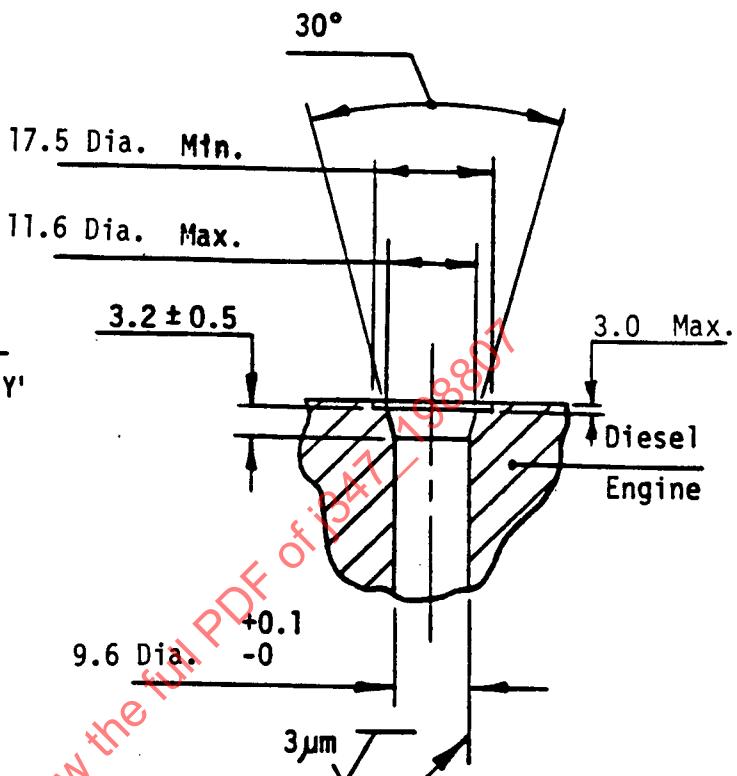


FIGURE 2

RATIONALE:

Not applicable.

RELATIONSHIP OF SAE STANDARD TO ISO STANDARD:

ISO 2698

APPLICATION:

This standard specifies the dimensional requirements necessary for the mounting and interchangeability of a type of fuel injector used in diesel engines.

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