



SURFACE VEHICLE STANDARD

J626™

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Revised	1988-06
Reaffirmed	1998-08
Cancelled	2015-11

Superseded ISO 7299-1

Diesel Fuel Injection - End-Mounting Flanges for Fuel Injection Pumps

RATIONALE

SAE J626 has been cancelled because the content of this standard is fully covered by ISO 7299-1. Therefore, to eliminate such redundancy and confusion in coordinating the standards between ISO and SAE, this document is declared cancelled and superseded by ISO 7299-1.

CANCELLATION NOTICE

This Technical Report has been declared "CANCELLED" as of September 2015 and has been superseded by ISO 7299-1. 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 dimensional requirements for eight types of end-mounting flange for fuel injection pumps for use in diesel (compression ignition) engines.

2. References

2.1 Applicable Publication—The following publication forms a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1419—Tapers for Shaft Ends and Hubs for Fuel Injection Pumps (Reference ISO 6519)

3. Dimensions and Tolerances

3.1 General—Engine manufacturers are encouraged to use the tolerance H8 for the female register diameter.

If functionally necessary, the tolerance g8 of the pump spigot diameter (ϕA in the figures) may be replaced by f7, and the tolerance H8 of the female register diameter may be replaced by H7, by mutual agreement between supplier and user.

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3.2 Fuel Injection Pumps

3.2.1 TYPE 1 FLANGE—See Figure 1 and Table 1.

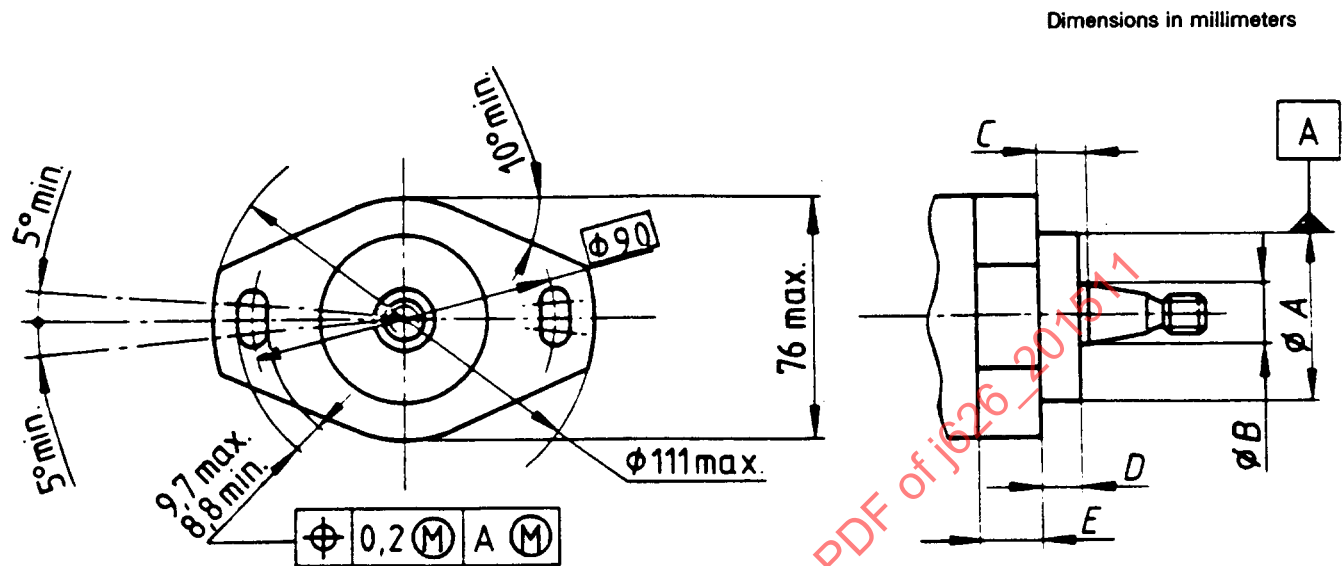


FIGURE 1—FUEL INJECTION PUMPS—TYPE 1 END-MOUNTING FLANGE

TABLE 1—FUEL INJECTION PUMPS—TYPE 1 END-MOUNTING FLANGE
Dimensions in millimeters

A g8	B ⁽¹⁾ nominal	C ±0.5	D max	E
50 or 68	17 or 20	12.5	11	13–16
50 or 68	17 or 20	26	24.5	13–16

1. See SAE J1419.

3.2.2 TYPE 2 FLANGE—See Figure 2 and Table 2.

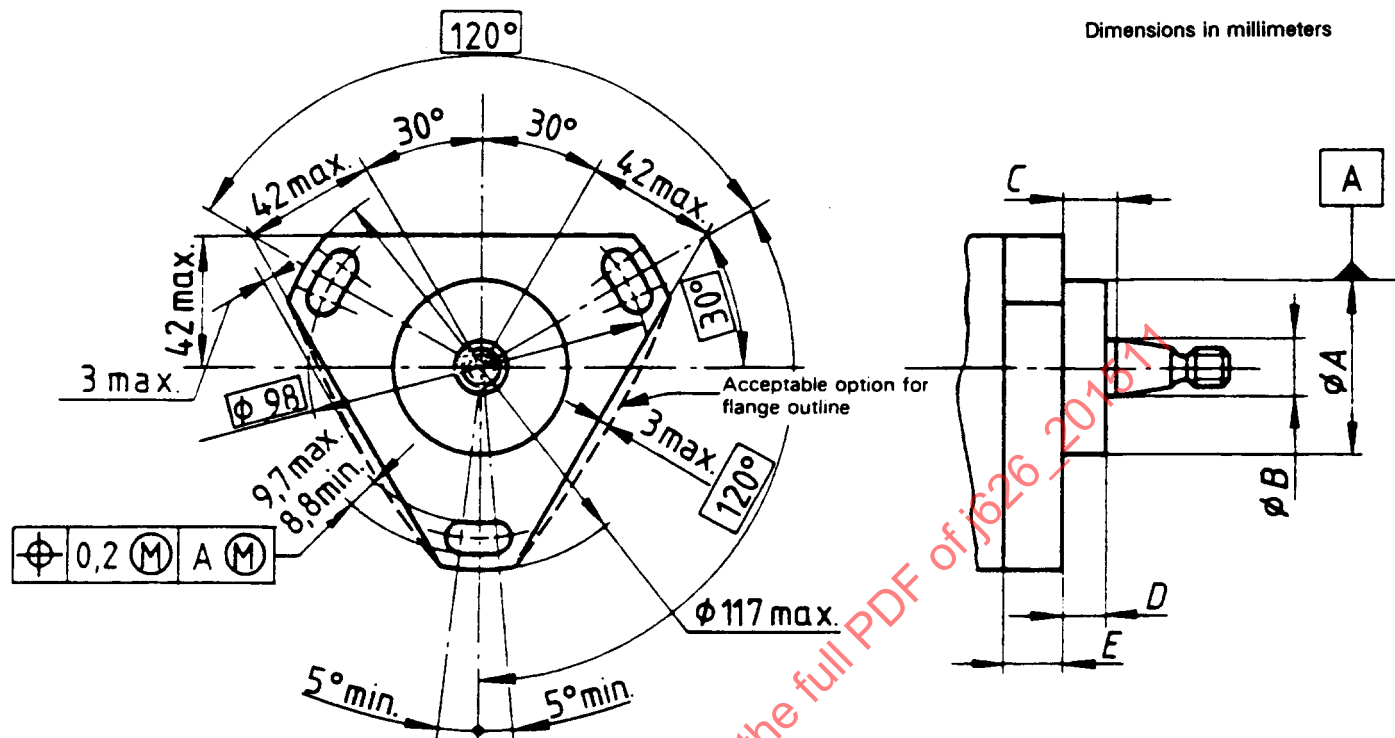


FIGURE 2—FUEL INJECTION PUMPS—TYPE 2 END-MOUNTING FLANGE

TABLE 2—FUEL INJECTION PUMPS—TYPE 2 END-MOUNTING FLANGE

Dimensions in millimeters

A g8	B ⁽¹⁾ nominal	C ±0.5	D max	E
50 or 68	17 or 20	12.5	11	13–16
50 or 68	17 or 20	17.4	16	13–16
50 or 68	17 or 20	26	24.5	13–16

1. See SAE J1419.

Dimensions in millimeters

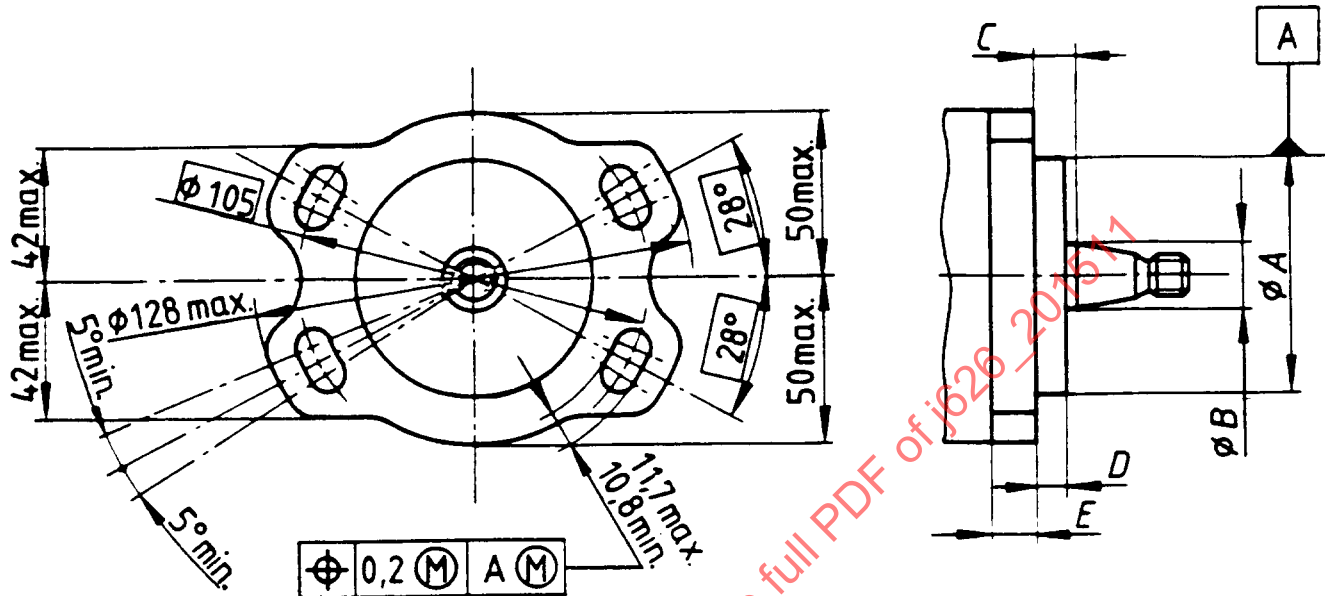


FIGURE 3—FUEL INJECTION PUMPS—TYPE 3 END-MOUNTING FLANGE

TABLE 3—FUEL INJECTION PUMPS—TYPE 3 END-MOUNTING FLANGE

Dimensions in millimeters

A g8	B ⁽¹⁾ nominal	C ±0.5	D max	E
50 or 68	17 or 20	9.5	8.2	13–16
50 or 68	17 or 20	12.5	11	13–16
50 or 68	17 or 20	17.4	16	13–16
50 or 68	17 or 20	26	24.5	13–16

1. See SAE J1419.

3.2.4 TYPE 4 FLANGE—See Figure 4 and Table 4.

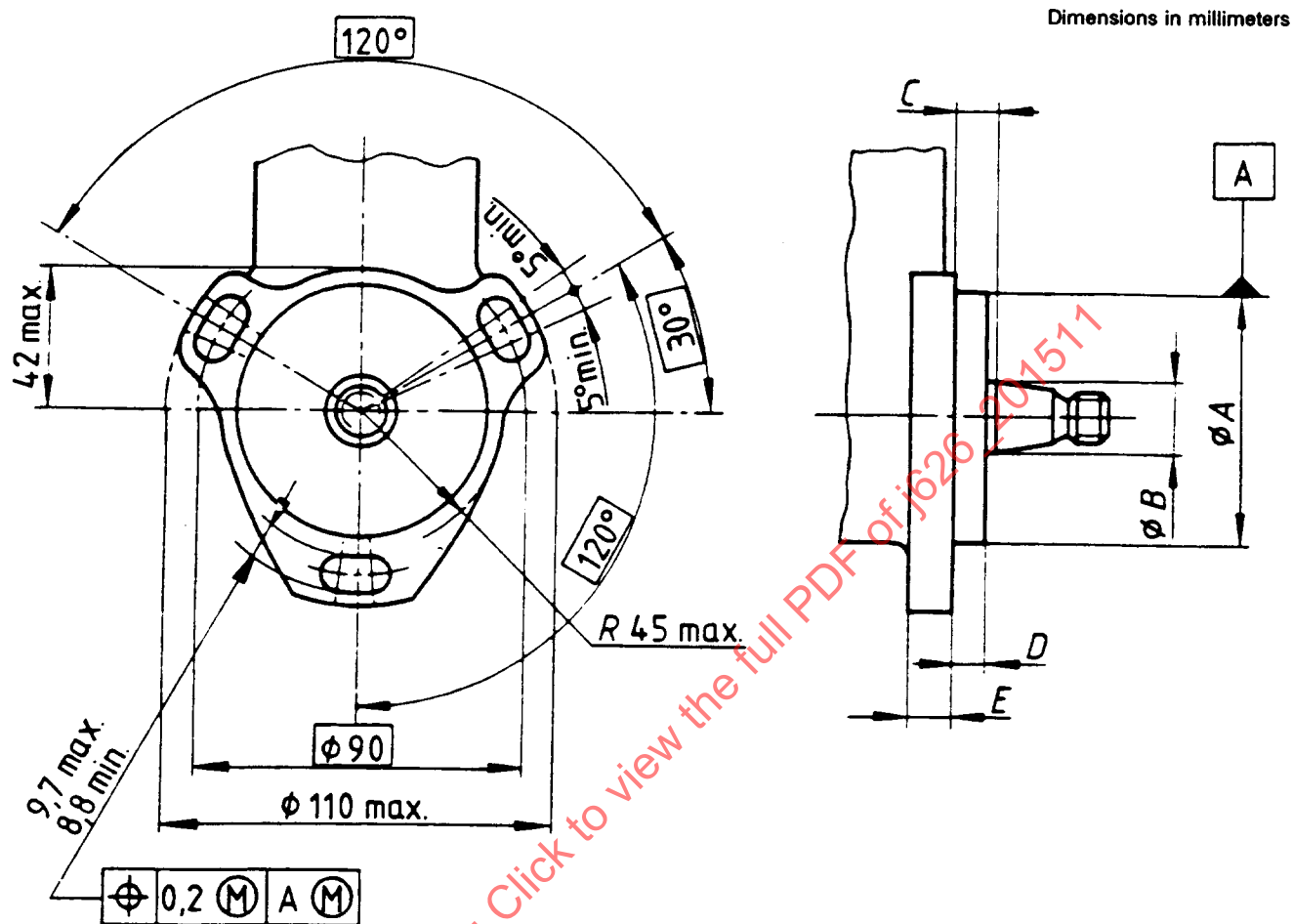


FIGURE 4—FUEL INJECTION PUMPS—TYPE 4 END-MOUNTING FLANGE

TABLE 4—FUEL INJECTION PUMPS—TYPE 4 END-MOUNTING FLANGE
 Dimensions in millimeters

A g8	B ⁽¹⁾ nominal	C ±0.5	D max	E
68	17	9.5	8	10–16

1. See SAE J1419.

3.2.5 TYPE 5 FLANGE—See Figure 5 and Table 5.

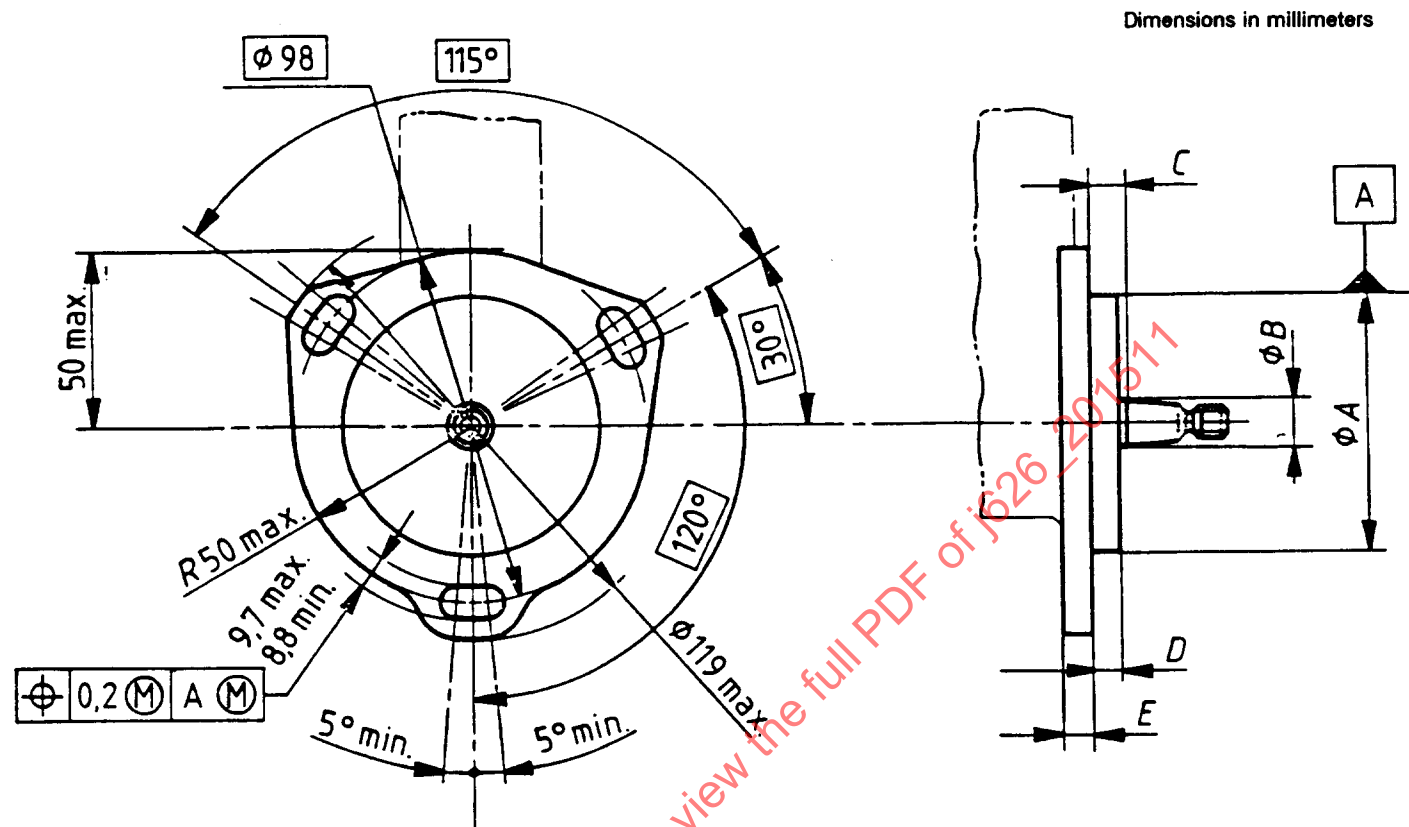


FIGURE 5—FUEL INJECTION PUMPS—TYPE 5 END-MOUNTING FLANGE

TABLE 5—FUEL INJECTION PUMPS—TYPE 5 END-MOUNTING FLANGE
Dimensions in millimeters

A g8	B ⁽¹⁾ nominal	C ±0.5	D max	E
74 or 76	17	9.5	8	8–10

1. See SAE J1419.

Technical drawing of a mechanical part, showing front, side, and detail views with dimensions and tolerances.

Front View Dimensions:

- Overall width: $\phi 130$
- Top flange width: 100°
- Top flange thickness: 55 max.
- Bottom flange thickness: 75 max.
- Radius of bottom flange: $R65 \text{ max.}$
- Bottom flange width: 130°
- Bottom flange thickness: 9.6 max. / 8.8 min.
- Bottom flange angle: 5° min.
- Bottom flange hole diameter: $\phi 0.2 \text{ (M)}$ A (M)

Side View Dimensions:

- Overall height: ϕA
- Top flange thickness: D
- Bottom flange thickness: E
- Bottom flange width: C
- Bottom flange hole diameter: ϕB

Detail View Dimensions:

- Three holes optional
- Detail hole diameter: $\phi 9.0 \text{ max.}$ / $\phi 8.5 \text{ min.}$
- Detail hole diameter tolerance: $\phi 0.3 \text{ (M)}$ A (M)

Notes:

- Dimensions in millimeters
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TABLE 6—FUEL INJECTION PUMPS—TYPE 6 END-MOUNTING FLANGE
Dimensions in millimeters

A g8	B ⁽¹⁾ nominal	C ±1	D max	E
68 or 97 or 112	20 or 22	4.5	7.5	17–18 or 24–26

1. See SAE J1419.