

INTERNATIONAL STANDARD



2700

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Road vehicles — Screw-mounted injection nozzle holders size "S" — Type 1

Véhicules routiers — Porte-injecteur vissé, taille «S» — Type 1

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Descriptors : road vehicles, diesel engines, injection nozzle holders, dimensions.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2700 was drawn up by Technical Committee ISO/TC 22, *Road vehicles*, and circulated to the Member Bodies in November 1973.

It has been approved by the Member Bodies of the following countries :

Australia	Hungary	Sweden
Belgium	Iran	Switzerland
Brazil	Italy	Thailand
Bulgaria	Netherlands	Turkey
Czechoslovakia	Poland	United Kingdom
Egypt, Arab Rep. of	Romania	U.S.A.
France	South Africa, Rep. of	U.S.S.R.
Germany	Spain	Yugoslavia

The Member Body of the following country expressed disapproval of the document on technical grounds :

Japan

Road vehicles – Screw-mounted injection nozzle holders size “S” – Type 1

1 SCOPE

This International Standard specifies the dimensional requirements necessary for mounting and interchangeability of injection nozzle holders in diesel engines.

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

2 FIELD OF APPLICATION

This International Standard applies to screw-mounted injection nozzle holders size “S” of type 1, used with the nozzles specified in ISO 2697.

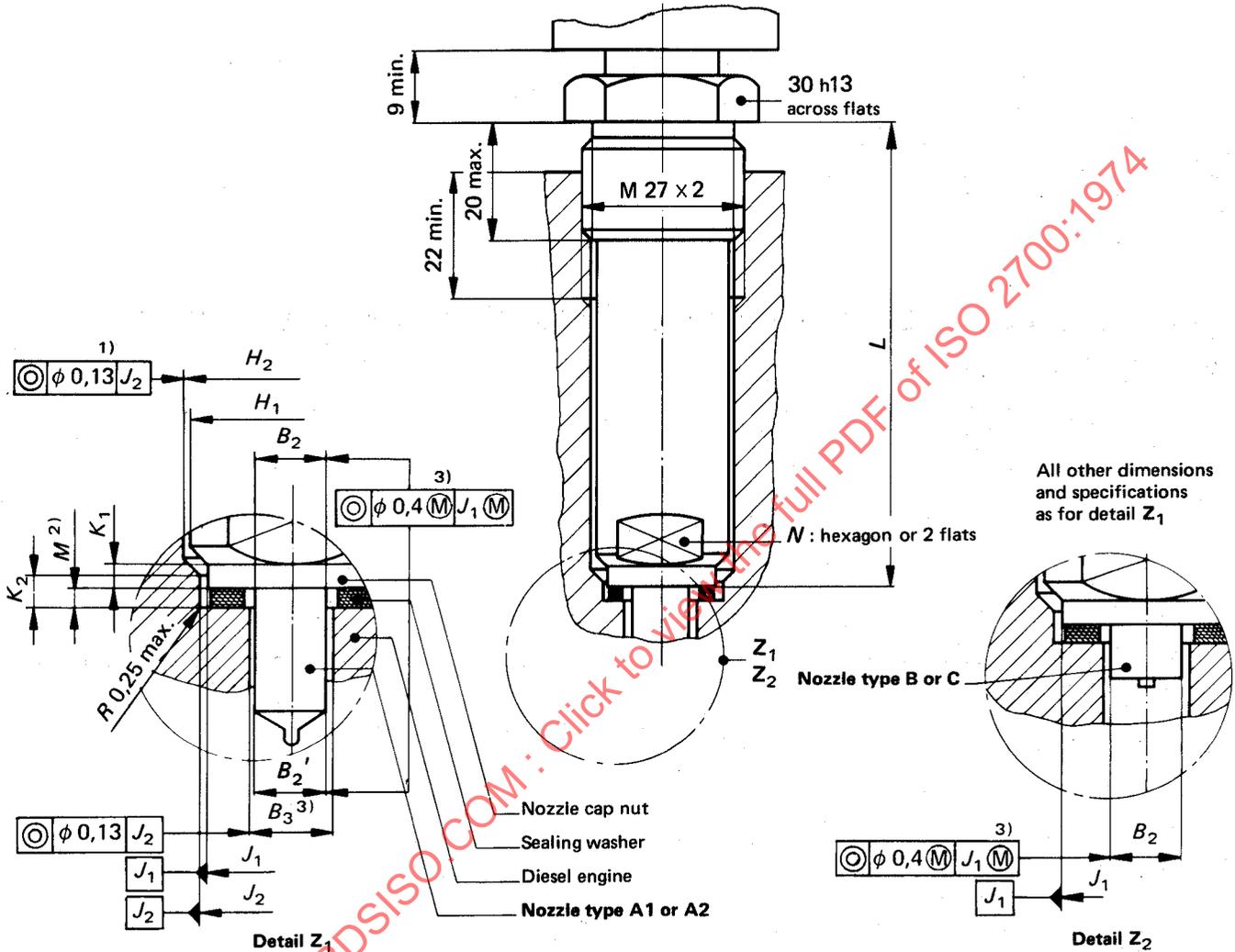
3 REFERENCE

ISO 2697, *Road vehicles – Fuel injection nozzles – Size “S”*.

4 DIMENSIONS AND TOLERANCES

4.1 General dimensions (the preferred shank lengths are given in 4.2)

Dimensions in millimetres



Nozzle Type	H ₁ max.	H ₂ min.	B ₂	B ₂ ' +0,3 0	B ₃	J ₁ h11	J ₂ C11	K ₁ min.	K ₂ +1 0	M ²⁾ nom.	N across flats h11
A1 - A2	24	24,2	9,2 max. (B ₂ ≥ B ₂)	8,9	3)	21,5	21,5	3,5	3,5	2	22
B - C			14 c11	-							

FIGURE - Screw-mounted nozzle holder size "S", type 1

1) This tolerance applies only in the case where a small clearance exists between H₁ and H₂.

2) With commercial tolerances (before compression):

3) The determination of the diameter B₃ in the cylinder head is left to the manufacturer's choice. For that purpose the maximum value for the nozzle stem which is given as a result of the *Maximum Material Principle* (M) and the maximum tolerance value of the cylinder head hole must be taken into account. The clearance shall be kept to a minimum to facilitate nozzle cooling.

4.2 Preferred shank lengths

Dimensions in millimetres

Nozzle type	$L \pm 0,8$		
	A1 – A2	62	77
B – C	45	60	80

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