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МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Road vehicles — Compression-ignition engines — Screw-in injection nozzle holder, type 23

Véhicules routiers — Moteurs à combustion interne à allumage par compression — Porte-injecteurs vissés, type 23

Reference number
ISO 9103 : 1987 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 9103 was prepared by Technical Committee ISO/TC 22, *Road vehicles.*

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Road vehicles — Compression-ignition engines — Screw-in injection nozzle holder, type 23

1 Scope and field of application

This International Standard specifies dimensional requirements for the mounting of injection nozzle holders in compression-ignition (diesel) engines.

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

This International Standard applies to the screw-in injection nozzle holder, type 23.

2 Dimensions and tolerances

2.1 Dimensions and tolerances of the injection nozzle holder, type 23 are given in the figure and table 1.

2.2 Preferred shank lengths are given in table 2.

3 Other specifications

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

Dimensions in millimetres

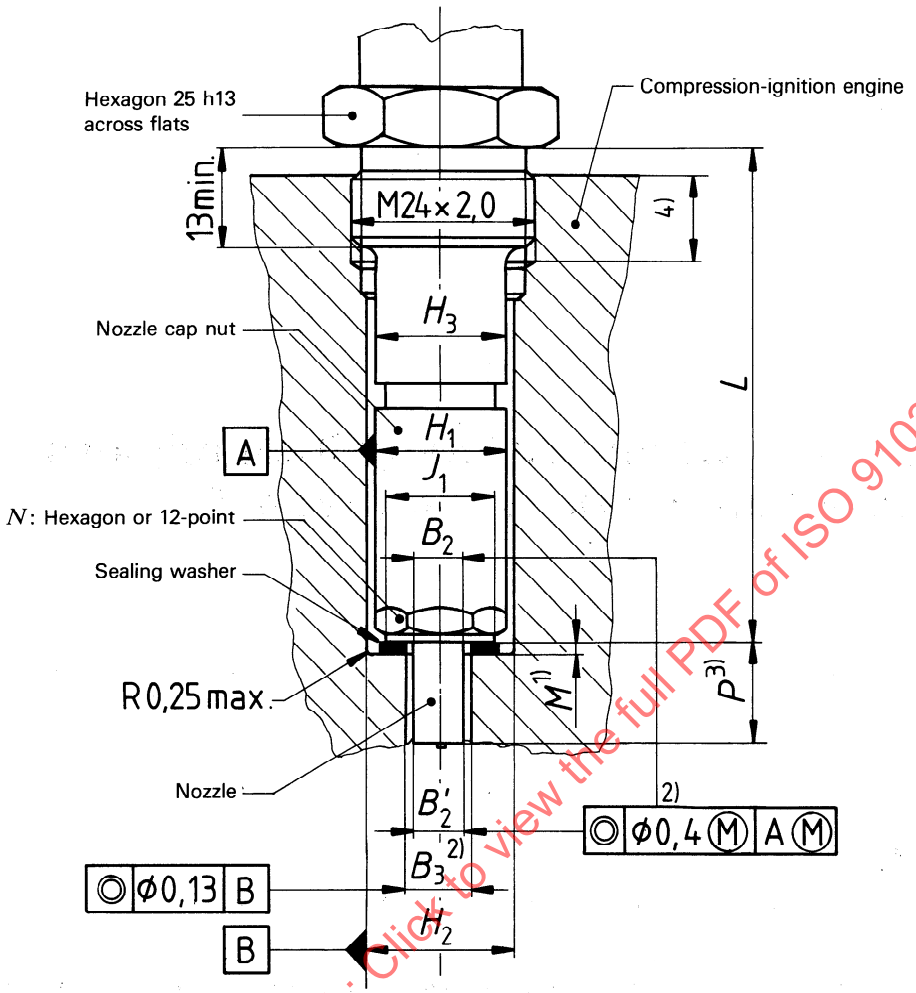

Figure — Screw-in injection nozzle holder, type 23

Table 1

Dimensions in millimetres

Nozzle holder, Type	H_1 max.	H_2 + 0,1 0	H_3 max.	B_2 max. ($B_2 > B'_2$)	B'_2 + 0,3 0	B_3	J_1 min.	$M^{1)}$ nom.	N across flats h11	$P^{3)}$ ± 0,3
23	17	17,1	16,9	7,2	6,9	2)	14,5	1,5	15	13

Table 2

Dimensions in millimetres

Nozzle holder, Type	Nozzle type	L ±0,8*
23	—	55 to 107

* The ± 0,8 mm tolerance applies to the actual length selected.

1) With commercial tolerances (before compression).

2) The determination of diameter B_3 in the cylinder head is left to the manufacturer's choice. For this 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 shall be taken into account. The clearance shall be kept to a minimum to facilitate nozzle cooling.

3) In cases where it is necessary for dimension P to be inside a tighter tolerance to allow fitment of a heat shield, this dimension shall be 13 ± 0,2 mm.

4) The thread in the cylinder head shall be chosen such that appropriate mounting of the nozzle holder is possible.

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