
International Standard



3896

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Road vehicles — Screened and waterproof spark plug and its connection — Type 3

Véhicules routiers — Bougie d'allumage blindée et étanche et sa connexion — Type 3

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FOREWORD

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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 3896 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in December 1978.

It has been approved by the member bodies of the following countries :

Australia	Italy	South Africa, Rep. of
Austria	Japan	Spain
Belgium	Korea, Dem. P. Rep. of	Sweden
Bulgaria	Korea, Rep. of	Switzerland
Chile	Libyan Arab Jamahiriya	Turkey
Czechoslovakia	Mexico	United Kingdom
France	Netherlands	USA
Germany, F.R.	New Zealand	Yugoslavia
Ireland	Romania	

No member body expressed disapproval of the document.

This second edition cancels and replaces the first edition (i.e. ISO 3896-1976).

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Road vehicles — Screened and waterproof spark plug and its connection — Type 3

1 SCOPE

This International Standard specifies the essential dimensional characteristics of a spark plug type used with spark ignition engines.

2 FIELD OF APPLICATION

The provisions of this International Standard apply to screened and waterproof spark plugs and their connections, type 3.

3 REFERENCES

ISO 68, *ISO general purpose screw threads — Basic profile.*

ISO 261, *ISO general purpose metric screw threads — General plan.*

ISO 965/1, *ISO general purpose metric screw threads — Tolerances — Principles and basic data.*

ISO 965/3, *ISO general purpose metric screw threads — Tolerances — Deviations for constructional threads.*

ISO 3412, *Road vehicles — Screened and waterproof spark plug and its connection — Type 1.*¹⁾

ISO 3895, *Road vehicles — Screened and waterproof spark plug and its connection — Type 2.*¹⁾

4 REQUIRED CHARACTERISTICS FOR THE SPARK PLUG AND THE HOUSING IN THE CYLINDER HEAD

4.1 Dimensions and thread (see figure)

4.1.1 Plug reach and other dimensions

Dimensions en millimetres

A	M18×1,5	7/8"-18	
B	20,3 ± 0,2	Normal reach 15,9 ± 0,2	Long reach 19,4 ± 0,2
C (see 4.1.2)	2,0 to 2,3	1,1 to 1,7	
D	15,5 ± 0,25	19,8 ± 0,25	
E max.	24,7	28,4	
F min.	27	32	
G min.	36	40	29
H max.	34	38	27

4.1.2 Gasket

When the spark plugs have been tightened with a torque of 48 N·m (threads clean, smooth and dry), the gasket thickness shall correspond to dimension C in the table in 4.1.1. If the gaskets are of a different thickness, a corresponding adjustment to dimension B shall be made.

1) At present at the stage of draft. (Revision of ISO 3412-1975 and ISO 3895-1976.)