
International Standard



3896

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3896 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

This third edition cancels and replaces the second edition (ISO 3896-1979), of which it constitutes a minor revision.

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.

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 requirements 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 — Part 1 : Principles and basic data.*

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

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

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

4 Required characteristics for spark-plug and housing in the cylinder head

4.1 Dimensions and thread (see figure)

4.1.1 Plug reach and other dimensions

Dimensions in millimetres

A	M18 × 1,5	7/8"-18	
	B	20,2 ± 0,2	Normal reach 15,9 ± 0,2
C (see 4.1.2)	2,0 to 2,8	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 min.	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.