

INTERNATIONAL STANDARD



3412

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

Road vehicles — Screened and waterproof spark plug and its connection — Type 1

Véhicules routiers — Bougie d'allumage blindée et étanche et sa connexion — Type 1

First edition — 1975-07-01

UDC 621.43.045

Ref. No. ISO 3412-1975 (E)

Descriptors : internal combustion engines, spark ignition engines, motor vehicle engines, spark plugs, connectors, dimensions.

Price based on 1 page

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 3412 was drawn up by Technical Committee ISO/TC 22, *Road vehicles*, and circulated to the Member Bodies in May 1974.

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

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

No Member Body expressed disapproval of the document.

Road vehicles – Screened and waterproof spark plug and its connection – Type 1

1 SCOPE

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

2 FIELD OF APPLICATION

The provisions of this International Standard apply to screened and waterproof spark plugs and connections, type 1.

3 REFERENCES

ISO 1919, *Automobiles – Spark plug M 14 X 1,25 with flat seating.*

ISO 2344, *Automobiles – Spark plugs M 14 X 1,25 with conical seating.*

ISO 2345, *Automobiles – Spark plugs M 18 X 1,5 with conical seating.*

ISO 2346, *Automobiles – Compact spark plugs M 14 X 1,25 with flat seating.*

ISO 2347, *Automobiles – Compact spark plugs M 14 X 1,25 with conical seating.*

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

ISO . . . , *Road vehicles – Screened and waterproof spark plug and its connection – Type 3.*¹⁾

4 REQUIRED CHARACTERISTICS

4.1 Spark plug

The dimensions are indicated on the figure.

All dimensions below the chain line A-A must conform to the dimensions and threads of the appropriate spark plugs, M 14 X 1,25 and M 18 X 1,5 standardized in ISO 1919, 2344, 2345, 2346 and 2347. The dimensions of the bore and the thread in the cylinder head must conform to the corresponding standards.

Details not specified are left to the manufacturer's choice.

4.2 Connection

The connector of this type of spark plug must have a 5/8-24-UNEF-2B thread and a hexagon of 19 mm with tolerance h13 across flats with a width across corners of 21,0 min.

Moreover, the connector fitted to the spark plug must provide good water tightness, good electrical contact and good screening to radio-electric radiation.

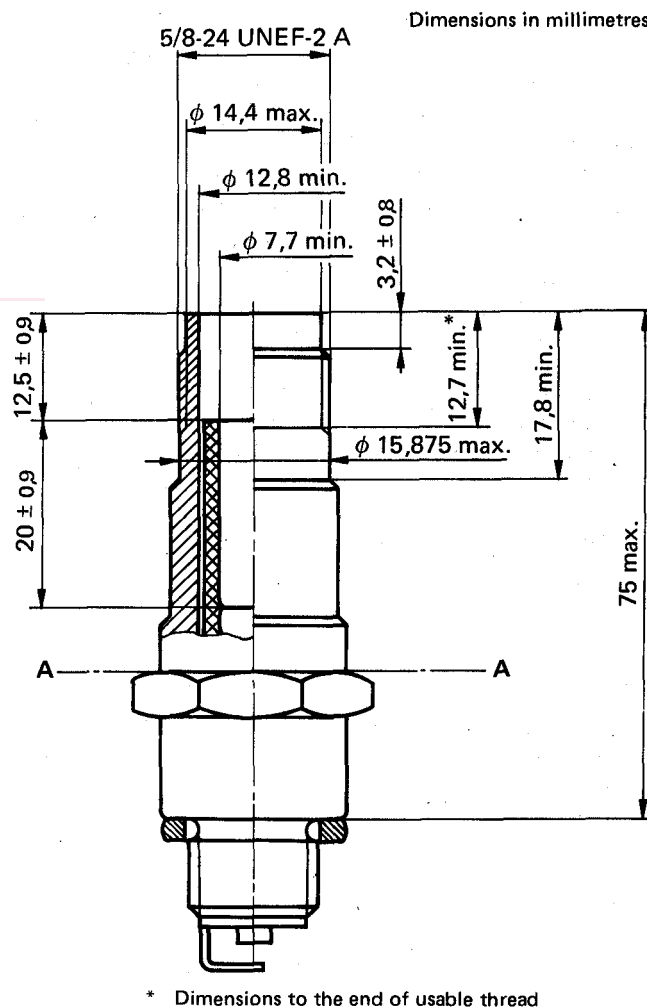


FIGURE – Screened and waterproof spark plug, Type 1

1) In preparation.