
International Standard



6550

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

Road vehicles — Glow plugs M 12x1,25 and M 14x1,25 sheath type and cylinder head housing dimensions

Véhicules routiers — Bougies de préchauffage M 12x1,25 et M 14x1,25 type à fourreau et dimensions des logements dans la culasse

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Descriptors : road vehicles, diesel engines, ignition systems, spark plugs, preheating plugs, dimensions, dimensional tolerances.

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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 6550 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in March 1979.

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

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

The member body of the following country expressed disapproval of the document on technical grounds :

France

Road vehicles — Glow plugs M 12x1,25 and M 14x1,25 sheath type and cylinder head housing dimensions

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1 Scope

This International Standard specifies the essential dimensional characteristics of sheath type glow plugs used in diesel engines.

2 Field of application

The provisions of this International Standard apply to glow plugs M 12x1,25 and M 14x1,25 of the sheath type with conical seating.

3 References

ISO 1919, *Spark plugs M 14x1,25 with flat seating.*

ISO 2705, *Spark plugs M 12x1,25 with flat seating.*

4 Dimensions and tolerances

4.1 Glow plugs (see figure 1)

4.2 Cylinder head housing (see figure 2)

4.3 Dimensional limits of threads

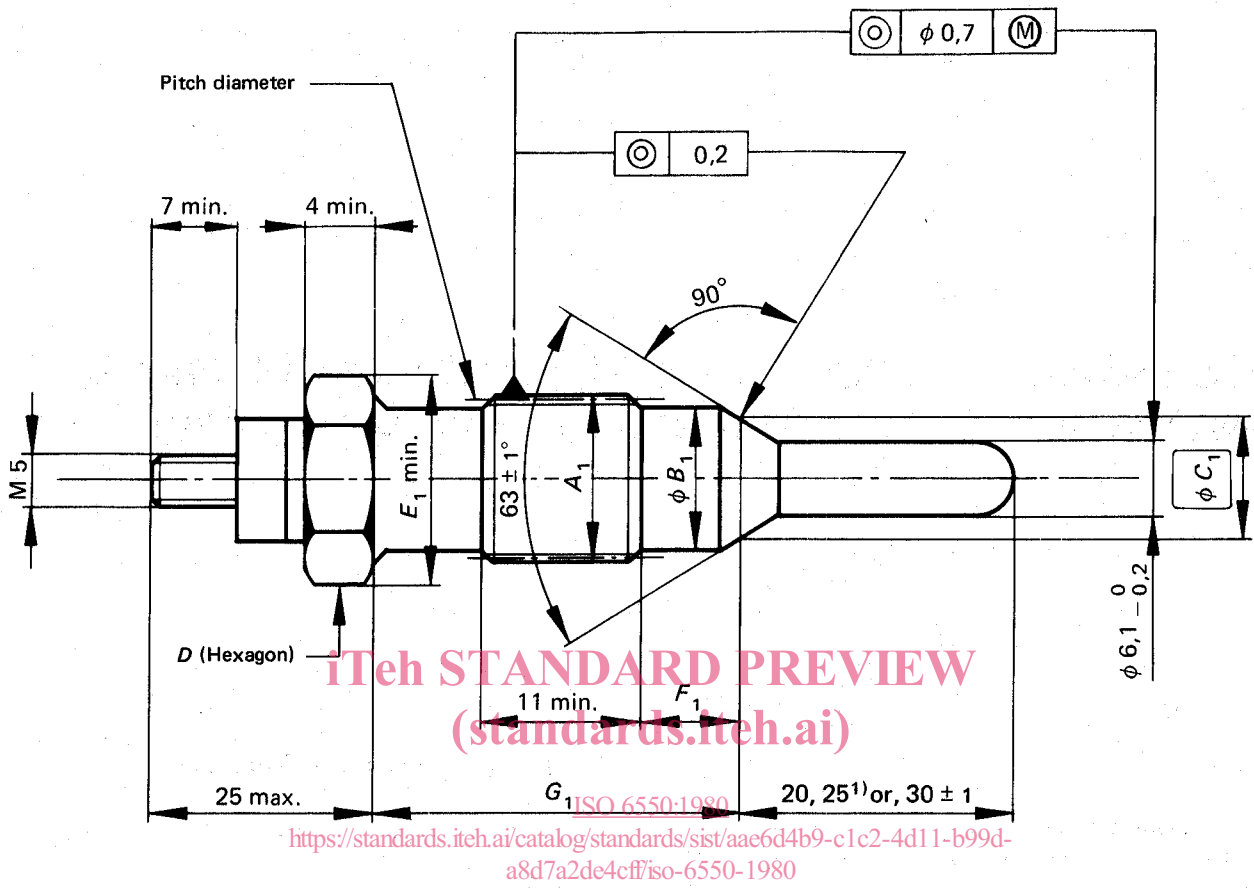
4.3.1 Thread M 12x1,25

The threads M 12x1,25 for the glow plugs and for the tapped holes in the cylinder head shall conform to the threads specified for the spark plugs M 12x1,25 in clauses 4.2.3.1 and 4.2.3.2 of ISO 2705.

4.3.2 Thread M 14x1,25

The threads M 14x1,25 for the glow plugs and for the tapped holes in the cylinder head shall conform to the threads specified for the spark plugs M 14x1,25 in clauses 4.2.3.1 and 4.2.3.2 of ISO 1919.

Dimensions in millimetres



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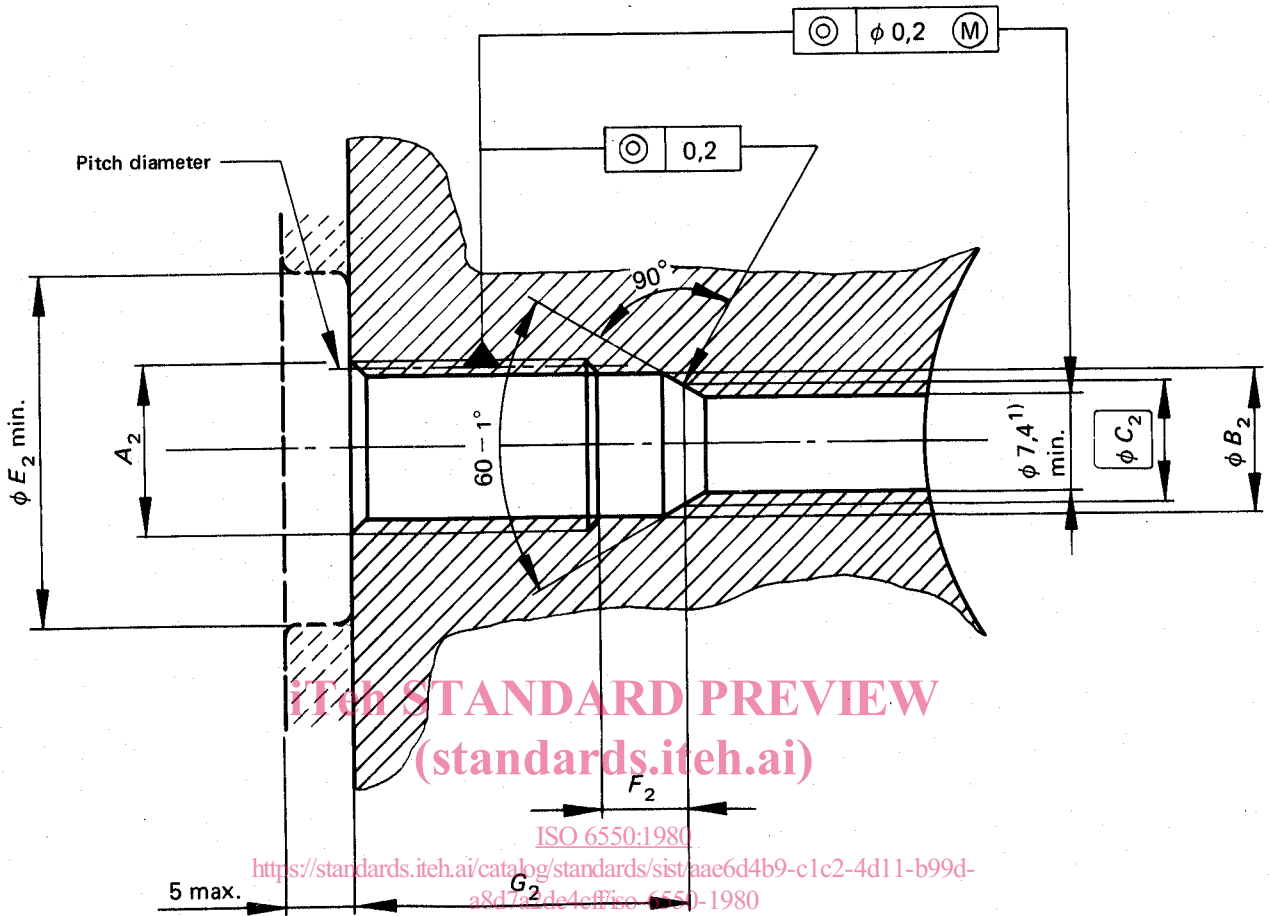
Dimensions in millimetres

Glow plug type	A_1	B_1 0 -0,2	C_1	D h13	E_1 min.	F_1 +1 0	G_1 ± 1
M12 A	M12x1,25 6e	10	9	12	13,3	6	26
M12 B						3	
M14	M14x1,25 6e	12	11	14	15,5	6	26

Figure 1 – Glow plugs sheath type

1) The length of 25 mm is to be preferred.

Dimensions in millimetres



Dimensions in millimetres

Cylinder head housing for glow plug type	A ₂	B ₂ min.	C ₂	E ₂ min.	F ₂	G ₂ max.
M12 A	M12x1,25 6H	10,7	9	23	5 ⁰ ₋₁	23
M12 B					2 ⁰ _{-0,3}	17
M14	M14x1,25 6H	12,7	11	26	5 ⁰ ₋₁	23

Figure 2 — Cylinder head housing

1) The determination of the exact dimension above this minimum is left to the manufacturer. The clearance between the probe and the cylinder head shall be kept to a minimum.

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