

INTERNATIONAL STANDARD



2974

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

Road vehicles — High pressure pipe fittings with 60° female cone

Véhicules routiers — Raccords haute pression à cône femelle de 60°

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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 2974 was drawn up by Technical Committee ISO/TC 22, *Road vehicles*, and circulated to the Member Bodies in September 1972.

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

Australia	Hungary	Sweden
Austria	Japan	Switzerland
Belgium	Netherlands	Thailand
Czechoslovakia	New Zealand	Turkey
Egypt, Arab Rep. of	Poland	U.S.S.R.
France	Romania	
Germany	South Africa, Rep. of	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

United Kingdom
U.S.A.

Road vehicles — High pressure pipe fittings with 60° female cone

1 SCOPE

This International Standard specifies the dimensional requirements necessary for the interchangeability of high pressure pipe fittings for fuel injection equipment of Diesel engines.

2 FIELD OF APPLICATION

The specifications of this International Standard are applicable to male connectors Types 1 and 2 (see figures 1 and 2) and to the nut and tube end assembly (see figure 3) of high pressure pipe fittings.

3 REFERENCES

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

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

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

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

4 REQUIRED CHARACTERISTICS

4.1 Dimensions and tolerances

The dimensions and tolerances are indicated in figures 1, 2 and 3. (Details not specified are left to the manufacturer's choice.)

4.2 Threads

For dimension A, thread M12 × 1,5 or thread M14 × 1,5 is applicable.

The tolerance classes of both threads are as follows :

6g for the male connectors;
6H for the nut.

NOTE — The threads M12 × 1,5 and M14 × 1,5 of the male connectors and the corresponding tapped holes in the nuts shall conform to ISO/R 68, ISO/R 261, ISO/R 965/1 and ISO/R 965/III.