

International Standard



8447

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

Pipework — Single overlap flexible metal hoses (rubber packing, limited tightness, circular or polygonal section, in protected carbon steel)

Tuyauteries — Tuyaux métalliques flexibles à agrafage simple (joint caoutchouc, étanchéité limitée, section circulaire ou polygonale, en acier non allié protégé)

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Descriptors : metal tubes, hoses, lock-seamed metal hoses, specifications, dimensions, designation.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8447 was prepared by Technical Committee ISO/TC 5, *Ferrous metal pipes and metallic fittings*.

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Pipework — Single overlap flexible metal hoses (rubber packing, limited tightness, circular or polygonal section, in protected carbon steel)

1 Scope and field of application

This International Standard lays down diameters of single overlap flexible metal hoses with rubber packing, of limited tightness, of circular or polygonal section, in protected carbon steel, and specifies requirements to be verified in accordance with ISO 7658.

This International Standard applies to uncoated flexible metal hoses (without external coating as defined in sub-clause 4.1.10 of ISO 7369) used under low pressure with permissible leakage, at temperatures from -20 to $+60$ °C.

NOTE — For the specifications and temperature-related requirements for use, see ISO 7657.

2 References

ISO 6708, *Pipe components — Definition of nominal size.*

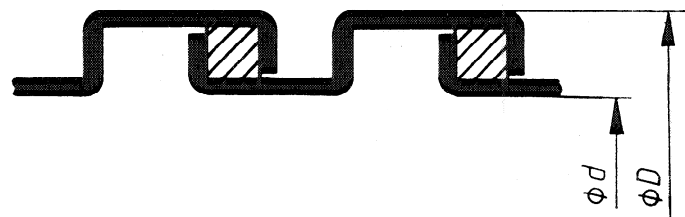
ISO 7369, *Pipework — Flexible metal hoses — Vocabulary of general terms.*

ISO 7657, *Pipework — Stripwound flexible metal hoses — Specifications and temperature-related requirements for use.*

ISO 7658, *Pipework — Stripwound flexible metal hoses — Testing and verification of characteristics.*

3 Dimensions and performance

Dimensions and performance are shown in the figure and table.



Figure

NOTE — The figure is not intended to specify a given manufacturing method nor to define coil dimensions.

4 Test methods

For test methods, see ISO 7658.