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International Standard



7375/1

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

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**Road vehicles — Coiled pipe assemblies for pneumatic  
braking connection between motor vehicles and towed  
vehicles —  
Part 1 : Dimensions**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

*Véhicules routiers — Tuyaux flexibles spiralés munis de leurs raccords pour liaison de freinage pneumatique entre automobiles et véhicules tractés — Partie 1 : Caractéristiques dimensionnelles*

**Second edition — 1986-11-15**

ISO 7375-1:1986

<https://standards.iteh.ai/catalog/standards/sist/dab59f04-f874-4fb9-a73c-ec2a26fd15c4/iso-7375-1-1986>

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**UDC 692.113.013.5 : 629.113-592.5**

**Ref. No. ISO 7375/1-1986 (E)**

**Descriptors :** road vehicles, motor vehicles, trailers, braking systems, pneumatic couplings, pipe joints, dimensions.

## 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 7375/1 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

This second edition cancels and replaces the first edition (ISO 7375/1-1982), of which it constitutes a minor revision. <https://standards.iteh.ai/catalog/standards/sist/dab59f04-f874-4fb9-a73c-ec2a26fd15c4/iso-7375-1-1986>

Users should note that all International Standard 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 — Coiled pipe assemblies for pneumatic braking connection between motor vehicles and towed vehicles —

## Part 1 : Dimensions

### iTeh STANDARD PREVIEW (standards.iteh.ai)

#### 1 Scope

ISO 7375 specifies the minimum conditions to ensure braking compatibility and in particular response time for coiled pipe assemblies.

This part of ISO 7375 specifies the dimensions of the tubing and end fittings.

ISO 7375/2 will specify the performance requirements.

#### 2 Field of application

This part of ISO 7375 applies to coiled pipe assemblies for vehicle combinations equipped with pneumatic braking systems.

It does not apply to other thermo-plastics tubing used in such braking systems.

#### 3 Types

Two types of coiled pipe assembly are specified :

Type 1 with a working length of 4 m

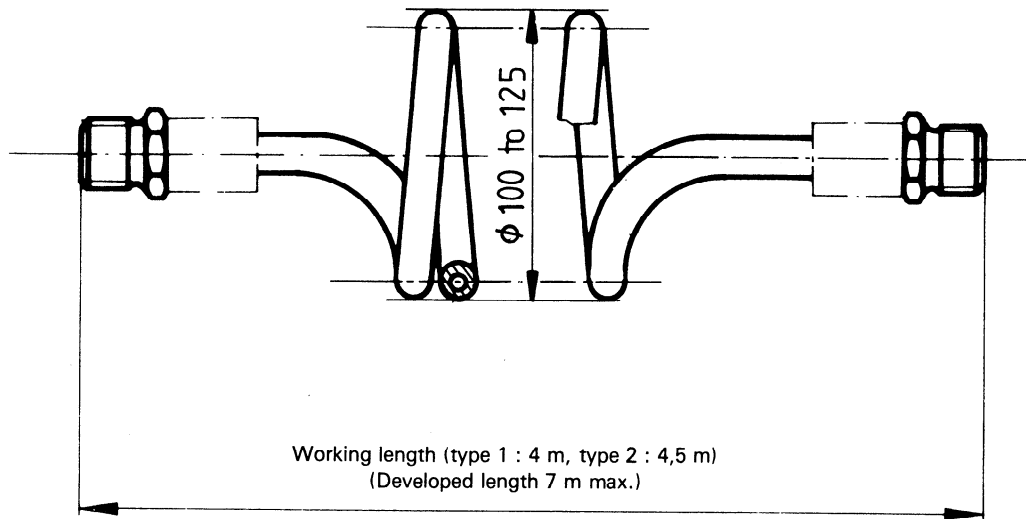
Type 2 with a working length of 4,5 m

#### 4 Dimensions

The dimensions of the coiled pipe assemblies are shown in the figure.

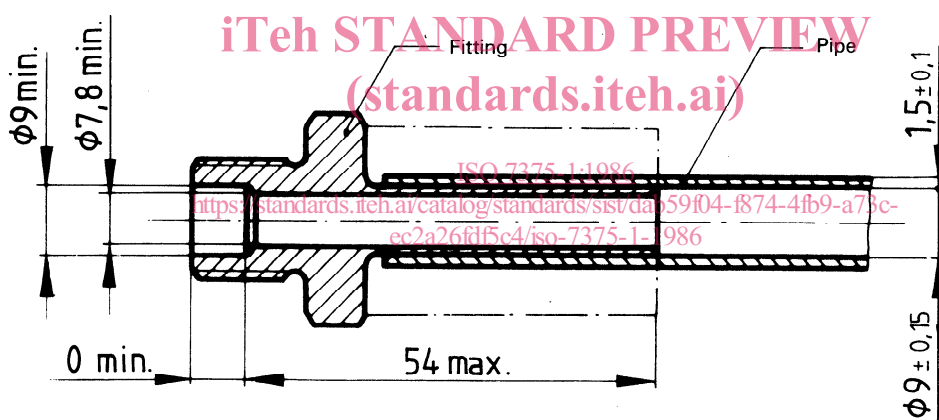
The external design, the method of fixing the pipe to the end fitting and auxiliary devices such as anti-kink systems are left to the discretion of the manufacturer.

Dimensions in millimetres



Ovality on diameter of pipe after coiling (coiled part only) :  $12 \begin{smallmatrix} +1 \\ -2 \end{smallmatrix}$

a) Coiled pipe assembly



b) Section through pipe and fitting

Figure — Coiled pipe assembly dimensions

## Bibliography

- ISO 611, *Road vehicles — Braking of automotive vehicles and their trailers — Vocabulary.*
- ISO 1726, *Road vehicles — Mechanical coupling between tractors and semi-trailers — Interchangeability.*
- ISO 1728, *Road vehicles — Pneumatic braking connections between motor vehicles and towed vehicles — Interchangeability.*
- ISO 4039, *Road vehicles — Pneumatic braking systems — Pipes, tapped holes and male fittings.*