
**Road vehicles — Coiled tube assemblies
for air brake connection between towing
and towed vehicles —**

Part 2:
Performance requirements

*Véhicules routiers — Tuyaux flexibles spiralés munis de leurs raccords pour
liaison de freinage pneumatique entre le véhicule tracteur et un véhicule
tracté —*

Partie 2: Exigences de performances



Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7375-2 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 2, *Brake systems and equipment*.

ISO 7375 consists of the following parts, under the general title *Road vehicles — Coiled tube assemblies for air brake connection between towing and towed vehicles*:

- *Part 1: Dimensions*
- *Part 2: Performance requirements*

Annex A forms an integral part of this part of ISO 7375.

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Road vehicles — Coiled tube assemblies for air brake connection between towing and towed vehicles —

Part 2: Performance requirements

1 Scope

This part of ISO 7375 specifies the minimum requirements for coiled tube assemblies manufactured from thermoplastic tubing and with suitable end fittings. It applies to coiled tube assemblies for vehicle combinations equipped with air brake systems.

This part of ISO 7375 does not apply to other thermoplastic tubing used in brake systems.

The coiled tube assemblies covered by this part of ISO 7375 belongs to two possible categories:

- tube assemblies for use up to a maximum working pressure of 1 000 kPa ¹⁾;
- tube assemblies for use up to a maximum working pressure of 1 250 kPa ¹⁾;

and within a temperature range between – 40 °C ²⁾ and + 100 °C.

2 Normative reference

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 7375. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 7375 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid international Standards.

ISO 1043-1:1997, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics*.

ISO 1043-2:1988, *Plastics — Symbols — Part 2: Fillers and reinforcing materials*.

ISO 1043-3:1996, *Plastics — Symbols and abbreviated terms — Part 3: Plasticizers*.

ISO 1728:1980, *Road vehicles — Pneumatic braking connections between motor vehicles and towed vehicles — Interchangeability*.

ISO 7375-1:1996, *Road vehicles — Coiled pipe assemblies for pneumatic braking connection between motor vehicles and towed vehicles — Part 1: Dimensions*.

ISO 7628-1:—³⁾, *Road vehicles — Thermoplastic tubing for air braking systems — Part 1: Dimensions and marking*.

1) 1 kPa = 10⁻² bar.

2) Consideration of a reduction of the lower temperature limit will be subject of future revision of this part of ISO 7375.

3) To be published. (Revision of ISO 7628-1:1985)