

TC 22

International Standard



7628/1

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

Road vehicles — Thermoplastic³/tubing for use in air
braking systems —
Part 1: Dimensions and marking

Véhicules routiers — Tuyauteries thermoplastiques pour freinage pneumatique — Partie 1: Dimensions et marquage

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Foreword

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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.

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Road vehicles — Thermoplastic tubing for use in air braking systems —

Part 1: Dimensions and marking

1 Scope

This part of ISO 7628 lays down the dimensions and marking for thermoplastic tubings for use in air braking systems on road vehicles. ISO 7628/2 deals with installation on the vehicle and test requirements.

2 Field of application

The tubing defined by this part of ISO 7628 is suitable for use up to a maximum working pressure of 1 000 kPa (10 bar) and a temperature of -40 to $+100$ °C. Coiled tubing for use between tractor and trailer is not covered by this part of ISO 7628.

3 Dimensions

Tubing shall have the dimensions shown in the table.

Table

Dimensions in millimetres

	4	6	9	12
Inside diameter Tolerance	$\pm 0,1$	$\pm 0,1$	$\pm 0,10$	$\pm 0,15$
Outside diameter Tolerance	$\pm 0,1$	$\pm 0,15$	$\pm 0,15$	$\pm 0,15$
Minimum wall thickness, e min.	0,9	0,9	1,35	1,8

4 Marking

Tubing shall be indelibly marked along a generating line with letters of minimum height 2 mm and repeated at least every 350 mm as follows:

- ISO 7628;
- outside diameter;
- material type;
- manufacturer designation;
- year and month of manufacture.