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МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Road vehicles — Nozzle spouts for unleaded gasoline

Véhicules routiers — Pistolets de remplissage pour essence sans plomb

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[ISO 9158:1988](#)

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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.

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International Standard ISO 9158 was prepared by Technical Committee ISO/TC 22,
Road vehicles.

Users should note that all International Standards 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 – Nozzle spouts for unleaded gasoline

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1 Scope and field of application

This International Standard specifies the dimensions of nozzle spouts on pumps for refuelling road vehicles, and their filling rates.

It applies to nozzle spouts for unleaded gasoline for road vehicles.

2 Reference

ISO 4130, *Road vehicles – Three-dimensional reference systems and fiducial marks – Definitions*.

ISO 9158:1988

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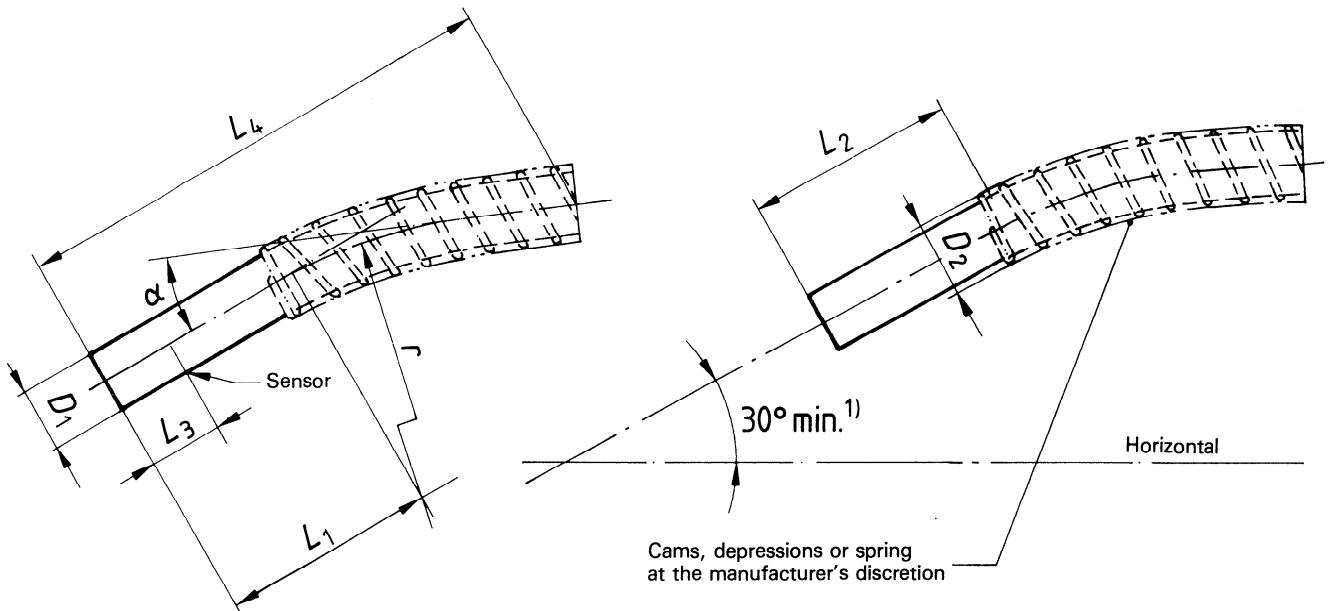
3 Requirements

The flow rate, q_V , for unleaded gasoline shall be

$$q_V < 50 \text{ l/min.}$$

The figure shows a nozzle spout with a spring for safe hooking in the tank filler opening. The dimensions apply also to nozzle spouts with cams or depressions for safe hooking.

Dimensions in millimetres



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Symbol	Description	Dimension
D_1	Nozzle outside diameter	21,3 max.
D_2	Anchor spring outside diameter ISO 9158:1988	30 max.
L_1	Length of straight part of nozzle pipe	80 to 95
L_2	Distance between nozzle end and anchor spring cam	$L_1 \leq L_2 \leq 95$
L_3	Distance between nozzle end and sensor	22 max.
L_4	Clearance from fuel dispensing end to any part of nozzle body	165 min.
r	Nozzle pipe bending radius	100 to 250
α	Bending angle of nozzle pipe	$21^\circ \pm 1,5^\circ$

Figure

1) Nozzle spout shown in its hooked filling position, and angle towards Z plane according to ISO 4130.

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Descriptors : refuelling, gasoline, fuel handling equipment, nozzles, dimensions.

Price based on 2 pages
