



SIS - Standardiseringskommissionen i Sverige

Handläggande organ

SMS, SVERIGES MEKANSTANDARDISERING

SVENSK STANDARD SS-ISO 9159

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Utgåva

1

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Registrering

SMS reg 462.3824

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Vägfordon — Påfyllningsmunstycken för blyhaltig bensin och dieselbränsle

Denna standard utgörs av den engelska versionen av den internationella standarden ISO 9159:1988.

Användare av denna standard bör uppmärksamma att internationella standarder ibland revideras och att varje referens till annan internationell standard innebär referens till dess senaste utgåva, om inget annat bestämts.

Följande dokument, som åberopas i denna standard, är överfört till svensk standard:

ISO 4130:1978 = SS-ISO 4130, utg 1 (SMS reg 460.204), Bilar – Tredimensionellt referenssystem och primära referensmärken – Definitioner, E

E betecknar engelsk text.

Road vehicles — Nozzle spouts for leaded gasoline and diesel fuel

This Swedish standard consists of the English version of the International Standard ISO 9159:1988.

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.

The following document, referred to in this standard, has been adopted in a Swedish standard:

E indicates English text.

UDK 621.643.06:62-225:656.062:[665.733.5 + 665.753.4]:629.113

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Road vehicles — Nozzle spouts for leaded gasoline and diesel fuel

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 leaded gasoline and diesel fuel for road vehicles.

2 Reference

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

3 Requirements

The nozzle spout shall conform to the dimensions given in the figure. The shape is at the manufacturer's discretion.

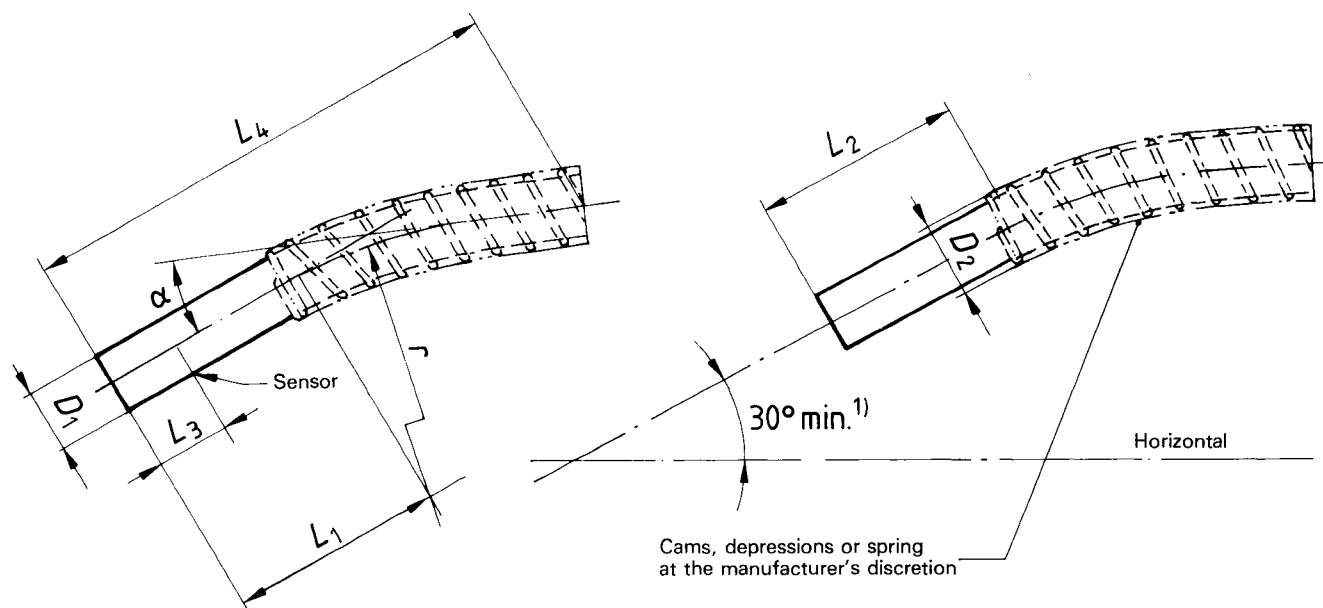
The flow rate, q_V , shall be

$q_V \leq 50$ l/min for leaded gasoline;

$q_V \leq 50$ l/min or 50 l/min $< q_V \leq 100$ l/min for diesel fuel, depending on spout dimensions (see the figure).

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



Symbol	Description	Dimension	
		$q_V < 50$ l/min (leaded gasoline or diesel fuel)	50 l/min $< q_V < 100$ l/min (diesel fuel)
D_1	Nozzle outside diameter	23,6 min. 25,5 max.	32 max.
D_2	Anchor spring outside diameter	30 max.	38 max.
L_1	Length of straight part of nozzle pipe	80 to 95	65 to 90
L_2	Distance between nozzle end and anchor spring cam	$L_1 < L_2 < 95$	90 to 110
L_3	Distance between nozzle end and sensor	22 max.	22 max.
L_4	Clearance from fuel dispensing end to any part of nozzle body	165 min.	170 to 200
r	Nozzle pipe bending radius	100 to 250	120 to 160
α	Bending angle of nozzle pipe	$21^\circ \pm 1,5^\circ$	$21^\circ \pm 1,5^\circ$

Figure

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