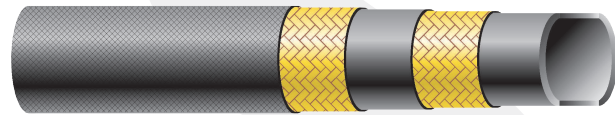


# DS1

## Steam Hose



**Application:**

- ☞ Suitable for conveying saturated steam and hot water.

**Feature:**

- ☞ Electrically conductive: Resistance  $R < 10^6$  Ohm.
- ☞ Tried and tested by the chemical industry.

**Standard/approval:**

- ☞ EN ISO 6134:2005 Type 2, class A; (supersedes DIN 2825:1994).

**Notice:**

- ☞ Hose conforms to DIN 2825:1994, which has been superseded by EN ISO 6134:2005.
- ☞ ATTENTION: Use only suitable fittings (clamp fittings according to EN 14423:2005).
- ☞ ATTENTION: Superheated steam shortens considerably the service life of the hose!
- ☞ ATTENTION: Please refer to our saturated steam table.

**Temperature range:** +210°C (saturated steam), +120°C (hot water).

**Safety factor:** Steam 10: 1, Water 3.15 : 1

**Tube:** EPDM, black, smooth, electrically conductive.

**Reinforcement:** Steel wire braided, zinc-plated.

**Cover:** EPDM, black, electrically conductive, cloth impression.

**Marking:** Continuous transfer tape, red: "SEMPERIT S DS1 Sattdampf/ Saturated Steam 210°C Sempersteam PN 18 bar  $R < 10^6$  Ohm" as well as red embossed labelling according to EN ISO 6134 (with EN dimensions).

Vacuum resistance up to ID 32: - 0.8 bar; up to ID 50: -0.4 bar

\* No EN ISO 6134:2005 dimension

Article number	Internal-Ø in		Wall width in mm	External-Ø in mm	Work. pressure (max.) bar		Number of inserts	Bending radius (min.) in mm	Weight approx. kg/m	Coil length (max.) m
	mm	inches			Satur. steam	Hot water				
68706 1360	13,0	1/2	6,0	25,0	18	55	2	80	0,55	40
48706 1660	16,0	5/8	6,0	28,0*	18	55	2	90	0,60	40
48706 1960	19,0	3/4	6,0	31,0*	18	55	2	110	0,70	40
48706 1970	19,0	3/4	7,0	33,0	18	55	2	110	0,85	40
48706 2575	25,0	1	7,5	40,0	18	55	2	180	1,10	40
48706 3280	32,0	1 1/4	8,0	48,0	18	55	2	250	1,55	40
48706 3880	38,0	1 1/2	8,0	54,0	18	55	2	300	1,80	40
48706 5090	50,0		9,0	68,0	18	55	2	420	2,65	40
48706 5190	50,8	2	9,0	68,8	18	55	2	420	2,65	40

**Please note:** General information about our range of products can be found in the appendix to this catalogue. Before using with new or untested media, or before using in applications that are not covered in the product information, written advice must first be obtained from a specialist dealer or a Semperit application engineer. All products must be inspected regularly for operational safety. For safety reasons, hoses must be replaced in the event of damage, especially if the cover is damaged. All products must be stored and maintained according to our storage, care and maintenance instructions, and according to DIN 7716:1982. We are constantly developing and improving our products for our customers. For the latest product information, please visit our website [www.semperflex.com](http://www.semperflex.com) regularly or contact one of our specialist dealers or Semperit application engineers. Contracts are agreed according to our general terms and conditions. Subject to change without notice.

**Important notice:** This catalogue has been prepared with the greatest care in order to provide you with all the information you need. The information contained herein incorporates the latest state-of-the-art technology, and is the result of trials and tests carried out over many years, or conforms to the resistance requirements of the media listed as set out in ISO TR 7620:2005(E). The individual conditions of use affect the use of each product. They therefore only ensure the safety that can be expected assuming that the specifications in our written product information, the specifications regarding resistance to chemicals and our cleaning procedures are all complied with. We cannot guarantee this level of safety in the event of improper handling, e.g. squashing, rupturing, stretching or filling with media that are not permitted. Unless specified otherwise, all hoses are manufactured to EN ISO 1307:2006.