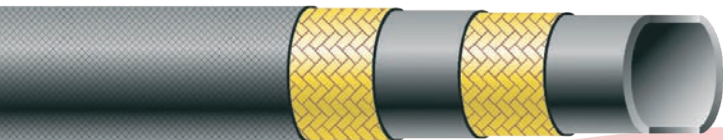


## STEAM HOSE WITH STEEL WIRE INSERTS - DS1

Suitable for conveying saturated steam and hot water. Feature: electrically conductive: resistance  $R < 106 \text{ Ohm}$ . Successfully tested and used many times in the chemical industry. Norm/approval: EN ISO 6134:2005 type 2, class A; (replaces: DIN 2825:1994). The hose is in accordance with DIN 2825:1994, which has been replaced by EN ISO 6134:2005. Note: Superheated steam considerably reduces the service life of the hose! 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

Core: EPDM, black, smooth, electrically conductive

Insert: steel wire inserts braided, galvanized

Cover: EPDM, black, electrically conductive, fabric patterned

Marking: continuous writing band, red: "SEMPERIT S DS1 Saturated Steam 210°C Sempersteam PN 18 bar  $R < 106 \text{ Ohm}$ " as well as opposite, red embossing according to EN ISO 6134 (for EN dimensions).

matching fittings:

Bowl ver-screw connections  
Details page. 106



Bowl fittings with flanges  
Details page 108



Article Number.	No-minal Width (mm)	Wall Thick-ness (mm)	Operating Pressure (bar)		Deposits-number	Bending Ra-dius (mm)	Weight (kg/ meter)	Roll Length (m)
			Saturated steam	Hot water				
68706 1360	13	6	18	55	2	80	0,55	40
48706 1660	16	6	18	55	2	90	0,60	40
48706 1960	19	6	18	55	2	110	0,70	40
48706 2575	25	7,5	18	55	2	180	1,10	40
48706 3280	32	8	18	55	2	250	1,55	40
48706 3880	38	8	18	55	2	300	1,80	40
48706 5090	50	9	18	55	2	420	2,65	40

## STEAM HOSE WITH STEEL WIRE INSERTS- DS2

Suitable for conveying saturated steam and hot water. Standard/approval: According to BS 5342:1985 2A. ATTENTION: Superheated steam (e.g. 18bar, 232°C) reduces the life of the hose considerably! Other lengths (up to 60 m) for NW up to 25 mm available on request.



Temperature range: +210°C (saturated steam), +95°C (hot water)

Safety factor: steam 10 : 1, water 3,15 : 1

Core: EPDM, black, smooth, electrically conductive

Core: Steel wire core braided

Cover: EPDM, black, fabric impression

Marking: continuous embossing tape: "SEMPERIT S DS2 STEAM HOSE BS 5342:2A DN MM/YY 18bar/210°C 250psi/410°F DRAIN AFTER USE"..

matching fittings:

Bowl ver-screw connections  
Details page. 106



Bowl fittings with flanges  
Details page



Article Number	No-minal Width (mm)	Wall Thick-ness (mm)	Operating Pressure (bar)		Deposits-number	Bending Ra-dius (mm)	Weight (kg/ meter)	Roll Length (m)
			Saturated steam	Hot water				
68700 1355	13,5 *	5,5	18	50	1	80	0,50	40
68700 1960	19	6	18	50	1	110	0,65	40
68700 2565	25	6,5	18	50	2	170	1,00	40
48700 3270	32	7	18	50	2	150	1,30	40
48700 3875	38	7,5	18	50	2	200	1,55	40
48700 5180	50,8	8	18	50	2	300	2,15	40

\*DN 13.5 and DN 76.2 are not BS 5342:1985 2A Dimensions

## STEAM HOSE, red - DS3

Suitable for conveying saturated steam and hot water. For use in industry, the automotive sector (workshops) and processing plants. Good resistance to many commercial cleaning agents. Note: Overheated steam considerably reduces the service life of the hose. Please refer to our saturated steam table..

Temperature range: +164°C (saturated steam),  
+95°C (hot water)

Safety factor: steam 10 : 1, water 3,15 : 1

Core: SBR/EPDM, black, smooth, antistatic.

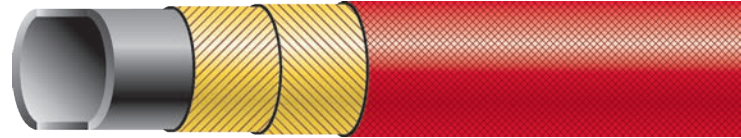
Inlay: Textile inserts wound.

Cover: SBR/NBR, red, limited resistance to grease and oil,  
Fabric impression.

Labelling: continuous writing band, black:

"SEMPERIT S DS3 Saturated Steam

164°C Sempersteam PN 6 bar.



matching fittings:



Shell fittings  
Details page 106



Bowl fittings  
with flanges  
Details page 108

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operation Pressure (bar)		Deposits-number	Bending Radius (mm)	Weight (kg/ meter)	Roll Length (m)
			Saturated steam	Hot water				
48446 1350	13	5	6	18	2	80	0,35	40
48446 1660	16	6	6	18	2	95	0,55	40
48446 1960	19	6	6	18	2	115	0,60	40
48446 2570	25	7	6	18	2	150	0,90	40
48446 3270	32	7	6	18	2	195	1,05	40
48446 3890	38	9	6	18	2	230	1,65	40
48446 5010	50	10	6	18	2	300	2,40	40

## HOT AIR COMPRESSOR HOSE

Compressor hose for use on silo vehicles as connection between unloading compressor and silo. Long service life due to heat-resistant rubber compounds. High burst resistance and good cross-sectional and kink stability due to the use of two steel wire braids.

Temperature range: -40°C / +160°C

Safety factor: 6 : 1

Core: EPDM, black, smooth, resistant to hot air

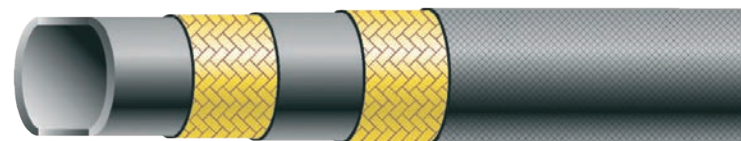
Core: Steel wire core braided

Cover: EPDM, black, abrasion resistant,  
weatherproof, fabric impression

Labelling: continuous embossing tape,  
with coloured underlay: "SEMPERIT S FHKS

Hot Air Compressor/Hot Air Blower

160°C PN 25 bar".



matching fittings:



Storz coupling  
with shell binding  
Details page 084



Tanker truck-  
fittings  
Details page. 072

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Deposits-number	Bending Radius (mm)	Weight (kg/ meter)	Roll Length (m)
1540.050070	51	8	25	2	250	2,40	40
48401 6080	60	8	25	2	320	3,10	40
48401 6580	65	8	25	2	350	3,40	40
1540.075070	75	8	25	2	450	4,00	40

## HOT WATER HOSE

Mainly used as cooling or hot water hose in the iron and steel industry. The vulcanised glass fabric cover serves as protection against external temperature influences, radiant heat and flying sparks. On request: with three glass fabric layers, white core and Nomex® layer. Note: Note different operating pressures



Temperature range: +95°C for hot water,  
Radiation temperature approx. 300°C (with a levy - DH1), approx. 500°C (with three levies - DH3)  
Safety factor: 3.15 : 1  
Core: SBR, black, smooth  
Interfacing: Textile interfacing wound  
Ceiling: Fibreglass cover

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Number of deposits	Bending Radius (mm)	Weight (kg/ meter)	Roll Length (m)
48337 1355	13	5,5	12	2	50	0,50	40
48337 1955	19	5,5	12	2	95	0,60	40
48337 2560	25	6,0	12	2	125	0,75	40
48337 3260	32	6,0	12	2	160	1,00	40
48337 3560	35	6,0	12	2	175	1,15	40
48337 3870	38	7,0	12	2	190	1,35	40
48337 3880	38	8,0	12	2	200	1,55	40
48337 4070	40	7,0	10	2	200	1,45	40

matching fittings

Shell fittings  
Details page 106

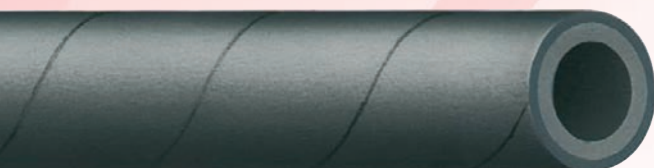


Bowl fittings with flanges  
Details page 108



## STEAM HOSE (low pressure)

For cleaning with hot water or steam. The hose cover is resistant to lactic acid as well as animal and vegetable fats (except poultry fat) and does not stain. Note: Drain water or steam after use.



Temperature range: -40°C / maximum +164°C  
Safety factor: 1:10  
Core: EPDM, black, smooth  
interlining: textile  
Cover: EPDM, black, fabric patterned, perforated  
Marking: Steam hose PN 7 Bar - Max. 164° C

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Burst pressure at 20°C (bar)	Bending Radius (mm)	Weight (kg/ meter)	Roll Length (m)
1420.010050	10	5,5	7	70	100	0,28	40
1420.013050	13	5,5	7	70	130	0,40	40
1420.019070	19	7	7	70	190	0,60	40
1420.025070	25	7	7	70	250	0,78	40
1420.032070	32	7,5	7	70	320	1,05	40
1420.038090	38	9	7	70	380	1,23	40
1420.050090	50	9	7	70	500	1,69	40
1420.063010	63	10	7	70	630	2,09	40
1420.076011	76	11	7	70	760	2,41	40