

# SGB 100

## Suction hose

### Properties

<b>Application</b>	Hose for suction and return lines with restricted installation space
<b>Standard</b>	similar to SAE 100 R4
<b>Inner layer</b>	oil resistant synthetic rubber
<b>Insert</b>	two high tensile textile inserts and one embedded spring steel spiral
<b>Outer layer</b>	synthetic rubber with high ozone, abrasion, and weather resistance
<b>Colour</b>	black
<b>Temp. min.</b>	-40 °C
<b>Temp. max.</b>	100 °C
<b>Media</b>	Mineral oil Water-glycol emulsions Water-oil emulsions



### Note

The recommended flow velocity for media in suction hoses is a maximum 1m/s.

### Item

Identification	DN*	Size	Inches	Internal Ø (mm)	External Ø (mm)	Burst pressure (bar)	Vacuum (bar)	Min. bending radius (mm)
SGB 120	19	12	3/4"	19,0	29	63	-0,8	40
SGB 125	25	16	1"	25,4	35	51	-0,8	55
SGB 132	31	20	1.1/4"	32,0	42	42	-0,8	70
SGB 140	38	24	1.1/2"	38,0	50	30	-0,8	80
SGB 145	45	28	1.3/4"	45,0	56	30	-0,8	100
SGB 150	51	32	2"	50,8	62	30	-0,8	100
SGB 160	60	40	2.3/8"	60,0	72	30	-0,8	145
SGB 163	63	40	2.1/2"	63,5	75	30	-0,8	170
SGB 170	70	44	2.3/4"	70,0	82	30	-0,8	210
SGB 176	76	48	3"	76,2	88	30	-0,8	225
SGB 180	80	50	3.1/8"	80,0	94	30	-0,8	240
SGB 1102	100	64	4"	102,0	116	30	-0,8	305
SGB 1110	110	69	4.3/8"	110,0	125	30	-0,6	335
SGB 1127	125	80	5"	127,0	145	30	-0,6	460
SGB 1152	150	96	6"	152,0	170	30	-0,6	580

DN = Nominal diameter, nominal width – Burst pressure: Safety factor = 3:1