

SG 100 RI

Suction hose

HANSA FLEX

Properties

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|-------------------------|--|
| Application | Hose for suction and return lines |
| Special features | chequered outer cover |
| Standard | similar to SAE 100 R4 |
| Inner layer | oil resistant synthetic rubber |
| Insert | two high tensile textile inserts and one spring steel spiral |
| Outer layer | synthetic rubber |
| Colour | black |
| Temp. min. | -40 °C |
| Temp. max. | 80 °C |
| Media | 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) |
|----------------|-----|------|--------|--------------------|--------------------|-------------------------|-----------------|-----------------------------|
| SG 120 RI | 19 | 12 | 3/4" | 19,0 | 29 | 30 | -0,9 | 50 |
| SG 125 RI | 25 | 16 | 1" | 25,4 | 34 | 30 | -0,9 | 60 |
| SG 132 RI | 31 | 20 | 1.1/4" | 32,0 | 42 | 30 | -0,9 | 75 |
| SG 140 RI | 38 | 24 | 1.1/2" | 38,0 | 48 | 30 | -0,9 | 100 |
| SG 150 RI | 51 | 32 | 2" | 50,8 | 62 | 30 | -0,9 | 130 |
| SG 160 RI | 60 | 40 | 2.3/8" | 60,0 | 72 | 30 | -0,9 | 165 |
| SG 163 RI | 63 | 40 | 2.1/2" | 63,5 | 75 | 30 | -0,9 | 175 |
| SG 176 RI | 76 | 48 | 3" | 76,2 | 89 | 30 | -0,9 | 210 |
| SG 190 RI | 90 | 56 | 3.1/2" | 90,0 | 103 | 21 | -0,9 | 270 |
| SG 1102 RI | 100 | 64 | 4" | 101,6 | 116 | 21 | -0,9 | 300 |
| SG 1127 RI | 125 | 80 | 5" | 127,0 | 142 | 12 | -0,9 | 400 |
| SG 1152 RI | 150 | 96 | 6" | 152,4 | 169 | 12 | -0,9 | 600 |
| SG 1203 RI | 200 | 128 | 8" | 203,0 | 223 | 12 | -0,8 | 810 |

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