

SAE 100 R19

Compact hydraulic hose construction acc. to SAE 100 R19, exceeds ISO 18752 AC



GENERAL

| | |
|--------------------------|---|
| Tube | Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) |
| Reinforcement | Two braids of high tensile steel wire |
| Cover | Abrasion and ozone resistant synthetic rubber Note: various covers available |
| Temperature range | -40°C to 100°C / -40°F to +212°F [max 120°C / 248°F intermittent] |
| Standard branding | Embossed tape |

TECHNICAL DETAILS

| Nominal | | | Internal-Ø | | Braid-Ø | | External-Ø | | Work. pressure [max.] | | Min. burst pressure | | Bending radius [min.] | | Weight approx. | |
|---------|------|------|------------|------|---------|------|------------|------|-----------------------|------|---------------------|-------|-----------------------|------|----------------|------|
| mm | inch | dash | mm | inch | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | lbs/ft | kg/m |
| 6 | 1/4 | -4 | 6.6 | 0.26 | 11.9 | 0.47 | 13.9 | 0.55 | 280 | 4060 | 1120 | 16240 | 50 | 2.0 | 0.22 | 0.32 |
| 10 | 3/8 | -6 | 9.9 | 0.39 | 15.1 | 0.59 | 17.0 | 0.67 | 280 | 4060 | 1120 | 16240 | 65 | 2.6 | 0.26 | 0.39 |
| 12 | 1/2 | -8 | 13.0 | 0.51 | 18.3 | 0.72 | 20.5 | 0.81 | 280 | 4060 | 1120 | 16240 | 90 | 3.5 | 0.32 | 0.48 |
| 16 | 5/8 | -10 | 16.4 | 0.65 | 22.1 | 0.87 | 24.0 | 0.94 | 280 | 4060 | 1120 | 16240 | 100 | 3.9 | 0.46 | 0.68 |
| 19 | 3/4 | -12 | 19.5 | 0.77 | 26.0 | 1.02 | 27.6 | 1.09 | 280 | 4060 | 1120 | 16240 | 120 | 4.7 | 0.59 | 0.88 |

Please note: Before using our products with new or untested media, or for applications that are not clearly indicated in the product information, written advice must be obtained from a specialist dealer or a Semperit application engineer. For safety reasons, all products must be inspected regularly for operational safety and replaced in the event of any damage (especially of the cover) or unusual signs of wear and tear. All products must be stored, handled, and maintained in accordance with all our respective instructions and DIN 7716:1982. Notwithstanding the above listed temperature range the maximum surface temperature of the SemperShield hose cover must not exceed 120°C. The information in our catalogue as well as each individual datasheet is subject to change at any time without notice since we are constantly developing and improving our products and due to constant technical developments after the latest release date of the catalogue and/or individual datasheets. In order to always have the latest product and safety information make sure you visit our website [hoses.semperitgroup.com] regularly or contact one of our specialist dealers or a Semperit application engineer. All contracts concluded with us are exclusively subject to our general terms and conditions [available at hoses.semperitgroup.com].

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