

SAE 100 R16-S

Compact hydraulic hose construction acc. to SAE 100 R16S



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	11.7	0.46	13.7	0.54	400	5800	1600	23200	50	2.0	0.17	0.25
8	5/16	-5	8.3	0.33	13.0	0.51	15.0	0.59	350	5075	1400	20300	55	2.2	0.18	0.27
10	3/8	-6	9.9	0.39	15.1	0.59	17.0	0.67	330	4785	1320	19140	65	2.6	0.24	0.36
12	1/2	-8	13.0	0.51	18.3	0.72	20.5	0.81	275	3990	1100	15960	90	3.5	0.31	0.46
16	5/8	-10	16.4	0.65	21.9	0.86	23.8	0.94	250	3625	1000	14500	100	3.9	0.43	0.64
19	3/4	-12	19.5	0.77	25.5	1.00	27.7	1.09	215	3120	860	12480	120	4.7	0.52	0.78
25	1	-16	26.0	1.02	32.7	1.29	35.3	1.39	165	2395	660	9580	150	5.9	0.78	1.16

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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