

DIN EN 856/SAE 100 R 12

Multispiral hydraulic hose acc. to EN 856 / SAE 100 R12 –
MSHA approved



GENERAL

Tube	Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC)
Reinforcement	Four spiral layers of high tensile steel wire
Cover	Abrasion and ozone resistant synthetic rubber – MSHA approved Note: various covers available
Temperature range	-40°C to 121°C / -40°F to +250°F
Standard branding	Mylar tape

TECHNICAL DETAILS

																
Nominal			Internal-Ø		Spiral-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
10	3/8	-6	9.9	0.39	17.4	0.69	20.2	0.79	280	4060	1120	16240	125	4.9	0.45	0.67
12	1/2	-8	13.0	0.51	20.6	0.81	24.2	0.95	280	4060	1120	16240	180	7.1	0.56	0.84
16	5/8	-10	16.4	0.65	24.2	0.95	27.9	1.10	280	4060	1120	16240	200	7.9	0.76	1.13
19	3/4	-12	19.5	0.77	27.9	1.10	30.5	1.20	280	4060	1120	16240	240	9.4	0.89	1.33
25	1	-16	25.9	1.02	35.1	1.38	37.9	1.49	280	4060	1120	16240	300	11.8	1.20	1.79
31	1-1/4	-20	32.5	1.28	44.1	1.73	46.2	1.82	210	3045	840	12180	420	16.5	1.74	2.59
38	1-1/2	-24	38.7	1.52	49.9	1.96	53.3	2.10	175	2540	700	10160	500	19.7	2.17	3.23
51	2	-32	51.1	2.01	63.7	2.51	66.6	2.62	175	2540	700	10160	630	24.8	2.97	4.42

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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