

# DIN EN 853 1 SN SAE 100 R 1 S



Wire braid hydraulic hose meets EN 853 1SN, SAE 100R1 and ISO 1436 1SN



## GENERAL

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

## TECHNICAL DETAILS

																
Nominell			Innen-Ø		Geflecht-Ø		Außen-Ø		Betriebsdruck [max.]		Min. Berstdruck		Biegeradius [min.]		Gewicht ca.	
mm	Zoll	dash	mm	Zoll	mm	Zoll	mm	Zoll	bar	psi	bar	psi	mm	Zoll	lbs/ft	kg/m
6	1/4	-4	6,6	0,26	10,8	0,43	12,9	0,51	225	3265	900	13060	100	3,9	0,12	0,18
8	5/16	-5	8,3	0,32	12,5	0,49	14,7	0,58	215	3120	860	12480	115	4,5	0,15	0,22
10	3/8	-6	9,9	0,39	14,8	0,58	16,7	0,66	180	2610	720	10440	125	4,9	0,19	0,29
12	1/2	-8	13,0	0,51	17,9	0,70	19,9	0,78	160	2320	640	9280	180	7,1	0,24	0,36
16	5/8	-10	16,4	0,65	21,0	0,83	23,2	0,91	130	1885	520	7540	200	7,9	0,28	0,42
19	3/4	-12	19,5	0,77	25,0	0,98	27,1	1,07	105	1525	420	6100	240	9,4	0,36	0,53
25	1	-16	26,0	1,02	32,9	1,30	35,1	1,38	88	1275	352	5100	300	11,8	0,55	0,82
31	1-1/4	-20	32,5	1,28	39,9	1,57	42,5	1,67	63	915	252	3660	420	16,5	0,70	1,04
38	1-1/2	-24	38,7	1,52	46,5	1,83	50,1	1,97	50	725	200	2900	500	19,7	0,95	1,41
51	2	-32	51,1	2,01	60,1	2,36	64,1	2,52	40	580	160	2320	630	24,8	1,37	2,04

**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](https://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](https://hoses.semperitgroup.com)).

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