

# 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

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	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

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