

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

Tube	Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC)
Reinforcement	One braid 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	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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