

SAE 100 R1 / EN853 1SN

Steel Wire Reinforced Hydraulic Hose

Description

Inner Tube :

oil resistant synthetic rubber - delivering hydraulic oils for long-term use.

Reinforcement Layer:

single steel wire braided - its used to withstand high pressure.

Cover :

oil resistant and weather resistant synthetic rubber - it can work at tough condition and complex environment.

Temperature :

-40°C (-104°F) to +100°C (+212 °F)



SAE 100 R1 AT

Metric Size	Inch Size	Dash Size	 I.D		W.D		 O.D	 W.P		 B.P		
			(mm)		(mm)		(mm)					
mm	Inches	Dash	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	mm	Kg/m
5.0	3/16"	03	4.6	5.4	8.9	10.1	12.5	21.0	3045	84.0	90	0.20
6.3	1/4"	04	6.2	7.0	10.6	11.7	14.1	19.2	2784	77.0	100	0.25
8.0	5/16"	05	7.7	8.5	12.1	13.3	15.7	17.5	2538	70.0	115	0.31
10.0	3/8"	06	9.3	10.1	14.5	15.7	18.1	15.7	2277	63.0	125	0.36
12.5	1/2"	08	12.3	13.5	17.5	19.0	21.5	14.0	2030	56.0	180	0.45
16.0	5/8"	10	15.5	16.7	20.6	22.2	24.7	10.5	1523	42.0	205	0.52
19.0	3/4"	12	18.6	19.8	24.6	26.2	28.6	8.7	1262	35.0	240	0.65
25.0	1	16	25.0	26.4	32.5	34.1	36.6	7.0	1015	28.0	300	0.91
31.5	1.1/4"	20	31.4	33.0	39.3	41.7	44.8	4.3	624	17.5	420	1.30
38.0	1.1/2"	24	37.7	39.3	45.6	48.0	52.0	3.5	508	14.0	500	1.70
51.0	2	30	50.4	52.0	58.7	61.7	65.9	2.6	377	10.5	630	2.00

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Metric Size	Inch Size	Dash Size	 I.D.		W.D		 O.D	 W.P		 B.P		
			(mm)	(mm)	(mm)	Mpa	Psi	Mpa	mm	kg		
mm	Inches	Dash	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	mm	Kg/m
5.0	3/16"	03	4.6	5.4	9.0	10.0	12.5	25.0	3625	100	90	0.20
6.3	1/4"	04	6.2	7.0	10.6	11.6	14.1	22.5	3263	90	100	0.25
8.0	5/16"	05	7.7	8.5	12.1	13.3	15.7	21.5	3118	85	115	0.31
10.0	3/8"	06	9.3	10.1	14.5	15.7	18.1	18.0	2610	72	130	0.36
12.5	1/2"	08	12.3	13.5	17.5	19.1	21.4	16.0	2320	64	180	0.45
16.0	5/8"	10	15.5	16.7	20.6	22.2	24.5	13.0	1885	52	200	0.52
19.0	3/4"	12	18.6	19.8	24.6	26.2	28.5	10.5	1523	42	240	0.65
25.0	1	16	25.0	26.4	32.5	34.1	36.6	8.8	1276	35	300	0.91
31.5	1.1/4"	20	31.4	33.0	39.3	41.7	44.8	6.3	914	25	420	1.30
38.0	1.1/2"	24	37.7	39.3	45.6	48.0	52.1	5.0	725	20	500	1.70
51.0	2	30	50.4	52.0	58.7	61.7	65.5	4.0	580	16	630	2.00

Application Fields:

mine hydraulic support: excavator
oil field mining: drilling equipment, drilling rig, oil pump
engineering construction: lift machine, scraper, loader, drill, pile driver
road construction machinery: rock crusher, stone crusher

Product features:

Oil resistance and high pressure resistance
High temperature resistance and heat resistance
Aging resistance with long service life
Good flexibility without distortion