

Today, Hydraulic hoses are composed of three parts: an inner tube (which transports the fluid), a reinforcement layer, and a protective covering/outer layer. The inner tube is usually designed to be flexible, and it needs to be compatible with the specific type of fluid that will pass through it.

On the other hand, the reinforcement layer is made from single or multiple sheaths of braided wire, textile yarn or spiral-wound wire. Lastly, the protective covering is made to be resistant to oil, abrasion, and the elements. So, you will need to choose the specific type of protection that you need depending on the environment that the hose will be used.

Construction

Core : Black Color, Synthetic rubber resistant to oil and water

Cover : Wrap finish Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone

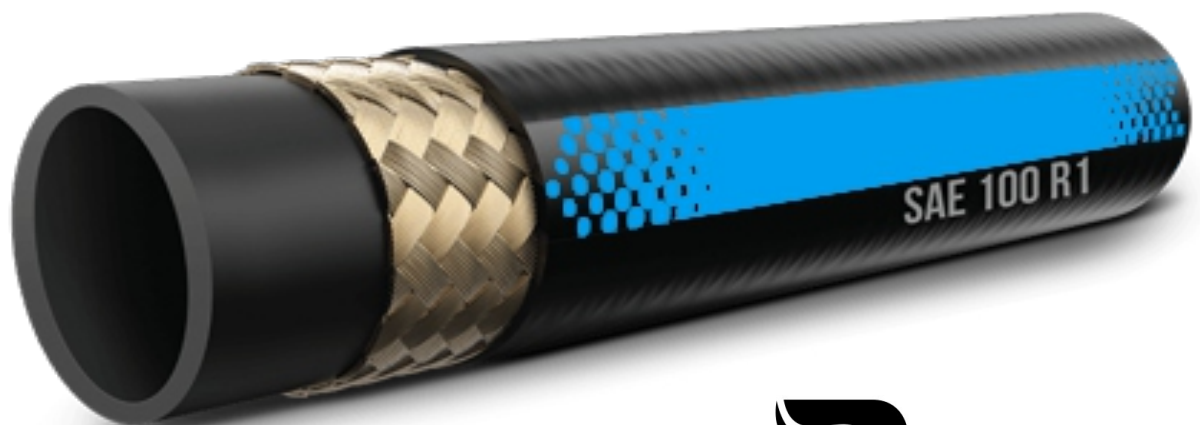
Reinforcement : Single braided high tensile steel wire

Application : Medium Pressure Hydraulic Lines 20 to 400 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agriculture, Earthmoving & Material handling equipments and machineries/systems

Temperature Range : Continuous: -40°C to +100°C

Impulse Cycles : 150,000; Tested upto 1" I.D

Applicable Standard : SAE 100 R1 AT/DIN EN853 1SN



Phoenix

SAE 100 R1 - Type AT/DIN 20022 - 1SN - Single Wire

Item Code	ID	ID	OD	W.P	W.P	B.P	B.P	Std Length	Price
	inch	mm	mm	psi	bar	psi	bar	mtr	Per Mtr
14R1	1/4"	6.4	13.4	3265	225	13050	900	50	135.00
516R1	5/16"	7.9	15.0	3125	215	12470	860	50	155.00
38R1	3/8"	9.5	17.8	2610	180	10440	720	50	170.00
12R1	1/2"	12.7	20.6	2320	160	9280	640	50	200.00
58R1	5/8"	15.9	23.7	1890	130	7540	520	50	250.00
34R1	3/4"	19	27.9	1525	105	6100	421	50	305.00
1R1	1"	25.4	35.8	1275	88	5100	352	50	390.00
114R1	1-1/4"	31.8	43.7	925	63	3700	255	20	650.00
112R1	1-1/2"	38.1	49.8	725	50	2900	200	20	760.00
2R1	2"	50.8	64.0	580	40	2320	160	20	1025.00
212R1	2-1/2"	64.0	78.0	365	25	1460	100	20	1950.00
3R1	3"	76.0	90.0	290	20	1160	80	20	2550.00

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On the other hand, the reinforcement layer is made from single or multiple sheaths of braided wire, textile yarn or spiral-wound wire. Lastly, the protective covering is made to be resistant to oil, abrasion, and the elements. So, you will need to choose the specific type of protection that you need depending on the environment that the hose will be used.

Construction

Core : Black Color, Synthetic rubber resistant to oil and water

Cover : Wrap finish Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone

Reinforcement : Double braided high tensile steel wire

Application : Medium Pressure Hydraulic Lines 20 to 400 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agriculture, Earthmoving & Material handling equipments and machineries/systems

Temperature Range : Continuous: -40°C to +100°C

Impulse Cycles : 150,000; Tested upto 1" I.D

Applicable Standard : SAE 100 R2 AT/DIN EN853 2SN



SAE 100 R2 - Type AT/DIN 20022 - 2SN - Double Wire

Item Code	ID	ID	OD	W.P	W.P	B.P	B.P	Std Length	Price
	inch	mm	mm	psi	bar	psi	bar	mtr	Per Mtr
14R2	1/4"	6.4	15.2	5800	400	23200	1600	50	170.00
516R2	5/16"	7.9	16.5	5100	350	20400	1400	50	205.00
38R2	3/8"	9.5	19.0	4800	330	19200	1325	50	220.00
12R2	1/2"	12.7	22.3	4000	275	16000	1100	50	270.00
58R2	5/8"	15.9	25.2	3625	250	14500	1000	50	335.00
34R2	3/4"	19	29.2	3100	215	12400	855	50	380.00
1R2	1"	25.4	37.6	2400	165	9600	662	50	525.00
114R2	1-1/4"	31.8	48.3	1825	125	7300	500	20	900.00
112R2	1-1/2"	38.1	54.6	1300	90	5200	360	20	950.00
2R2	2"	50.8	67.3	1175	80	4700	324	20	1250.00
212R2	2-1/2"	64.0	80.0	1000	59	4000	276	20	2450.00
3R2	3"	76.0	93.0	650	45	2600	180	20	2900.00