HYDRAULIC HOSE

SAE 100 R1

Specification	SAE 100R1
Lining	Oil Resistant Nitrile Rubber
Reinforcement	One HTS wire braid
Cover	Oil, weather & abrasion resistant
Temperature	(-) 40 to 120°C
Suitable for	Air, Water, Nitrogen, Hydraulic Oil

ID		OD	Working Pressure	Test Pressure	Burst Pressure	Bend Radius
Inch	Mm	(mm)	(psi)	(psi)	(psi)	(mm)
1/4	6.4	13.4	2750	5500	11000	102
5/16	7.9	15.0	2500	5000	10000	114
3/8	9.5	17.4	2250	4500	9000	127
1/2	12.7	20.5	2000	4000	8000	178
5/8	15.9	23.7	1500	3000	6000	203
3/4	19.0	27.7	1250	2500	5000	241
1	25.4	35.6	1000	2000	4000	305
1 1/4	31.8	46.0	625	1250	2500	419
1 1/2	38.1	52.4	500	1000	2000	508
2	50.8	66.7	375	750	1500	635
2 1/2	63.5	79.5	362	724	1448	762
3	76.2	94.5	290	580	1160	915
3 1/2	90.0	105.5	220	440	880	1067
4	101.6	117.0	145	290	580	1105

Higher working pressure hoses of SEMPERIT / GOODYEAR / GATES / PARKER on request

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SAE 100 R2

Specification	SAE 100R2
Lining	Oil Resistant Nitrile Rubber
Reinforcement	Two HTS wire braid
Cover	Oil, weather & abrasion resistant
Temperature	(-) 40 to 120°C
Suitable for	Air, Water, Nitrogen, Hydraulic Oil

ID		OD	Working Pressure	Test Pressure	Burst Pressure	Bend Radius
Inch	Mm	(mm)	(psi)	(psi)	(psi)	(mm)
1/4	6.4	15.1	5000	10000	20000	100
5/16	7.9	16.7	4250	8500	17000	115
3/8	9.5	19.1	4000	8000	16000	127
1/2	12.7	22.2	3500	7000	14000	178
5/8	15.9	25.4	2750	5500	11000	203
3/4	19.0	29.4	2250	4500	9000	241
1	25.4	38.1	2000	4000	8000	305
1 1/4	31.8	50.8	1625	3250	6500	419
1 1/2	38.1	57.1	1250	2500	5000	508
2	50.8	69.8	1125	2250	4500	635
2 1/2	63.5	82.5	1000	2000	4000	762
3	76.2	96.0	650	1300	2600	915
3 1/2	90.0	108.5	400	800	1600	1067
4	101.6	118.5	365	730	1460	1105

Higher working pressure hoses of SEMPERIT / GOODYEAR / GATES / PARKER on request

SAE 100 R3

Specification	SAE 100R3
Lining	Oil Resistant Nitrile Rubber
Reinforcement	Two Textile braid
Cover	Oil, weather & abrasion resistant
Temperature	(-) 40 to 120°C
Suitable for	Air, Water, Nitrogen, Hydraulic Oil

ID		OD	Working Pressure	Test Pressure	Burst Pressure	Bend Radius
Inch	Mm	(mm)	(psi)	(psi)	(psi)	(mm)
1/4	6.4	14.3	1250	2500	5000	76
5/16	7.9	17.5	1200	2400	4800	102
3/8	9.5	19.0	1125	2250	4500	102
1/2	12.7	23.8	1000	2000	4000	127
5/8	15.9	27.0	875	1750	3500	127
3/4	19.0	31.8	750	1500	3000	152
1	25.4	38.1	565	1130	2260	203
1 1/4	31.8	44.5	375	750	1500	254
1 1/2	38.1	50.8	250	500	1000	306
2	50.8	64.0	215	430	860	410

SAE 100 R4

Specification	SAE 100R4
Lining	Oil Resistant Nitrile Rubber
Reinforcement	Textile braids / plies with spiral helical wire.
Cover	Oil, weather & abrasion resistant
Temperature	(-) 40 to 120°C
Suitable for	Air, Water, Nitrogen, Hydraulic Oil

ID		OD	Working Pressure	Test Pressure	Burst Pressure	Bend Radius
Inch	Mm	(mm)	(psi)	(psi)	(psi)	(mm)
3/4	19.0	34.9	300	600	1200	127
1	25.4	41.3	250	500	1000	152
1 1/4	31.8	50.8	200	400	800	203
1 1/2	38.1	57.2	150	300	600	254
2	50.8	69.9	100	200	400	305
2 1/2	63.5	82.0	62	124	248	356
3	76.2	95.0	56	112	224	457