

1.1 Wire Braid Hydraulic Hose

HYDRAULIC SERIES

DIN EN 853 1SN / SAE 100 R1AT

Tube: Oil resistant synthetic rubber

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, abrasion and weather resistant synthetic rubber. MSHA accepted.

Temperature range: - 40°C to + 100°C



Hose ID		Wire OD	Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	mm	Mpa	Psi	Mpa	Psi	mm	Kg/m
3/16	4.8	9.5	11.8	25.0	3630	100	14280	90	0.190
1/4	6.4	10.8	12.8	22.5	3270	90	12840	100	0.222
5/16	7.9	12.5	14.5	21.5	3120	85	12280	115	0.261
3/8	9.5	14.6	16.8	18.0	2610	72	10280	130	0.324
1/2	12.7	17.6	19.8	16.0	2320	64	9180	180	0.418
5/8	15.9	21.1	23.1	13.0	1890	52	7420	200	0.476
3/4	19.0	24.7	27.0	10.5	1530	42	6000	240	0.619
1	25.4	32.5	35.0	8.8	1280	35	5020	300	0.883
1-1/4	31.8	39.5	43.5	6.3	920	25	3600	420	0.883
1-1/2	38.1	45.8	49.8	5.0	730	20	2860	500	1.408
2	50.8	59.0	63.0	4.0	580	16	2280	630	1.889

DIN EN 853 2SN / SAE 100 R2AT

Tube: Oil resistant synthetic rubber.

Reinforcement: Two high tensile steel wire braid.

Cover: Black, abrasion and weather resistant synthetic rubber. MSHA accepted.

Temperature range: - 40°C to + 100°C



Hose ID		Wire OD	Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	mm	Mpa	Psi	Mpa	Psi	mm	Kg/m
3/16	4.8	11.1	13.4	41.4	6000	165	23720	90	0.310
1/4	6.4	12.6	14.6	40.0	5800	160	22840	100	0.342
5/16	7.9	14.3	16.3	36.0	5250	140	20000	115	0.403
3/8	9.5	16.4	18.6	33.1	4800	132	18840	130	0.491
1/2	12.7	19.4	21.6	27.6	4000	110	15720	180	0.646
5/8	15.9	22.9	24.9	25.0	3630	100	14280	200	0.733
3/4	19.0	26.5	28.8	21.5	3120	85	12280	240	0.929
1	25.4	34.2	36.8	16.5	2400	65	9420	300	1.334
1-1/4	31.8	41.3	45.3	12.5	1820	50	7140	420	1.684
1-1/2	38.1	47.8	51.8	9.0	1310	36	5140	500	1.918
2	50.8	61.0	65.0	8.0	1160	32	4560	630	2.559