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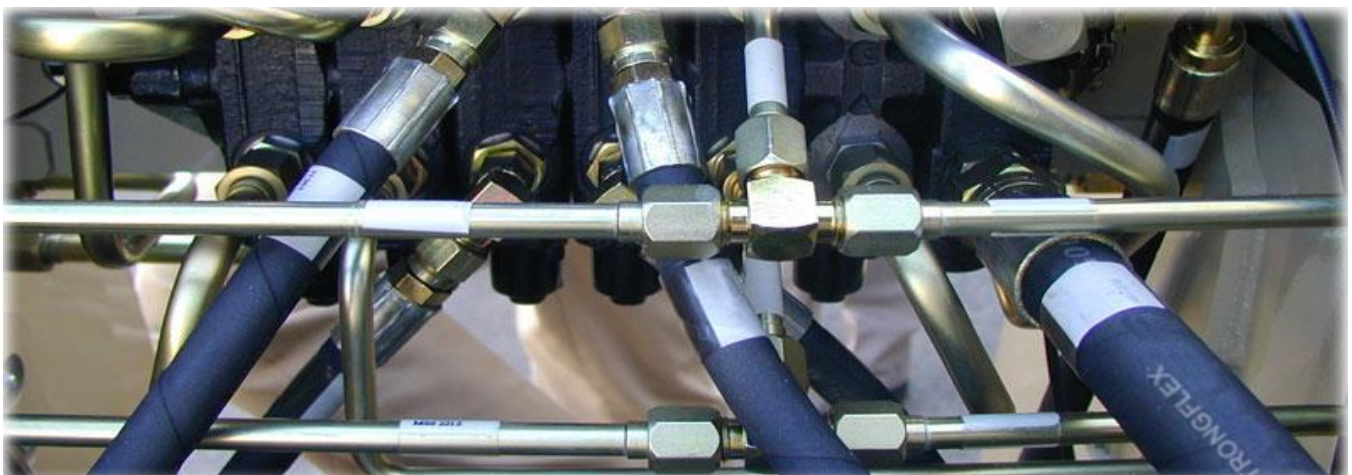
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1.101 Wire Braid Hydraulic Hose

EN 853 Type 1SN / SAE 100R1 AT

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	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	2610	72	10280	130	0.324
1/2	12.7	17.6	19.8	16	2320	64	9180	180	0.418
5/8	15.9	21.1	23.1	13	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	1.220
1-1/2	38.1	45.8	49.8	5	730	20	2860	500	1.408
2	50.8	59.0	63.0	4	580	16	2280	630	1.889

EN 853 Type 2SN / SAE 100 R2AT

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel wire braided.

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	5800	160	22840	100	0.342
5/16	7.9	14.3	16.3	36	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	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	1310	36	5140	500	1.918
2	50.8	61.0	65.0	8	1160	32	4560	630	2.559

▣ DIN EN857 Type 1SC

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile steel wire braid.

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

Temperature range: - 40°C to + 100°C



Hose I.D		Wire OD	Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
1/4	6.4	10.0	12.0	30.0	4350	120	17400	75	0.173
5/16	7.9	11.5	13.6	27.5	3980	110	15950	80	0.194
3/8	9.5	13.8	15.8	22.5	3263	90	13050	90	0.244
1/2	12.7	17.0	19.0	20	2900	80	11600	127	0.328
5/8	15.9	20.4	22.5	15	2175	60	8700	153	0.416
3/4	19.0	24.0	26.1	15	2175	60	8700	180	0.500
1	25.4	31.3	33.5	11	1595	45	6525	230	0.713

▣ DIN EN857 Type 2SC

Meets and exceeds SAE 100R16

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel wire braid.

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

Temperature range: - 40°C to + 100°C



Hose I.D		Wire OD	Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
1/4	6.4	11.3	13.5	45	6525	180	26100	75	0.296
5/16	7.9	12.8	15.0	40	5800	160	23200	85	0.327
3/8	9.5	15.1	17.3	37.5	5438	150	21750	90	0.398
1/2	12.7	18.3	20.5	31	4495	124	17980	130	0.500
5/8	15.9	21.7	23.9	30	4350	120	17400	170	0.632
3/4	19.0	25.5	27.7	28.7	4162	115	16675	200	0.738
1	25.4	32.8	35.4	22.5	3263	90	13050	250	1.034

▣ SAE J517 Type 100 R17

Tube: oil resistant synthetic rubber.

Reinforcement: One or two braids of high tensile steel wire.

Cover: Black, oil and abrasion resistant Neoprene (CR).

Temperature range: -40°F to 212°F(-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
1/4	6.4	10.2	12.3	20.7	3,000	82.7	12,000	51	0.203
5/16	7.9	11.7	13.8	20.7	3,000	82.7	12,000	60	0.236
3/8	9.5	14.0	16.1	20.7	3,000	82.7	12,000	64	0.297
1/2	12.7	17.2	19.2	20.7	3,000	82.7	12,000	89	0.358
5/8	15.9	22.4	24.7	20.7	3,000	82.7	12,000	102	0.734
3/4	19.0	26.0	28.4	20.7	3,000	82.7	12,000	127	0.915
1	25.4	33.5	35.9	20.7	3,000	82.7	12,000	152	1.242

1.102 Wire Multi-Spiral Hydraulic Hose

DIN 20023 4SP / EN 856 4SP

Tube: oil resistant synthetic rubber.

Reinforcement: four high tensile steel wire spiral layers (4W/S)

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

Temperature range: - 40°C to + 125°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
3/8	9.5	17.5	21.3	45.0	6500	180	26000	180	0.751
1/2	12.7	20.4	24.4	41.5	6000	166	24000	230	0.943
5/8	15.9	23.7	28.1	35.0	5000	140	20000	250	1.269
3/4	19.0	28.2	32.0	35.0	5000	140	20000	300	1.450
1	25.4	35.0	39.0	28.0	4000	112	16000	340	2.178
1-1/4	31.8	46.0	49.9	21.0	3000	84	12000	460	2.825
1-1/2	38.1	52.4	57.0	18.5	2700	74	10800	560	3.441
2	50.8	65.4	70.8	16.5	2400	66	9600	600	4.764

DIN 20023 4SH / EN 856 4SH

Tube: oil resistant synthetic rubber.

Reinforcement: four high tensile steel wire spiral layers (4W/S)

Cover: abrasion and weather resistant synthetic rubber MSHA accepted.

Temperature range: - 40°C to + 125°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
3/4	19.0	28.2	32.0	42.0	6000	168	24000	280	1.761
1	25.4	35.0	38.1	38.0	5500	152	22000	340	2.178
1-1/4	31.8	42.2	45.2	32.5	4700	138	18800	460	2.825
1-1/2	38.1	49.0	53.5	29.0	4200	116	16800	560	3.441
2	50.8	63.5	68.0	25.0	3600	100	14400	700	4.764



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[http:// www.strongflex.com](http://www.strongflex.com)

SAE 100 R12

Tube: oil resistant synthetic rubber.

Reinforcement: four high tensile steel wire spiral layers (4W/S)

Cover: Gray or black, abrasion and weather resistant synthetic rubber, MSHA accepted.

Temperature range: - 40°C to + 125°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
3/8	9.5	17.5	20.0	27.5	4000	110.3	16000	130	0.70
1/2	12.7	20.4	23.5	27.5	4000	110.3	16000	180	0.84
5/8	15.9	24.4	27.2	27.5	4000	110.3	16000	200	1.10
3/4	19.0	27.4	30.4	27.5	4000	110.3	16000	240	1.33
1	25.4	35.0	37.6	27.5	4000	110.3	16000	300	1.85
1-1/4	31.8	43.0	45.9	20.7	3000	82.7	12000	420	2.65
1-1/2	38.1	50.0	53.5	17.2	2500	68.9	10000	500	3.20
2	50.8	63.5	66.7	17.2	2500	68.9	10000	630	4.50

SAE 100 R13

Tube: oil resistant synthetic rubber.

Reinforcement: four or six high tensile steel wire spiral layers (4W/S or 6W/S)

Cover: Red or black, abrasion and weather resistant synthetic rubber, MSHA accepted.

Temperature range: - 40°C to + 125°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
3/4	19.0	29.0	32.0	35.0	5090	160	23270	280	1.450
1	25.4	36.0	39.2	35.0	5090	160	23270	340	2.178
1-1/4	31.8	46.0	49.0	35.0	5090	160	23270	460	2.825
1-1/2	38.1	54.6	57.8	35.0	5090	160	23270	560	3.441
2	50.8	67.5	72.0	35.0	5090	160	23270	700	4.764

SAE 100 R15

Tube: oil resistant synthetic rubber.

Reinforcement: six high tensile steel wire spiral layers.

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

Temperature range: - 40°C to + 125°C



Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	kg/m
1/2	12.7	26.8	41.4	6000	165.5	24000	203	0.87
5/8	15.9	30.2	41.4	6000	165.5	24000	254	1.31
3/4	19.0	36.1	41.4	6000	165.5	24000	267	1.61
1	25.4	42.9	41.4	6000	165.5	24000	330	2.20
1-1/4	31.8	51.5	41.4	6000	165.5	24000	444	3.57
1-1/2	38.1	59.6	41.4	6000	165.5	24000	533	4.98
2	50.8	73.5	41.4	6000	165.5	24000	762	7.06

1.103 Textile Braid Hydraulic Hose

SAE J517 Type 100 R6 / 1TE

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile fibre braided).

Cover: abrasion and weather resistant synthetic rubber

Temperature range: - 40°C to + 100°C



Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	Kg/m
3/16	4.8	11.1	3.5	500	14.0	2000	50	0.11
1/4	6.4	12.7	2.7	400	11.0	1600	65	0.15
5/16	7.9	14.3	2.7	400	11.0	1600	75	0.16
3/8	9.5	15.9	2.7	400	11.0	1600	75	0.18
1/2	12.7	19.8	2.7	400	11.0	1600	100	0.26
5/8	15.9	23.0	2.4	350	9.7	1400	125	0.29
3/4	19.0	26.6	2.0	300	8.3	1200	150	0.40

SAE J517 Type 100 R3

Tube: oil resistant synthetic rubber.

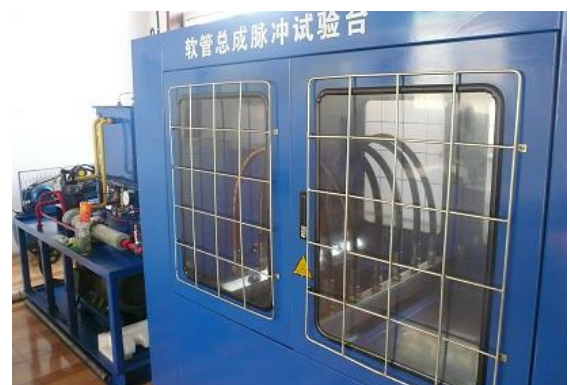
Reinforcement: two high tensile fibre braided.

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

Temperature range: - 40°C to + 125°C



Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	Kg/m
3/16	4.8	12.7	10.3	1500	41.4	6000	75	0.16
1/4	6.4	14.3	8.6	1250	34.5	5000	75	0.19
5/16	7.9	17.5	8.3	1200	33.1	4800	100	0.26
3/8	9.5	19.0	7.8	1125	31.0	4500	100	0.28
1/2	12.7	23.8	6.9	1000	27.6	4000	125	0.40
5/8	15.9	27.0	6.0	875	24.1	3500	140	0.55
3/4	19.0	31.8	5.2	750	20.7	3000	150	0.69
1	25.4	38.0	3.9	565	15.5	2250	205	0.82
1-1/4	31.8	44.4	2.6	375	10.3	1500	250	1.00



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1.103 Textile Braid Hydraulic Hose

EN854 2TE

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile fibre braided.

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

Temperature range: - 40°C to + 125°C



Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	Kg/m
1/4	6.4	13.4	7.5	1087	30.0	4350	40	0.13
5/16	7.9	14.9	6.8	986	27.2	3944	50	0.25
3/8	9.5	16.5	6.3	913	25.2	3654	60	0.18
1/2	12.7	19.7	5.8	841	23.2	3364	70	0.22
5/8	15.9	23.9	5.0	725	20.0	2900	90	0.29
3/4	19.0	27.0	4.5	652	18.0	2610	110	0.37
1	25.4	34.4	4.0	580	16.0	2320	150	0.53
1-1/4	31.8	41.3	3.5	508	14.0	2030	160	0.70

EN 854 3TE

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile fibre braided.

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

Temperature range: - 40°C to + 125°C



Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	Kg/m
1/4	6.4	14.2	14.5	2100	58.0	8410	45	0.15
5/16	7.9	16.6	13.0	1880	52.0	7540	55	0.21
3/8	9.5	18.2	11.0	1590	44.4	6380	70	0.23
1/2	12.7	21.5	9.3	1340	37.2	5390	85	0.29
5/8	15.9	25.6	8.0	1160	32.0	4640	105	0.39
3/4	19.0	28.8	7.0	1010	28.0	4060	130	0.45
1	25.4	35.4	5.5	790	22.0	3190	150	0.57
1-1/4	31.8	42.5	4.5	650	18.0	2610	190	0.73
1-1/2	28.0	49.4	4.0	580	16.0	2320	240	0.93
2	51.0	62.2	3.0	470	13.2	1910	300	1.30

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1.104 Wire Braid –Textile Cover Hose

SAE J517 Type 100 R5

Tube: oil resistant synthetic rubber.

Reinforcement: 1T/BX1W/B (fibre inner braid +one high tensile steel wire braid)

Cover: one textile braid embedded with synthetic rubber

Temperature range: - 40°C to + 100°C



Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	kg/m
3/16	4.8	13.2	20.7	3000	82.7	12000	76	0.24
1/4	6.4	14.8	20.7	3000	82.7	12000	86	0.29
5/16	7.9	17.1	15.5	2250	62.1	9000	102	0.36
13/32	10.3	19.5	13.8	2000	55.2	8000	117	0.48
1/2	12.7	23.4	12.1	1750	48.3	7000	140	0.55
5/8	15.9	27.4	10.3	1500	41.4	6000	165	0.65
7/8	22.2	31.4	5.5	800	22.1	32000	187	0.69
1-1/8	28.6	38.1	4.3	625	17.2	25000	229	0.84
1-3/8	35.0	44.4	3.4	500	13.8	2000	267	1.03
1-13/16	46.0	56.4	2.4	350	9.6	14000	337	1.26
2-3/8	60.5	73.0	2.4	350	9.6	14000	610	2.00
3	76.5	90.5	1.4	200	5.6	800	840	3.00

1.105 Stainless Steel Teflon Hose

Stainless Steel Teflon Hose SAE 100 R14

Tube: Temperature chemical resistant PTFE material

Cover: Braided with stainless steel

Temperature range: - 60°C to + 260°C



Nominal Diameter	Hose ID	Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Wall thickness
	mm	mm	Psi	Bar	Psi	Bar		
1/8	3.30-3.51	6.10-6.60	4830	333	14500	1000	38	0.98
1/4	4.65-5.16	7.32-8.43	4330	299	13000	897	71	0.98
5/16	5.97-6.81	8.26-9.42	4000	276	12000	828	76	0.98
3/8	7.54-8.38	10.36-11.63	3330	230	10000	690	127	0.98
1/2	9.93-10.64	12.78-14.10	2660	183	8000	552	133	0.98
5/8	12.57-13.34	12.75-16.76	2330	161	7000	483	177	1.20
3/4	15.24-16.51	18.62-20.14	2000	138	6000	414	203	1.50
1	21.46-22.99	24.64-26.95	1500	103	4500	310	241	1.50
1-1/4	27.80-29.40	31.90-33.50	600	41	2500	172	406	1.50

1.106 Rubber Resin Hose

Structure and Capability: This kind of hose is made of Inner Tube (Nylon), Reinforcement (High Pressure Synthetic Fiber), and Cover (High Flexibility Nylon or Thermoplastic). It is Light weight, Flexibility, and the inner tube is very smooth. With a few loss of pressure, the hose resistance of the Medium flowing is small, and it also owns a fine performance or Anti-chemical and Impulse.

Applicatoin: Automobile, Enginnering Machinery, Lathe , Agriculture Machine, Mining, Spurting the Oil Paint, Avigation & Spaceflight, Cooling and other Hydraulic Control System



SAE 100 R8 / DIN EN855 R8

Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	kg/m
3/16	4.8	13.1	34.5	5000	137.9	20000	38	0.115
1/4	6.4	15.9	34.5	5000	137.9	20000	51	0.176
3/8	9.5	19.4	27.6	4000	110.3	16000	64	0.220
1/2	12.7	22.7	24.1	3000	96.5	14000	102	0.283

SAE 100 R7 / DIN EN855 R7

Hose ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
inch	mm	mm	Mpa	Psi	Mpa	Psi	mm	kg/m
3/8	9.5	20.3	27.5	4000	110.3	16000	130	0.037
1/2	12.7	23.8	27.5	4000	110.3	16000	180	0.068
5/8	15.9	27.4	27.5	4000	110.3	16000	200	0.085
3/4	19.0	30.7	27.5	4000	110.3	16000	240	0.103
1	25.4	38.0	27.5	4000	110.3	16000	300	0.141
1-1/4	31.8	47.0	20.7	3000	82.7	12000	420	0.210
1-1/2	38.1	53.5	17.2	2500	68.9	10000	500	0.287
2	50.8	66.7	17.2	2500	68.9	10000	630	0.542