



SAE J517 100 R1AT/A

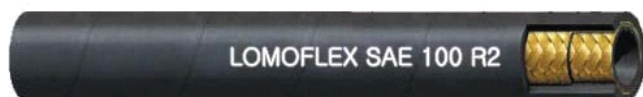
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber,a single steel wire braid reinforcement,and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D			W. P		P.P		B.P		min B.R		W.T
							A		AT									
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.6	5.4	8.9	10.1	11.9	13.5	12.5	21	3045	42	6090	84	12180	3.54	90	0.2
6.3	1/4"	-04	6.2	7	10.6	11.7	15.1	16.7	14.1	19.2	2780	38.5	5580	77	11165	3.94	100	0.25
8	5/16"	-05	7.7	8.5	12.1	13.3	16.7	18.3	15.7	17.5	2540	35	5075	70	10150	4.53	115	0.31
10	3/8"	-06	9.3	10.1	14.5	15.7	19	20.6	18.1	15.7	2280	31.5	4570	63	9135	4.92	125	0.36
13	1/2"	-08	12.3	13.5	17.5	19	22.2	23.8	21.5	14	2030	28	4060	56	8120	7.09	180	0.45
16	5/8"	-10	15.5	16.7	20.6	22.2	25.4	27	24.7	10.5	1520	21	3045	42	6090	8.07	205	0.52
19	3/4"	-12	18.6	19.8	24.6	26.2	29.4	31	28.6	8.7	1260	17.5	2540	35	5075	9.45	240	0.65
25	1"	-16	25	26.4	32.5	34.1	36.9	39.3	36.6	7	1015	14	2030	28	4060	11.8	300	0.91
32	1.1/4"	-20	31.4	33	39.3	41.7	44.4	47.6	44.8	4.3	620	8.7	1260	17.5	2540	16.5	420	1.3
38	1.1/2"	-24	37.7	39.3	45.6	48	50.8	54	52	3.5	510	7	1015	14	2030	19.7	500	1.7
51	2"	-32	50.4	52	58.7	61.9	65.1	68.3	65.9	2.6	380	5.2	750	10.5	1520	24.8	630	2



SAE J517 100 R2AT/A

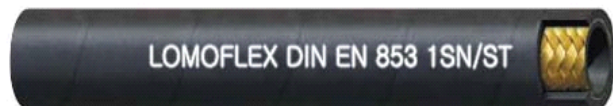
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber,two braids of steel wire reinforcement,and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D			W.P		P.P		B.P		min B.R		W.T
							A		AT									
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.6	5.4	10.6	11.7	15.1	16.7	14.1	35	5075	70	10150	140	20300	3.54	90	0.32
6.3	1/4"	-04	6.2	7	12.1	13.3	16.7	18.3	15.7	35	5075	70	10150	140	20300	3.94	100	0.36
8	5/16"	-05	7.7	8.5	13.7	14.9	18.3	19.8	17.3	29.7	4310	59.5	8630	119	17255	4.53	115	0.45
10	3/8"	-06	9.3	10.1	16.1	17.3	20.6	22.2	19.7	28	4060	56	8120	112	16240	4.92	125	0.54
13	1/2"	-08	12.3	13.5	19	20.6	23.8	25.4	23.1	24.5	3550	49	7110	98	14210	7.09	180	0.68
16	5/8"	-10	15.5	16.7	22.2	23.8	27	28.6	26.3	19.2	2780	38.5	5580	77	11165	8.07	205	0.8
19	3/4"	-12	18.6	19.8	26.2	27.8	31	32.5	30.2	15.7	2280	31.5	4570	63	9135	9.45	240	0.94
25	1"	-16	25	26.4	34.1	35.7	38.5	40.9	38.9	14	2030	28	4060	56	8120	11.8	300	1.35
32	1.1/4"	-20	31.4	33	43.2	45.6	49.2	52.4	49.6	11.3	1640	22.7	3290	45.5	6600	16.5	420	2.15
38	1.1/2"	-24	37.7	39.3	49.6	52	55.6	58.7	56	8.7	1260	17.5	2540	35	5075	19.7	500	2.65
51	2"	-32	50.4	52	62.3	64.7	68.3	71.4	68.6	7.8	1130	15.7	2280	31.5	4570	24.8	630	3.42



DIN EN 853 1SN/ST

Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a single steel wire braid reinforcement, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D			W.P		P.P		B.P		min B.R		W.T
							1ST		1SN									
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.6	5.4	9	10	11.9	13.5	12.5	25	3625	50	7250	100	14500	3.54	90	0.2
6.3	1/4"	-04	6.2	7	10.6	11.6	15.1	16.7	14.1	22.5	3260	45	6525	90	13050	3.94	100	0.25
8	5/16"	-05	7.7	8.5	12.1	13.3	16.7	18.3	15.7	21.5	3120	43	6235	85	12325	4.53	115	0.31
10	3/8"	-06	9.3	10.1	14.5	15.7	19	20.6	18.1	18	2610	36	5220	72	10440	5.12	130	0.36
13	1/2"	-08	12.3	13.5	17.5	19.1	22.2	23.8	21.4	16	2320	32	4640	64	9280	7.09	180	0.45
16	5/8"	-10	15.5	16.7	20.6	22.2	25.4	27	24.5	13	1885	26	3770	52	7540	7.87	200	0.52
19	3/4"	-12	18.6	19.8	24.6	26.2	29.4	31	28.5	10.5	1520	21	3045	42	6090	9.45	240	0.65
25	1"	-16	25	26.4	32.5	34.1	37.1	39.1	36.6	8.8	1280	17.5	2540	35	5075	11.8	300	0.91
32	1.1/4"	-20	31.4	33	39.3	41.7	44.4	47.6	44.8	6.3	910	15	2175	25	3625	16.5	420	1.3
38	1.1/2"	-24	37.7	39.3	45.6	48	50.8	54	52.1	5	725	10	1450	20	2900	19.7	500	1.7
51	2"	-32	50.4	52	58.7	61.7	65.1	68.3	65.5	4	580	8	1160	16	2320	24.8	630	2



DIN EN 853 2SN/ST

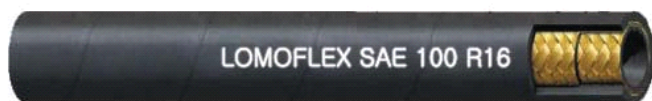
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, two braids of steel wire reinforcement, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D			W.P		P.P		B.P		min B.R		W.T
							2ST		2SN									
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.6	5.4	10.6	11.6	15.1	16.7	14.1	41.5	6020	83	12035	165	23295	3.54	90	0.32
6.3	1/4"	-04	6.2	7	12.1	13.3	16.7	18.3	15.7	40	5800	80	11600	160	23200	3.94	100	0.36
8	5/16"	-05	7.7	8.5	13.7	14.9	18.3	19.9	17.3	35	5075	70	10150	140	20300	4.53	115	0.45
10	3/8"	-06	9.3	10.1	16.1	17.3	20.6	22.2	19.7	33	4785	66	9570	132	19140	5.12	130	0.54
13	1/2"	-08	12.3	13.5	19	20.6	23.8	25.4	23	27.5	3990	55	7975	110	15950	7.09	180	0.68
16	5/8"	-10	15.5	16.7	22.2	23.8	27	28.6	26.2	25	3625	50	7250	100	14500	7.87	200	0.8
19	3/4"	-12	18.6	19.8	26.2	27.8	31	32.6	30.1	21.5	3120	43	6235	85	12325	9.45	240	0.94
25	1"	-16	25	26.4	34.1	35.7	38.5	40.9	38.9	16.5	2390	32.5	4710	65	9425	11.8	300	1.35
32	1.1/4"	-20	31.4	33	43.3	45.7	49.2	52.4	49.5	12.5	1810	25	3625	50	7250	16.5	420	2.15
38	1.1/2"	-24	37.7	39.3	49.6	52	55.6	58.8	55.9	9	1305	18	2310	36	5220	19.7	500	2.65
51	2"	-32	50.4	52	62.3	64.7	68.2	71.4	68.6	8	1160	16	2320	32	4640	24.8	630	3.42



SAE J517 100 R16

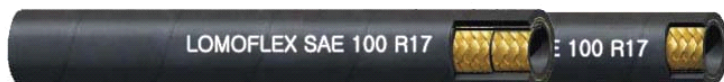
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, steel wire reinforcement according to hose design (one or two braids), and an oil and weather resistant synthetic rubber cover. A ply or braid of suitable material may be used over the inner tube and/or over the wire reinforcement to anchor the synthetic rubber to the wire. .

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C ~ +121°C.

SIZE		SAE	I.D		W.D	O.D	M.D		W.P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Max	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
6.3	1/4"	-04	6.2	7	12.3	14.5	0.8	1.5	35	5075	70	10150	140	20300	1.97	50	0.3
8	5/16"	-05	7.7	8.5	13.3	15.7	0.8	1.5	29.7	4305	59.5	8625	119	17255	2.17	55	0.34
10	3/8"	-06	9.3	10.1	15.9	18.8	0.8	1.5	28	4060	56	8120	112	16240	2.56	65	0.42
13	1/2"	-08	12.3	13.5	19	22	0.8	1.5	24.5	3550	49	7105	98	14210	3.54	90	0.54
16	5/8"	-10	15.5	16.7	22.5	25.4	0.8	1.5	19.2	2780	38.5	5580	77	11165	3.94	100	0.68
19	3/4"	-12	18.6	19.8	26.3	29	0.8	1.5	15.7	2275	31.5	4565	63	9135	4.72	120	0.8
25	1"	-16	25	26.4	34	36.6	0.8	1.5	14	2030	28	4060	56	8120	5.91	150	1.15
32	1.1/4"	-20	31.4	33	41.9	44.3	1	2	11.3	1635	22.7	3290	45.5	6595	8.27	210	1.83



SAE J517 100 R17

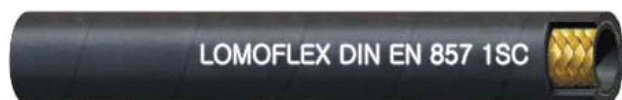
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, steel wire reinforcement according to hose design (one or two braids), and an oil and weather resistant synthetic rubber cover. A ply or braid of suitable material may be used over the inner tube and/or over the wire reinforcement to anchor the synthetic rubber to the wire.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C ~ +121°C.

SIZE		SAE	I.D		W.D	O.D	W.P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
6.3	1/4"	-04	6.2	7	11	13.2	21	3045	42	6090	84	12180	1.97	50	0.17
8	5/16"	-05	7.7	8.5	13	15	21	3045	42	6090	84	12180	2.17	55	0.21
10	3/8"	-06	9.3	10.1	15	17	21	3045	42	6090	84	12180	2.56	65	0.25
13	1/2"	-08	12.3	13.5	18.8	21.1	21	3045	42	6090	84	12180	3.54	90	0.47
16	5/8"	-10	15.5	16.7	23.6	25.9	21	3045	42	6090	84	12180	3.94	105	0.59
19	3/4"	-12	18.6	19.8	27.7	30.3	21	3045	42	6090	84	12180	4.72	125	0.75
25	1"	-16	25	26.4	35.6	38.6	21	3045	42	6090	84	12180	5.91	150	1.46



DIN EN 857 1SC

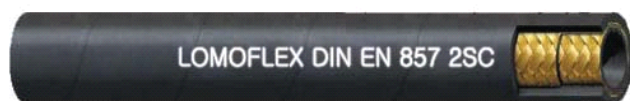
Construction:

This hose shall consists of an inner tube of oil resistant synthetic rubber, a single steel wire braid reinforcement, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D	W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
6.3	1/4"	-04	6.1	6.9	9.6	10.8	13.5	22.5	3260	45	6525	90	13050	2.95	75	0.2
8	5/16"	-05	7.7	8.5	10.9	12.1	14.5	21.5	3120	43	6235	86	12470	3.35	85	0.15
10	3/8"	-06	9.3	10.1	12.7	14.5	16.9	18	2610	36	5220	72	10440	3.54	90	0.19
12.5	1/2"	-08	12.3	13.5	15.9	18.1	20.4	16	2320	32	4640	64	9280	5.12	130	0.23
16	5/8"	-10	15.5	16.7	19.8	21	23	13	1885	26	3770	52	7540	5.91	150	0.29
19	3/4"	-12	18.6	19.8	23.2	24.4	26.7	10.5	1520	21	3045	42	6090	7.09	180	0.34
25	1"	-16	25	26.4	30.7	31.9	34.9	8.8	1280	17.6	2550	35.2	5100	9.06	230	0.49



DIN EN 857 2SC

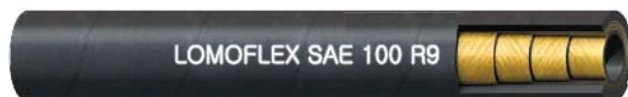
Construction:

This hose shall consists of an inner tube of oil resistant synthetic rubber, two braids of steel wire reinforcement, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D	W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
6.3	1/4"	-04	6.1	6.9	10.6	11.7	14.2	40	5800	80	11600	160	23200	2.95	75	0.3
8	5/16"	-05	7.7	8.5	12.1	13.3	16	35	5075	70	10150	140	20300	3.35	85	0.34
10	3/8"	-06	9.3	10.1	14.4	15.6	18.3	33	4785	66	9570	132	19140	3.54	90	0.42
12.5	1/2"	-08	12.3	13.5	17.5	19.1	21.5	27.5	3990	55	7975	110	15950	5.12	130	0.54
16	5/8"	-10	15.5	16.7	20.5	22.3	24.7	25	3625	50	7250	100	14500	6.69	170	0.68
19	3/4"	-12	18.6	19.8	24.6	26.4	28.6	21.5	3120	43	6235	86	12470	7.87	200	0.8
25	1"	-16	25	26.4	32.5	34.3	36.6	16.5	2390	33	4785	66	9570	9.84	250	1.15



SAE J517 100 R9

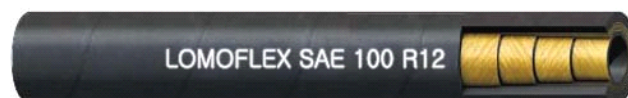
Construction:

This hose shall consists of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D		W. P		P.P		B.P		Min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	A 型	AT 型	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
10	3/8"	-06	9.3	10.1	16.9	18.0	20.6	21.1	31.5	4570	63	9135	126	18270	4.92	125	0.70
13	1/2"	-08	12.3	13.5	19.4	21.0	23.8	24.3	28	4060	56	8120	112	16240	7.09	180	0.83
19	3/4"	-12	18.6	19.8	26.6	28.2	30.6	31.9	21	3045	42	6090	84	12180	9.45	240	1.30
25	1"	-16	25.0	26.4	34.5	36.1	38.5	40.5	21	3045	42	6090	84	12180	11.81	300	1.70
32	1.1/4"	-20	31.4	33.0	43.3	45.6	49.2	50.7	17.5	2540	35	5075	70	10150	16.54	420	3.08
38	1.1/2"	-24	37.7	39.3	49.6	52.0	55.6		14	2030	28	4060	56	8120	19.69	500	4.30
51	1"	-32	50.4	52.0	63.9	66.2	69.9		14	2030	28	4060	56	8120	25.98	660	5.63



SAE J517 100 R12

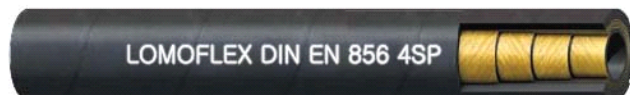
Construction:

This hose shall consists of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+121°C.

SIZE		SAE	I.D		W.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
10	3/8"	-06	9.3	10.1	16.6	17.8	19.5	21	28	4060	56	8120	112	16240	4.92	125	0.7
13	1/2"	-08	12.3	13.5	19.9	21.5	23	24.6	28	4060	56	8120	112	16240	7.09	180	0.83
16	5/8"	-10	15.5	16.7	23.8	25.4	26.6	28.2	28	4060	56	8120	112	16240	7.87	200	1.12
19	3/4"	-12	18.6	19.8	26.9	28.7	29.9	31.7	28	4060	56	8120	112	16240	9.45	240	1.43
25	1"	-16	25	26.4	34.1	36	36.8	39.4	28	4060	56	8120	112	16240	11.81	300	2
32	1.1/4"	-20	31.4	33	42.7	45.1	45.4	48.6	21	3045	42	6090	84	12180	16.54	420	2.8
38	1.1/2"	-24	37.7	39.3	49.2	51.6	51.9	55	17.5	2540	35	5075	70	10150	19.69	500	3.4
51	1"	-32	50.8	52	62.5	64.8	65.1	68.3	17.5	2540	35	5075	70	10150	25.2	640	4.25



DIN EN 856 4SP

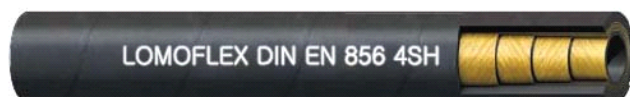
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
6.3	1/4"	-04	6.2	7	14.1	15.3	17.1	18.7	45	6525	90	13050	180	26100	5.91	150	0.64
10	3/8"	-06	9.3	10.1	16.9	18.1	20.6	22.2	44.5	6450	89	12905	178	25810	7.09	180	0.75
13	1/2"	-08	12.3	13.5	19.4	21	23.8	25.4	41.5	6020	83	12035	166	24070	9.06	230	0.89
16	5/8"	-10	15.5	16.7	23	24.6	27.4	29	35	5075	70	10150	140	20300	9.84	250	1.1
19	3/4"	-12	18.6	19.8	27.4	29	31.4	33	35	5075	70	10150	140	20300	11.81	300	1.5
25	1"	-16	25	26.4	34.5	36.1	38.5	40.9	28	4060	56	8120	112	16240	13.39	340	2
32	1.1/4"	-20	31.4	33	45	47	49.2	52.4	21	3045	42	6090	84	12180	18.11	460	3
38	1.1/2"	-24	37.7	39.3	51.4	53.4	55.6	58.8	18.5	2680	37	5365	74	10730	22.05	560	3.4
51	2"	-32	50.4	52	64.3	66.3	68.2	71.4	16.5	2390	33	4785	66	9570	25.98	660	4.35



DIN EN 856 4SH

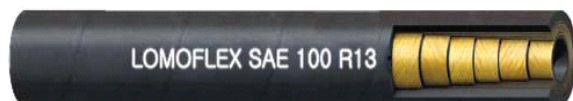
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		W.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
19	3/4"	-12	18.6	19.8	27.6	29.2	31.4	33	42	6090	84	12180	168	24360	11.02	280	1.7
25	1"	-16	25	26.4	34.4	36	37.5	39.9	38	5510	76	11020	152	22040	13.39	340	2.5
32	1.1/4"	-20	31.4	33	40.9	42.9	43.9	47.1	32.5	4710	65	9425	130	18850	18.11	460	3
38	1.1/2"	-24	37.7	39.3	47.8	49.8	51.9	55.1	29	4205	58	8410	116	16820	22.05	560	3.6
51	2"	-32	50.4	52	62.2	64.2	66.5	69.7	25	3625	50	7250	100	14500	27.56	700	5



SAE J517 100 R13

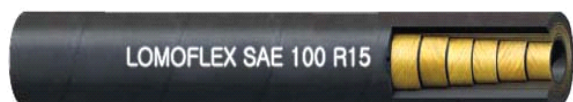
Construction:

This hose shall consists of an inner tube of oil resistant synthetic rubber, multiple spiral plies of heavy steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+121°C.

SIZE		SAE	I.D		W.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
19	3/4"	-12	18.6	19.8	28.2	29.8	31	33.2	35	5075	70	10150	140	20300	9.45	240	2.1
25	1"	-16	25	26.4	34.9	36.4	37.6	39.8	35	5075	70	10150	140	20300	11.81	300	2.88
32	1.1/4"	-20	31.4	33	45.6	48	48.3	51.3	35	5075	70	10150	140	20300	16.54	420	4.2
38	1.1/2"	-24	37.7	39.3	53.1	55.5	55.8	58.8	35	5075	70	10150	140	20300	19.69	500	5
51	1"	-32	50.4	52	66.9	69.3	69.5	72.7	35	5075	70	10150	140	20300	25.2	640	7



SAE J517 100 R15

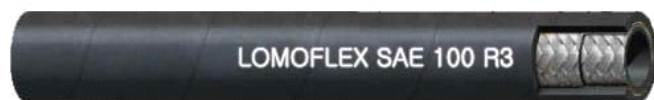
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, multiple spiral plies of heavy steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover. A ply or braid of suitable material may be used over or within the inner tube and/or over the wire reinforcement to anchor the synthetic rubber to the wire.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C- +121°C.

SIZE		SAE	I.D		W.D	O.D	W.P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
10	3/8"	-06	9.3	10.1	20.3	23.3	42	6090	84	12180	168	24360	5.91	150	0.8
13	1/2"	-08	12.3	13.5	24	26.8	42	6090	84	12180	168	24360	7.87	200	0.95
19	3/4"	-12	18.6	19.8	32.9	36.1	42	6090	84	12180	168	24360	10.4	265	1.85
25	1"	-16	25	26.4	38.9	42.9	42	6090	84	12180	168	24360	13	330	2.9
32	1.1/4"	-20	31.4	33	48.4	51.5	42	6090	84	12180	168	24360	17.52	445	4.2
38	1.1/2"	-24	37.7	39.3	56.3	59.6	42	6090	84	12180	168	24360	20.87	530	5.6



SAE J517 100 R3

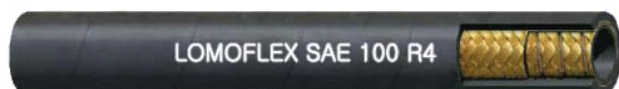
Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber,two braids of suitable fiber,and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.5	5.4	11.9	13.5	10.5	1520	21	3050	42	6090	2.95	75	0.16
6.3	1/4"	-04	6.1	7	13.5	15.1	8.7	1260	17.5	2540	35	5075	2.95	75	0.18
8	5/16"	-05	7.6	8.5	16.7	18.3	8.4	1220	16.8	2440	33.5	4860	3.94	100	0.27
10	3/8"	-06	9.2	10.1	18.3	19.8	7.8	1130	15.7	2280	31.5	4570	3.94	100	0.31
13	1/2"	-08	12.4	13.5	23	24.6	7	1015	14	2030	28	4060	4.92	125	0.45
16	5/8"	-10	15.6	16.7	26.2	27.8	6.1	885	12.2	1770	24.5	3550	5.51	140	0.53
19	3/4"	-12	18.7	19.8	31	32.5	5.2	750	10.5	1520	21	3045	5.91	150	0.72
25	1"	-16	25.1	26.2	36.9	39.3	3.9	570	7.8	1130	15.7	2280	8.07	205	0.9
32	1.1/4"	-20	31.4	32.9	42.9	46	2.6	380	5.2	750	10.5	1520	9.84	250	1.07



SAE J517 100 R4

Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber,two braids of suitable fiber,and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

SIZE		SAE	I.D		O.D	W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
19	3/4	-12	18.2	19.8	34.9	2.1	305	4.2	610	8.4	1210	4.92	125	0.92
25	1	-16	24.6	26.2	41.3	1.7	250	3.5	510	7	1015	5.91	150	1.1
32	1 1/4	-20	30.6	33	50.8	1.4	200	2.8	410	5.6	810	7.87	200	1.3
38	1 1/2	-24	36.9	39.3	57.2	1.05	150	2.1	305	4.2	610	10.04	255	1.8
51	2	-32	49.2	52.4	69.9	0.7	100	1.4	200	2.8	410	11.81	300	2.23
63	2 1/2	-40	61.9	65.1	82.6	0.4	60	0.85	120	1.7	250	13.98	355	3.23
76	3	-48	74.6	77.8	95.3	0.4	60	0.8	120	1.6	230	18.11	460	4.25
89	3 1/2	-56	87.3	90.5	108	0.3	40	0.6	90	1.25	180	20.87	530	5.05
102	4	-64	100	103	121	0.25	40	0.5	70	1	145	24.02	610	5.6



SAE J517 100 R5

Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a single wire braid reinforcement and a fiber braided cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C

SIZE		SAE	I.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16	-04	4.8	5.5	12.7	13.7	21	3045	42	6090	84	12180	2.95	75	0.24
6.3	1/4	-05	6.4	7.2	14.3	15.3	21	3045	42	6090	84	12180	3.35	85	0.28
8	5/16	-06	7.9	8.7	16.7	17.6	15.7	2270	31.5	4570	63	9135	3.94	100	0.35
11	13/32	-08	10.3	11.1	18.9	20	14	2030	28	4060	56	8120	4.53	115	0.38
13	1/2	-10	12.7	13.7	22.8	24	12.2	1770	24.5	3550	49	7105	5.51	140	0.51
16	5/8	-12	15.9	17	26.8	28	10.5	1520	21	3045	42	6090	6.5	165	0.68
22	7/8	-16	22.2	23.3	30.6	32.2	5.6	810	11.2	1620	22.4	3250	7.28	185	0.7
29	1 1/8	-20	28.6	29.8	37.3	38.9	4.3	620	8.7	1260	17.5	2540	9.06	230	0.8
35	1 3/8	-24	34.9	36.1	43.7	45.2	3.5	510	7	1015	14	2030	10.43	265	0.93
46	1.13/1 6	-32	46	47.2	55.2	57.6	2.4	350	4.9	700	9.8	1420	13.19	335	1.32
60	2 3/8	-40	60.3	61.9	71.8	74.2	2.4	350	4.9	700	9.8	1420	24.02	610	2.96
76	3	-48	76.24	77.8	89.3	91.7	1.4	200	2.8	410	5.6	810	33.07	840	4.1



SAE J517 100 R6

Construction:

This hose shall consist of an inner tube of oil resistant synthetic rubber,one braid of suitable fiber,and an oil and weather resistant synthetic rubber cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C

SIZE		SAE	I.D		O.D		W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Min	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.5	5.4	10.3	11.9	3.5	510	7	1015	14	2030	1.97	50	1.1
6.3	1/4"	-04	6.1	7	11.9	13.5	2.8	410	5.6	810	11.2	1620	2.56	65	0.13
8	5/16"	-05	7.6	8.5	13.5	15.1	2.8	410	5.6	810	11.2	1620	2.95	75	0.15
10	3/8"	-06	9.2	10.1	15.1	16.7	2.8	410	5.6	810	11.2	1620	2.95	75	0.18
13	1/2"	-08	12.4	13.5	19	20.6	2.8	410	5.6	810	11.2	1620	3.94	100	0.26
16	5/8"	-10	15.6	16.7	22.2	23.8	2.4	350	4.9	710	9.8	1420	4.92	125	0.31
19	3/4"	-12	18.7	19.8	25.4	27.8	2.1	310	4.2	610	8.4	1220	5.91	150	0.4



SAE J517 100 R7

Construction:

This hose shall consists of a thermoplastic inner tube resistant to hydraulic fluids with suitable synthetic fiber reinforcement, and a hydraulic fluid and weather resistant thermoplastic cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+93°C.

SIZE		SAE	I.D		O.D	W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.6	5.4	11.4	21	3045	42	6090	84	12180	3.54	90	0.07
6.3	1/4"	-04	6.2	7	13.7	19.2	2780	38.5	5580	77	11165	3.94	100	0.09
8	5/16"	-05	7.7	8.5	15.6	17.5	2535	35	5075	70	10150	4.53	115	0.13
10	3/8"	-06	9.3	10.3	18.4	15.7	2275	31.5	4565	63	9135	4.92	125	0.16
13	1/2"	-08	12.3	13.5	22.5	14	2030	28	4060	56	8120	7.09	180	0.22
16	5/8"	-10	15.5	16.7	25.8	10.5	1520	21	3045	42	6090	8.07	205	0.28
19	3/4"	-12	18.6	19.8	28.6	8.7	1260	17.5	2535	35	5075	9.45	240	0.33
25	1	-16	25	26.4	36.7	7	1015	14	2030	28	4060	11.81	300	0.4



SAE J517 100 R8

Construction:

This hose shall consists of a thermoplastic inner tube resistant to hydraulic fluids with suitable synthetic fiber reinforcement, and a hydraulic fluid and weather resistant thermoplastic cover.

Applications:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+93°C.

SIZE		SAE	I.D		O.D	W. P		P.P		B.P		min B.R		W.T
mm	inch	Dash	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-03	4.6	5.4	14.6	35	5075	70	10150	140	20300	3.54	90	0.09
6.3	1/4"	-04	6.2	7	16.8	35	5075	70	10150	140	20300	3.94	100	0.1
10	3/8"	-06	9.3	10.3	20.3	28	4060	56	8120	112	16240	4.92	125	0.18
13	1/2"	-08	12.3	13.5	24.6	24.5	3550	49	7105	98	14210	7.09	180	0.22
16	5/8"	-10	15.5	16.7	29.8	19.2	2780	38.5	5580	77	11165	8.07	205	0.31
19	3/4"	-12	18.6	19.8	33	15.7	2275	31.5	4565	63	9135	9.45	240	0.36
25	1	-16	25	26.4	38.6	14	2030	28	4060	56	8120	11.81	300	0.51



TEFLON HOSE(S.S. WIRE BRAIDED SMOOTH)

I.D		O.D	THICKNESS	W.P	B.P	W	L
INCH	MM	MM	MM	BAR	BAR	G/M	M/ROL
1/8"	3.2	6.2	1	256	625	70	≥50
3/16"	4.8	7.7	0.85	240	570	90	≥50
1/4"	6	8.8	0.85	232	552	110	≥50
5/16"	7.9	10.8	0.85	194	540	135	≥50
3/8"	9.5	12.4	0.85	162	450	165	≥50
1/2"	12.7	15.9	1	139	425	230	≥50
5/8"	15.9	19.3	1	101	385	276	≥50
3/4"	19	22.3	1.2	92	315	405	≥40
7/8"	22.2	25.8	1.2	80	240	460	≥40
1"	25.4	29.8	1.5	72	200	510	≥20

Tube:PTFE hose,for high and low temperature used,anti-corrosive,non-stick.

Cover:SUS304 stainless steel braided,higher the pressure resistance,all kinds of couplings can be available.

APPLICATIONS:the hydraulic hose,pneumatic hose and steam hose of the industries of rubber,plastic,clothing,auto,engine bed,shipbuilding,electrical machinery,diesel alternate liquid,gas,and high corrosive medium compare to other hose,also have the longer life.

TEMPERATURE RANGE::constant use -50℃~+210℃, instant sue-70℃~+260℃



TEFLON HOSE(S.S. WIRE BRAIDED CORRUGATED)

I.D		O.D	THICKNESS	W.P	B.P	MIN. B.R	LENGTH
INCH	MM	MM	MM	BAR	BAR	MM	M/ROL
1/4"	2.75~6.55	9.85~10.55	1	151	450	32	≥10
5/16"	7.75~8.55	12.25~13.15	1	126	370	36	≥10
3/8"	9.14~10.25	15.85~16.55	1	105	324	59	≥10
1/2"	12.45~13.25	18.45~19.35	1	90	270	82	≥10
5/8"	15.35~16.25	24.85~25.55	1.5	72	255	95	≥10
3/4"	18.6~19.85	28.25~29.55	1.5	60	231	113	≥10
7/8"	21.84~22.86	32.25~33.55	2	52	189	145	≥10
1"	24.89~26.16	35.55~36.85	2	47	144	189	≥10

Tube:PTFE hose,for high and low temperature used,anti-corrosive,non-stick.

Cover:SUS304 stainless steel braided,higher the pressure resistance,all kinds of couplings can be available.

APPLICATIONS:the hydraulic hose,pneumatic hose and steam hose of the industries of rubber,plastic,clothing,auto,engine bed,shipbuilding,electrical machinery,diesel alternate liquid,gas,and high corrosive medium compare to other hose,also have the longer life.

Temp Range:constant use -50℃~+210℃, instant sue-70℃~+260℃

Annular Stainless Steel Flexible Hose

Helix Stainless Steel Flexible Hose

Nominal Dia(mm) (in)	Inner Dia (mm)	Outer Dia.(mm)		Min Bend Radius(mm)		Pressure Applicable(MPa)		Weight(kg/m)	
		Main Body	Single Braid	Static State	Dynamic State	Single Braid	Double Braid	Main Body	Single Braid
1/2"	14	20	22	65	120	7.5	12.5	0.21	0.4
5/8"	16	23	25	80	150	6.4	10	0.26	0.5
3/4"	20	28	30	100	180	5	8	0.35	0.6
1"	25	35	37	120	280	4	7.5	0.47	0.85
1-1/4"	32	43	45	140	340	3.5	6.4	0.51	0.96
1-1/2"	40	51	53	180	450	3	5.6	0.7	1.18
2"	50	62	64	220	550	2.5	4	0.85	1.75
2-1/2"	65	79	82	280	650	2	4	1.41	2.7
3"	80	97	100	350	800	2	3.2	1.62	3.12
4"	100	122	125	400	1000	1.6	2.5	2	3.7
5"	125	151	155	500	1200	1.5	2.5	2.8	5
6"	150	180	184	600	1500	1.5	2.5	3.8	6.6
7"	175	210	215	700	1750	1.2	2	5.8	9.7
8"	200	240	245	800	2000	1.2	2	6.7	12
10"	250	298	303	1000	2200	1	1.6	10.6	18.1
12"	300	360	365	1200	2500	1	1.6	17.1	31.4
14"	350	410	415	1400	3000	0.8	1.2	20	36.3
16"	400	460	465	1600	3500	0.6	1	22.8	41.1



APPLICATIONS: For delivery of a variety of flexible media original.

CHARACTERISTICS: corrosion resistance, high temperature, low temperature, light weight, flexibility
Temperature Range: -196 °C ~ +420 °C