



HYDRAULIC HOSE

SUNHOSE CHINA



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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
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-3	4.6	5.4	8.9	10.1	11.9	13.5	12.5	21	3045	42	6090	84	12180	3.54	90	0.20
6.3	1/4"	-4	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"	-5	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"	-6	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"	-8	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	11.81	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	16.54	420	1.30
38	1-1/2"	-24	37.7	39.3	45.6	48	50.8	54	52	3.5	510	7	1015	14	2030	19.69	500	1.70
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	24.80	630	2.00

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
mm	inch	Dash	Min	Max	Min	Max	Min	Max	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-3	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"	-4	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"	-5	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"	-6	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"	-8	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	0.80
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	11.81	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	16.54	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	19.69	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	24.80	630	3.42



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		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"	-3	4.5	5.4	11.9	13.5	10.5	1520	21	3050	42	6090	2.95	75	0.16
6.3	1/4"	-4	6.1	7	13.5	15.1	8.7	1260	17.5	2540	35	5075	2.95	75	0.18
8	5/16"	-5	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"	-6	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"	-8	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



CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, a reinforcement consisting of a ply or plies of woven or braided textile fibers with a suitable spiral of body steel wire, and an oil and weather resistant synthetic rubber cover.

APPLICATIONS:

This section covers hose for use in low pressure and vacuum applications 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	1.10
32	1-1/4"	-20	30.6	33	50.8	1.4	200	2.8	410	5.6	810	7.87	200	1.30
38	1-1/2"	-24	36.9	39.3	57.2	1.05	150	2.1	305	4.2	610	10.04	255	1.80
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	107.9	0.3	40	0.6	90	1.25	180	20.87	530	5.05
102	4"	-64	100	103.2	120.7	0.25	40	0.5	70	1	145	24.02	610	5.60



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		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"	-4	4.8	5.5	12.7	13.7	21	3045	42	6090	84	12180	2.95	75	0.24
6.3	1/4"	-5	6.4	7.2	14.3	15.3	21	3045	42	6090	84	12180	3.35	85	0.28
8	5/16"	-6	7.9	8.7	16.7	17.6	15.7	2270	31.5	4570	63	9135	3.94	100	0.35
11	13/32"	-8	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	1-13/16"	-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



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		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"	-3	4.5	5.4	10.3	11.9	3.5	510	7	1015	14	2030	1.97	50	1.10
6.3	1/4"	-4	6.1	7	11.9	13.5	2.8	410	5.6	810	11.2	1620	2.56	65	0.13
8	5/16"	-5	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"	-6	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"	-8	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	0.40



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"	-3	4.6	5.4	11.4	21	3045	42	6090	84	12180	3.54	90	0.073
6.3	1/4"	-4	6.2	7	13.7	19.2	2780	38.5	5580	77	11165	3.94	100	0.09
8	5/16"	-5	7.7	8.5	15.6	17.5	2535	35	5075	70	10150	4.53	115	0.128
10	3/8"	-6	9.3	10.3	18.4	15.7	2275	31.5	4565	63	9135	4.92	125	0.155
13	1/2"	-8	12.3	13.5	22.5	14	2030	28	4060	56	8120	7.09	180	0.224
16	5/8"	-10	15.5	16.7	25.8	10.5	1520	21	3045	42	6090	8.07	205	0.277
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	0.403



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"	-3	4.6	5.4	14.6	35	5075	70	10150	140	20300	3.54	90	0.086
6.3	1/4"	-4	6.2	7	16.8	35	5075	70	10150	140	20300	3.94	100	0.097
10	3/8"	-6	9.3	10.3	20.3	28	4060	56	8120	112	16240	4.92	125	0.178
13	1/2"	-8	12.3	13.5	24.6	24.5	3550	49	7105	98	14210	7.09	180	0.216
16	5/8"	-10	15.5	16.7	29.8	19.2	2780	38.5	5580	77	11165	8.07	205	0.312
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	0.505

SAE J517 100 R12



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 $-40^{\circ}\text{C} \sim +121^{\circ}\text{C}$.

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"	-6	9.3	10.1	16.6	17.8	19.5	21	28	4060	56	8120	112	16240	4.92	125.00	0.70
13	1/2"	-8	12.3	13.5	19.9	21.5	23	24.6	28	4060	56	8120	112	16240	7.09	180.00	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	200.00	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	240.00	1.43
25	1"	-16	25	26.4	34.1	36	36.8	39.4	28	4060	56	8120	112	16240	11.81	300.00	2.00
32	1-1/4"	-20	31.4	33	42.7	45.1	45.4	48.6	21	3045	42	6090	84	12180	16.54	420.00	2.80
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	500.00	3.40
51	2"	-32	50.8	52	62.5	64.8	65.1	68.3	17.5	2540	35	5075	70	10150	25.2	640.00	4.25

SAE J517 100 R13



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.

APPLICATION:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of $-40^{\circ}\text{C} \sim +121^{\circ}\text{C}$.

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	31.0	33.2	35	5075	70	10150	140	20300	9.45	240.00	2.10
25	1"	-16	25.0	26.4	34.9	36.4	37.6	39.8	35	5075	70	10150	140	20300	11.81	300.00	2.88
32	1-1/4"	-20	31.4	33.0	45.6	48.0	48.3	51.3	35	5075	70	10150	140	20300	16.54	420.00	4.20
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	500.00	5.00
51	2"	-32	50.4	52.0	66.9	69.3	69.5	72.7	35	5075	70	10150	140	20300	25.2	640.00	7.00

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"	-4	6.2	7	12.3	14.5	0.8	1.5	35	5075	70	10150	140	20300	1.97	50.00	0.30
8	5/16"	-5	7.7	8.5	13.3	15.7	0.8	1.5	29.7	4305	59.5	8625	119	17255	2.17	55.00	0.34
10	3/8"	-6	9.3	10.1	15.9	18.8	0.8	1.5	28	4060	56	8120	112	16240	2.56	65.00	0.42
13	1/2"	-8	12.3	13.5	19	22	0.8	1.5	24.5	3550	49	7105	98	14210	3.54	90.00	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	100.00	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	120.00	0.80
25	1"	-16	25	26.4	34	36.6	0.8	1.5	14	2030	28	4060	56	8120	5.91	150.00	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	210.00	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"	-4	6.2	7	11	13.2	21	3045	42	6090	84	12180	1.97	50	0.169
8	5/16"	-5	7.7	8.5	13	15	21	3045	42	6090	84	12180	2.17	55	0.21
10	3/8"	-6	9.3	10.1	15	17	21	3045	42	6090	84	12180	2.56	65	0.254
13	1/2"	-8	12.3	13.5	18.8	21.1	21	3045	42	6090	84	12180	3.54	90	0.466
16	5/8"	-10	15.5	16.7	23.6	25.9	21	3045	42	6090	84	12180	3.94	105	0.586
19	3/4"	-12	18.6	19.8	27.7	30.3	21	3045	42	6090	84	12180	4.72	125	0.749
25	1"	-16	25	26.4	35.6	38.6	21	3045	42	6090	84	12180	5.91	150	1.457

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
mm	inch	Dash	Min	Max	Min	Max	1ST	1SN	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-3	4.6	5.4	9	10	11.9	13.5	12.5	25	3625	50	7250	100	14500	3.54	90	0.20
6.3	1/4"	-4	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"	-5	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"	-6	9.3	10.1	14.5	15.7	19	20.6	18.1	18	2610	36	5220	72	10440	5.12	130	0.36
12.5	1/2"	-8	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	11.81	300	0.91
31.5	1-1/4"	-20	31.4	33	39.3	41.7	44.4	47.6	44.8	6.3	910	15	2175	25	3625	16.54	420	1.30
38	1-1/2"	-24	37.7	39.3	48	50.8	54	52.1	52.1	5	725	10	1450	20	2900	19.69	500	1.70
51	2"	-32	50.4	52	58.7	61.7	65.1	68.3	65.5	4	580	8	1160	16	2320	24.80	630	2.00

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
mm	inch	Dash	Min	Max	Min	Max	2ST	2SN	Max	Mpa	Psi	Mpa	Psi	Mpa	Psi	inch	mm	Kg/m
5	3/16"	-3	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"	-4	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"	-5	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"	-6	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
12.5	1/2"	-8	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	0.80
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	11.81	300	1.35
31.5	1-1/4"	-20	31.4	33	43.3	45.7	49.2	52.4	49.5	12.5	1810	25	3625	50	7250	16.54	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	19.69	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	24.80	630	3.42



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 $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$.

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"	-4	6.1	6.9	9.6	10.8	13.5	22.5	3260	45	6525	90	13050	2.95	75	0.20
8	5/16"	-5	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"	-6	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"	-8	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



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 $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$.

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"	-4	6.1	6.9	10.6	11.7	14.2	40	5800	80	11600	160	23200	2.95	75	0.30
8	5/16"	-5	7.7	8.5	12.1	13.3	16	35	5075	70	10150	140	20300	3.35	85	0.34
10	3/8"	-6	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"	-8	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	0.80
25	1"	-16	25	26.4	32.5	34.3	36.6	16.5	2390	33	4785	66	9570	9.84	250	1.15

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"	-4	6.2	7	14.1	15.3	17.1	18.7	45	6525	90	13050	180	26100	5.91	150.00	0.64
10	3/8"	-6	9.3	10.1	16.9	18.1	20.6	22.2	44.5	6450	89	12905	178	25810	7.09	180.00	0.75
12.5	1/2"	-8	12.3	13.5	19.4	21	23.8	25.4	41.5	6020	83	12035	166	24070	9.06	230.00	0.89
16	5/8"	-10	15.5	16.7	23	24.6	27.4	29	35	5075	70	10150	140	20300	9.84	250.00	1.10
19	3/4"	-12	18.6	19.8	27.4	29	31.4	33	35	5075	70	10150	140	20300	11.81	300.00	1.50
25	1"	-16	25	26.4	34.5	36.1	38.5	40.9	28	4060	56	8120	112	16240	13.39	340.00	2.00
31.5	1-1/4"	-20	31.4	33	45	47	49.2	52.4	21	3045	42	6090	84	12180	18.11	460.00	3.00
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	560.00	3.40
51	2"	-32	50.4	52	64.3	66.3	68.2	71.4	16.5	2390	33	4785	66	9570	25.98	660.00	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	280.00	1.7
25	1"	-16	25	26.4	34.4	36	37.5	39.9	38	5510	76	11020	152	22040	13.39	340.00	2.5
31.5	1-1/4"	-20	31.4	33	40.9	42.9	43.9	47.1	32.5	4710	65	9425	130	18850	18.11	460.00	3.0
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	560.00	3.6
51	2"	-32	50.4	52	62.2	64.2	66.5	69.7	25	3625	50	7250	100	14500	27.56	700.00	5.0