

# Hydraulic hose

## SAE 100 R1 AT

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : One high tensile steel wire braid
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period )



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	13.4	225	3265	450	900	100	0.23
8	5/16	7.9	15.0	215	3120	430	850	105	0.27
10	3/8	9.5	17.4	180	2610	360	720	130	0.245
12	1/2	12.7	20.3	160	2320	290	640	180	0.425
16	5/8	15.9	23.7	130	1890	260	520	200	0.510
19	3/4	19.0	27.7	105	1525	210	420	240	0.645
25	1	25.4	35.6	88	1275	175	350	300	0.945
32	1 1/4	31.8	43.0	63	915	150	250	420	1.295
38	1 1/2	38.1	50.4	50	725	100	200	500	10590
51	2	50.8	63.5	40	580	80	160	630	2.120
60	2 3/8	60.3	75.0	25	362	50	100	762	
64	2 1/2	63.5	79.0	25	362	50	100	762	
76	3	76.2	94.4	20	290	40	80	915	
90	3 1/2	90.0	105.5	15	220	30	60	1067	
100	4	101.6	117.0	10	145	20	20	1105	

# Hydraulic hose

## SAE 100 R2 AT

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Two high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period )



DN	ID		OD	WP		TP		Bend Radius	Weight
	mm	inch		mm	mm	bar	psi		
6	1/4	6.4	15.1	400	5800	800	1600	100	0.385
8	5/16	7.9	16.7	350	5100	700	1400	105	0.450
10	3/8	9.5	19.1	330	4800	660	1320	130	0.555
12	1/2	12.7	22.2	276	4000	550	1100	180	0.660
16	5/8	15.9	25.4	250	3600	500	1000	200	0.795
19	3/4	19.0	29.4	215	3100	430	850	240	0.955
25	1	25.4	37.3	165	2400	325	650	300	1.370
32	1 1/4	31.8	48.3	125	1800	250	500	420	2.025
38	1 1/2	38.1	54.7	90	1300	180	360	500	2.750
51	2	50.8	67.7	80	1160	160	320	630	3.480
60	2 3/8	60.3	75.8	70	1015	140	280	762	
64	2 1/2	63.5	82.5	69	1000	135	270	762	
76	3	76.2	96.0	45	650	90	180	915	
90	3 1/2	90.0	107.5	28	400	55	110	1067	
100	4	101.6	118.5	25	365	50	100	1105	

## 1SN-C COMPACT

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : One high tensile steel wire braid
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period ) .  
Impulse tested up to 700,000 cycles



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
12	1/2	12.7	19.0	200	2900	480	800	90	0.35
16	5/8	15.9	22.3	150	2175	360	600	125	0.43
19	3/4	19.0	26.2	125	1810	300	500	150	0.57
25	1	25.4	34.0	110	1595	265	440	200	0.82
31	1 1/4	31.8	44.0	100	1450	240	400	300	1.28

# Hydraulic hose

## 2 SN-C COMPACT

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Two high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period ).  
Impulse tested up to 1,000,000 cycles



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	13.4	450	6530	1100	1800	50	0.29
8	5/16	7.9	15.0	420	6095	1000	1680	65	0.34
10	3/8	9.5	17.4	380	5515	900	1520	80	0.44
12	1/2	12.7	20.6	325	4715	780	1300	100	0.54
16	5/8	15.9	23.7	290	4205	700	1160	140	0.63
19	3/4	19.0	27.7	250	3625	600	1000	180	0.84
25	1	25.4	35.6	190	2755	450	760	220	1.14

## SAE 100 R1 A

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : One braid consisting of hardened & tempered,  
Surface protected steel wires
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period )



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
5	3/16	4.8	12.7	250	3625	500	1000	90	0.210
6	1/4	6.4	15.9	225	3265	450	900	100	0.305
8	5/16	7.9	17.5	215	3120	430	850	115	0.355
10	3/8	9.5	19.8	180	2610	360	720	130	0.435
12	1/2	12.7	23.0	160	2320	320	640	180	0.530
16	5/8	15.9	26.2	130	1885	260	520	200	0.635
19	3/4	19.0	30.2	105	1525	210	420	240	0.790
25	1	25.4	38.1	88	1276	175	350	300	1.135
31	1 1/4	31.8	46.0	63	914	150	250	420	1.480
38	1 1/2	38.1	52.4	50	725	100	200	500	1.790
51	2	50.8	66.7	40	580	80	160	630	2.530

# Hydraulic hose

## SAE 100 R2 A

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Two braids consisting of hardened & tempered ,  
Surface protected steel wires
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period )



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
5	3/16	4.8	15.9	415	6000	830	1650	90	0.380
6	1/4	6.4	17.5	400	5800	800	1600	100	0.465
8	5/16	7.9	19.1	350	5075	700	1400	115	0.540
10	3/8	9.5	21.4	330	4800	660	1320	130	0.650
12	1/2	12.7	24.6	275	4000	550	1100	180	0.780
16	5/8	15.9	27.8	250	3625	500	1000	200	0.920
19	3/4	19.0	31.8	215	3100	430	850	240	1.110
25	1	25.4	39.7	165	2400	325	650	300	1.495
31	1 1/4	31.8	50.8	125	1800	250	500	420	2.275
38	1 1/2	38.1	57.2	90	1300	180	360	500	2.750
51	2	50.8	69.8	80	1160	160	320	630	3.480

## SAE 100 R9 AT

- TUBE** : Oil resistant synthetic rubber
- REINFORCEMENT** : 4 high tensile steel wire spirals
- COVER** : Synthetic rubber, abrasion , ozone & weather resistant
- TEMPERATURE** : -40° C ~ +100° C continuous +125° C intermittent



DN	ID		OD	WP		BP		BR	
	mm	inch		mm	mm	bar	psi	psi	bar
10	3/8	9.5	19.8	310	4500	1240	18000	5.0	127
12	1/2	12.7	23.2	276	4000	1100	16000	7.5	178
19	3/4	19.0	30.4	207	3000	825	12000	9.5	241
25	1	25.4	38.8	207	3000	825	12000	12.0	305
32	1 1/4	31.8	48.5	172	2500	680	10000	16.5	419
38	1 1/2	38.1	57.0	138	2000	550	8000	20.0	508
51	2	50.8	71.2	138	2000	550	8000	26.0	660

# Hydraulic hose

## SAE 100 R15

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Up to 1-1/4" four , 1-1/2" six high tensile steel wire spiral layers
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +125° C



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
10	3/8	9.5	23.3	414	6000	827	1665	153	0.77
12	1/2	12.7	26.8	414	6000	827	1665	203	0.92
19	3/4	19.0	36.1	414	6000	827	1665	267	1.50
25	1	25.4	45.9	414	6000	827	1665	330	2.10
31	1 1/4	31.8	51.5	414	6000	827	1665	445	3.60
38	1 1/2	38.1	59.6	414	6000	827	1665	553	5.10
51	2	50.8	70.9	414	6000	827	1665		

## SAE 100 R16

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Two high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	14.4	345	5000	690	1379	50	0.26
8	5/16	7.9	15.7	293	4250	586	1172	57	0.31
10	3/8	9.5	18.8	276	4000	552	1103	63	0.40
12	1/2	12.7	21.9	241	3500	483	965	68	0.48
16	5/8	15.9	25.4	190	2750	380	758	100	0.55
19	3/4	19.0	28.9	155	2250	310	620	120	0.71
25	1	25.4	36.5	138	2000	276	552	150	1.00

# Hydraulic hose

## SAE 100 R17

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Up to 1/2" one , from 5/8" two high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	12.5	210	3000	420	840	50	0.19
8	5/16	7.9	14.3	210	3000	420	840	55	0.22
10	3/8	9.5	16.5	210	3000	420	840	65	0.27
12	1/2	12.7	19.7	210	3000	420	840	90	0.46
16	5/8	15.9	24.0	210	3000	420	840	105	0.57
19	3/4	19.0	28.0	210	3000	420	840	125	0.78
25	1	25.4	36.2	210	3000	420	840	150	1.40

## 1 SC DIN EN 857

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : One high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period )



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	13.5	225	3260	450	900	75	0.18
8	5/16	7.9	14.5	215	3120	430	860	85	0.21
10	3/8	9.5	16.9	180	2610	360	720	90	0.28
12	1/2	12.7	20.4	160	2320	320	640	130	0.33
16	5/8	15.9	23.0	130	1880	260	520	150	0.41
19	3/4	19.0	26.7	105	1520	210	420	180	0.52
25	1	25.4	34.9	88	1270	176	352	230	0.78

# Hydraulic hose

## 2SC DIN EN 857

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Two high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +100° C ( +125° C for short period )



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	14.2	400	4280	800	1600	75	0.28
8	5/16	7.9	16.0	350	3770	700	1400	85	0.33
10	3/8	9.5	18.3	330	3335	660	1320	90	0.42
12	1/2	12.7	21.5	275	2900	550	1100	130	0.52
16	5/8	15.9	24.7	250	2175	500	1000	170	0.61
19	3/4	19.0	28.6	215	1810	430	860	200	0.79
25	1	25.4	36.6	165	1595	330	660	250	1.10

## 1SN-W G

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : One high tensile steel wire braid
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +150° C



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	13.4	250	3625	500	1000	100	0.230
8	5/16	7.9	15.0	250	3625	500	1000	115	0.270
10	3/8	9.5	17.4	200	2900	400	800	130	0.345
12	1/2	12.7	20.6	200	2900	400	800	180	0.425



# Hydraulic hose

## 2SN-W G

- TUBE** : Inner tube in high quality synthetic rubber compounds
- REINFORCEMENT** : Two high tensile steel wire braids
- COVER** : Abrasion & weather resistant synthetic rubber
- TEMPERATURE** : -40° C ~ +150° C



DN	ID		OD	WP		TP	BP	Bend Radius	Weight
	mm	inch		mm	mm				
6	1/4	6.4	15.0	400	5800	800	1600	100	0.385
8	5/16	7.9	16.6	400	5800	800	1600	115	0.450
10	3/8	9.5	19.0	400	5800	800	1600	130	0.555
12	1/2	12.7	22.2	400	5800	800	1600	180	0.660