SANYEFLEX

河北三业流体科技有限责任公司

HEBEI SANYE FLUID TECHNOLOGY CO., LTD.

RELIABLE HYDRAULIC HOSE MANUFACTURER

CONTENTS

钢丝胶管使用技术说明

STEEL WIRE HOSE USE TECHNICAL SPECIFICATIONS

胶管质量因素:

1、胶管尺寸:胶管内径要适当，管径过小会加大管内介质的流速，使系统发热，降低效率，而且会产生过大的压力，影响整个系统的性能。若胶管采用管夹固定或胶管穿过钢板等间隔物时，也要注意胶管的外径尺寸。

2、工作压力:资料中有关胶管的动态工作压力是指胶管在连续工作时允许的最高压力，按照有关标准规定的液压胶管安全系数，我们推荐的工作压力通常为胶管最低爆破压力值的 1/4。

3、冲击压力和疲劳寿命:胶管的选择是根据液压系统设计的最高压力值确定的，由于液压系统的压力值通常是动态的，有时会出现冲击压力，冲击压力峰值会瞬间高出系统的最高压力值。但系统上一般都有溢流阀，故冲击压力不会严重影响胶管的抗疲劳寿命，对干冲击压力特别频繁的液压系统，建议选用特别耐脉动冲击的胶管产品。

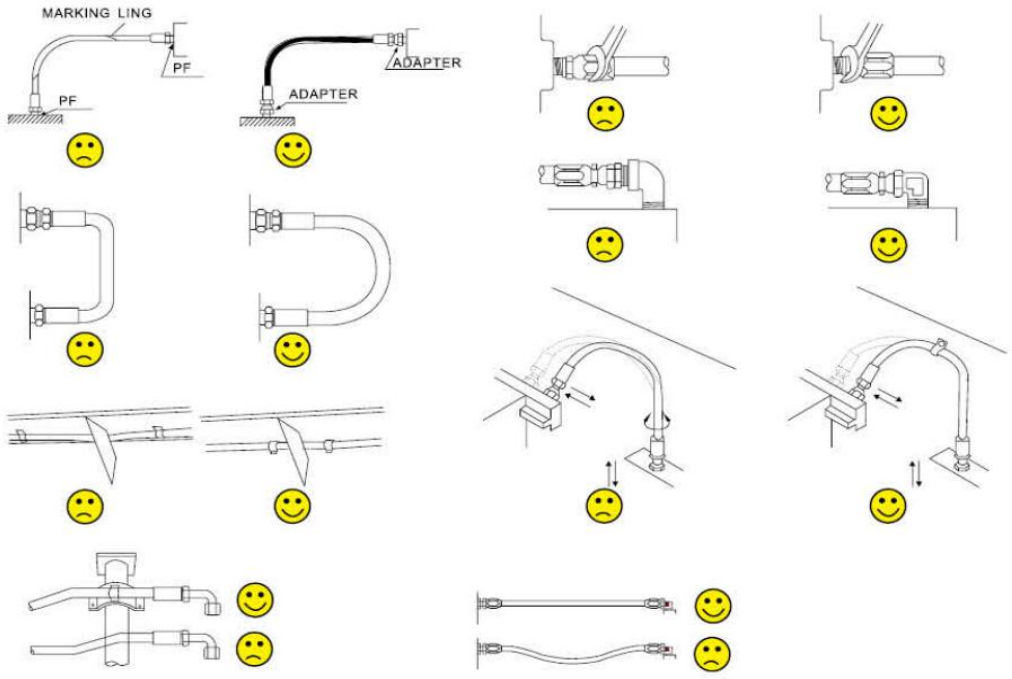
4、温度范围:用户应该在胶管温度规范所允许的范围内正确使用，工作环境温度超过规范要求，其承压能力会逐渐降低，进而影响到胶管的使用寿命。如果系统长期处于过高或过低的工作环境温度，我们建议采用铠装软管。

5、化学相容性:若胶管通过特殊的介质，用户应确保所选用的胶管总成其内、外、胶层，接头及 O 型密封圈都与介质相容。

6、弯曲半径:安装胶管总成时应注意到胶管的最小弯曲半径，若弯曲半径过小，将会降低胶管的承压能力并影响其使用寿命。

7、摩擦:如果胶管在使用时经常与硬物接触或摩擦，建议在胶管外部加装护套。

软管总成装卸示意图:



说明：在目录以外的其他品种和规格，可根据客户要求协调设计制造。

NOTED：Other kinds of products can be produced according to customers' request.

WIRE BRAID HYDRAULIC HOSE

SAE 100R1 AT/DIN EN 853 1SN

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: one high tensile steel wire braid

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

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	0.19
1/4	6.4	11.1	13.4	22.5	3270	90	12840	100	0.21
5/16	7.9	12.7	15.0	21.5	3120	85	12280	115	0.24
3/8	9.5	15.1	17.4	18.0	2610	72	10280	130	0.33
1/2	12.7	18.3	20.6	16.0	2310	64	9180	180	0.41
5/8	15.9	21.4	23.7	13.0	1890	52	7420	200	0.45
3/4	19.0	25.4	27.7	10.5	1530	42	6000	240	0.58
1	25.4	33.3	35.6	8.8	1280	35	5020	300	0.88
1-1/4	31.8	40.5	43.5	6.3	920	25	3600	420	1.23
1-1/2	38.1	46.8	50.6	5.0	730	20	2860	500	1.51
2	50.8	60.2	64.0	4.0	580	16	2280	630	1.97

SAE 100R2 AT/DIN EN 853 2SN

INNER TUBE: oil resistant synthetic rubber

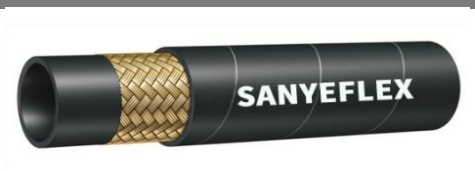
REINFORCEMENT: two high tensile steel wire braids

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃to +100℃

HOSE ID		Wire OD	Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
Inch	mm	mm	mm	MPa	Psi	MPa	Inch	mm	mm
3/16	4.8	11.1	13.4	41.4	6000	165	23720	90	0.31
1/4	6.4	12.7	15.0	40.0	5800	160	22840	100	0.33
5/16	7.9	14.3	16.6	36.0	5250	140	20000	115	0.39
3/8	9.5	16.7	19.0	33.1	4800	132	18840	130	0.50
1/2	12.7	19.8	22.2	27.6	4000	110	15720	180	0.59
5/8	15.9	23.0	25.4	25.0	3630	100	14280	200	0.71
3/4	19.0	27.0	29.3	21.5	3120	85	12280	240	0.86
1	25.4	34.9	38.0	16.5	2400	65	9420	300	1.28
1-1/4	31.8	44.5	48.3	12.5	1820	50	7140	420	2.02
1-1/2	38.1	50.8	54.6	9.0	1310	36	5140	500	2.23
2	50.8	63.5	67.3	8.0	1160	32	4560	630	2.85

SAE 100R1 AT /DIN EN 853 1ST



INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: one high tensile steel wire braid

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃to +100℃

DN	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
6	1/4	6.4	11.1	15.9	22.5	3270	90.0	12840	100	0.31
8	5/16	7.9	12.7	17.5	21.5	3120	85.0	12280	114	0.38
10	3/8	9.5	15.1	19.8	18.0	2615	72.0	10280	127	0.45
13	1/2	12.7	18.3	23.0	16.0	2320	64.0	9180	178	0.55
16	5/8	15.9	21.4	26.2	13.0	1890	52.0	7420	200	0.63
19	3/4	19.0	25.4	30.2	10.5	1530	42.0	6000	240	0.77
25	1	25.4	33.3	38.1	8.8	1280	35.0	5020	300	1.06
32	1-1/4	31.8	40.5	46.0	6.3	920	25.0	3600	419	1.45
38	1-1/2	38.1	46.8	52.4	5.0	730	20.0	2860	500	1.80
51	2	50.8	60.2	66.7	4.0	580	16.0	2280	630	2.30

SAE 100 R2 AT / DIN EN 853 2ST

INNER TUBE: oil resistant synthetic rubber

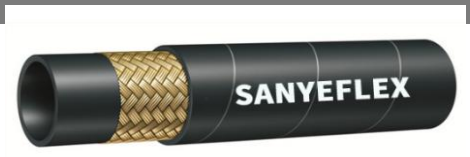
REINFORCEMENT: two high tensile steel wire braids

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE:-4℃ to +100℃

DN	HOSE ID		Wire OD	Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	mm	MPa	Psi	MPa	Psi	Inch	mm
6	1/4	6.4	12.7	17.5	40.0	5800	160.0	22840	100	0.42
8	5/16	7.9	14.3	19.1	36.0	5250	140.0	20000	114	0.51
10	3/8	9.5	16.7	21.4	33.1	4800	132.0	18840	127	0.60
13	1/2	12.7	19.8	24.6	27.6	4000	110.0	15720	178	0.74
16	5/8	15.9	23.0	27.8	25.0	3630	100.0	14280	200	0.86
19	3/4	19.0	27.0	31.8	21.5	3120	85.0	12280	240	1.04
25	1	25.4	34.9	39.7	16.5	2400	65.0	9420	300	1.42
32	1-1/4	31.8	44.5	50.8	12.5	1820	50.0	7140	419	2.23
38	1-1/2	38.1	50.8	57.2	9.0	1310	36.0	5140	500	2.74
51	2	50.8	63.5	69.9	8.0	1160	32.0	4560	630	3.50

SAE 100R1 AT / DIN EN 853 1SN



INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: one high tensile steel wire braid

COVER: abrasion and weather resistant svnthetic rubber

TEMPERATURE RANGE: -4℃to +100℃

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	0.19
1/4	6.4	11.1	13.4	22.5	3270	90	12840	100	0.21
5/16	7.9	12.7	15.0	21.5	3120	85	12280	115	0.24
3/8	9.5	15.1	17.4	18.0	2610	72	10280	130	0.33
1/2	12.7	18.3	20.6	16.0	2320	64	9180	180	0.41
5/8	15.9	21.4	23.7	13.0	1890	52	7420	200	0.45
3/4	19.0	25.4	27.7	10.5	1530	42	6000	240	0.58
1	25.4	33.3	35.6	8.8	1280	35	5020	300	0.88
1-1/4	31.8	40.5	43.5	6.3	920	25	3600	420	1.23
1-1/2	38.1	46.8	50.6	5.0	730	20	2860	500	1.51
2	50.8	60.2	64.0	4.0	580	16	2280	630	1.97

SAE 100R2 AT /DIN EN 853 2SN

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: two high tensile steel wire braids

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to+100℃

HOSE ID		Wire OD	Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
Inch	mm	mm	mm	MPa	Psi	MPa	Inch	mm	mm
3/16	4.8	11.1	13.4	41.4	6000	165	23720	90	0.31
1/4	6.4	12.7	15.0	40.0	5800	160	22840	100	0.33
5/16	7.9	14.3	16.6	36.0	5250	140	20000	115	0.39
3/8	9.5	16.7	19.0	33.1	4800	132	18840	130	0.50
1/2	12.7	19.8	22.2	27.6	4000	110	15720	180	0.59
5/8	15.9	23.0	25.4	25.0	3630	100	14280	200	0.71
3/4	19.0	27.0	29.3	21.5	3120	85	12280	240	0.86
1	25.4	34.9	38.0	16.5	2400	65	9420	300	1.28
1-1/4	31.8	44.5	48.3	12.5	1820	50	7140	420	2.02
1-1/2	38.1	50.8	54.6	9.0	1310	36	5140	500	2.23
2	50.8	63.5	67.3	8.0	1160	32	4560	630	2.85

DIN-EN 857 1SC

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: one high tensile steel wire braid

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE:-4℃ to +100℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	mm	MPa	Psi	MPa	mm	Kg/m
6	1/4	6.4	12.5	30.0	4350	120	17400	75	0.14
8	5/16	7.9	14.0	27.5	3980	110	15950	80	0.20
10	3/8	9.5	16.5	22.5	3263	90	13050	9	0.26
13	1/2	12.7	19.8	20.0	2900	80	11600	127	0.35
16	5/8	15.9	23.0	15.0	2175	60	8700	153	0.48
19	3/4	19.0	26.7	15.0	2175	60	8700	180	0.60
25	1	25.4	34.9	11.0	1595	45	6525	230	0.90

DIN-EN 857 2SC

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: two high tensile steel wire braids

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	MPa	Psi	Psi	Inch	mm	Kg/m
6	1/4	6.4	14.2	45.0	6525	180	26100	75	0.28
8	5/16	7.9	16.0	40.0	5800	160	23200	85	0.36
10	3/8	9.5	18.3	37.5	5438	150	21750	90	0.41
13	1/2	12.7	21.5	31.0	4495	124	17980	130	0.59
16	5/8	15.9	24.7	30.0	4350	120	17400	170	0.63
19	3/4	19.0	28.6	28.7	4162	115	16675	200	0.80
25	1	25.4	36.6	22.5	3263	90	13050	250	1.17

SAE 100 R16

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: two high tensile steel wire braid

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
6	1/4	6.4	13.4	34.5	5000	138	20000	50	0.27
8	5/16	7.9	15.0	29.3	4250	117	17000	55	0.35
10	3/8	9.5	17.4	27.5	4000	110	16000	65	0.42
13	1/2	12.7	20.6	24.0	3500	96	14000	90	0.52
16	5/8	15.9	23.8	19.0	2750	76	11000	100	0.63
19	3/4	19.0	27.8	15.5	2250	62	9000	120	0.81
25	1	25.4	35.9	13.8	2000	55	8000	150	1.17
32	1-1/4	31.8	43.6	11.2	1625	45	6500	210	1.49

SAE 100 R17

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: one or two high tensile steel wire braids

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
Inch	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
1/4	6.3	12.7	22.5	3260	90.0	13040	51	0.22
5/16	8.0	15.0	21.0	3000	84.0	12000	60	0.27
3/8	9.5	16.5	21.0	3000	84.0	12000	64	0.34
1/2	12.7	20.8	21.0	3000	84.0	12000	89	0.42
5/8	15.9	24.7	25.0	3625	100.0	14500	102	0.51
3/4	19.0	28.6	21.5	3120	86.0	12480	122	0.63
1	25.4	36.6	20.7	3000	82.8	12000	152	1.00

MULTISPIRAL HYDRAULIC HOSE

EN856 4SP

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: four spirals of high tensile steel wire

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	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
10	3/8	9.5	17.5	21.4	44.5	6450	180	26000	180	0.78
13	1/2	12.7	20.2	24.0	41.5	6000	166	24000	230	0.89
16	5/8	15.9	23.8	28.2	35.0	5000	140	20000	250	1.11
19	3/4	19.0	28.2	32.2	35.0	5000	140	20000	300	1.59
25	1	25.4	35.5	39.7	28.0	4000	112	16000	340	2.02
32	1-1/4	31.8	46.0	50.8	21.0	3000	84	12000	460	3.32
38	1-1/2	38.1	52.4	57.7	18.5	2700	74	10800	560	3.7
51	2	50.8	65.3	69.6	16.5	2400	66	9600	660	5.47

EN856 4SH

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: four spirals of high tensile steel wire

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	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
19	3/4	19.0	28.4	32	42.0	6000	168	24000	280	1.61
25	1	25.4	35.2	38.6	38.0	5500	152	22000	340	2.00
32	1-1/4	31.8	41.9	45.8	32.5	4700	130	18800	460	2.46
38	1-1/2	38.1	48.8	53.3	29.0	4200	116	16800	560	3.35
51	2	50.8	63.2	68.1	25.0	3600	100	14400	700	4.98

SAE 100 R9

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: four spirals of high tensile steel wire

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

HOSE ID		Wire OD		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
Inch	mm	Min(mm)	Max(mm)	mm	MPa	Psi	MPa	Psi	mm	kg/m
3/8	9.5	16.9	18	21.1	31	4500	124	18000	127	0.70
1/2	12.7	19.4	21	24.3	28	4500	110	16000	178	0.83
3/4	19	26.6	28.2	31.9	21	3000	83	12000	241	1.30
1	25.4	34.5	36.1	40.5	21	3000	83	12000	305	1.70
1 1/4	31.8	43.3	45.6	50.7	17	2500	69	10000	419	3.08
1 1/2	38.1	49.6	52	58.7	14	2000	55	8000	508	4.30
2	50.8	63.9	66.2	73	14	2000	55	8000	660	5.63

SAE 100 R12

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: four spirals of high tensile steel wire

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	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
10	3/8	9.5	17.2	20.3	27.5	4000	110.3	16000	125	0.62
13	1/2	12.7	20.7	23.8	27.5	4000	110.3	16000	180	0.85
16	5/8	15.9	24.6	27.4	27.5	4000	110.3	16000	200	1.29
19	3/4	19.0	27.7	30.7	27.5	4000	110.3	16000	240	1.47
25	1	25.4	34.9	38.0	27.5	4000	110.3	16000	300	2.00
32	1-1/4	31.8	43.9	47.0	20.7	3000	82.7	12000	420	2.86
38	1-1/2	38.1	50.4	53.5	17.2	2500	68.9	10000	500	3.24
51	2	50.8	63.7	66.7	17.2	2500	68.9	10000	630	4.80

SAE 100 R13

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: four or six spirals of high tensile steel wire

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +125℃

DN	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
19	3/4	19.0	28.4	32.1	34.5	5000	138.0	20000	240	1.68
25	1	25.4	35.2	38.7	34.5	5000	138.0	20000	300	2.24
32	1-1/4	31.8	41.9	50.2	34.5	5000	138.0	20000	420	3.90
38	1-1/2	38.1	48.8	57.7	34.5	5000	138.0	20000	500	5.07
51	2	50.8	63.2	71.5	34.5	5000	138.0	20000	630	7.91

SAE 100 R15

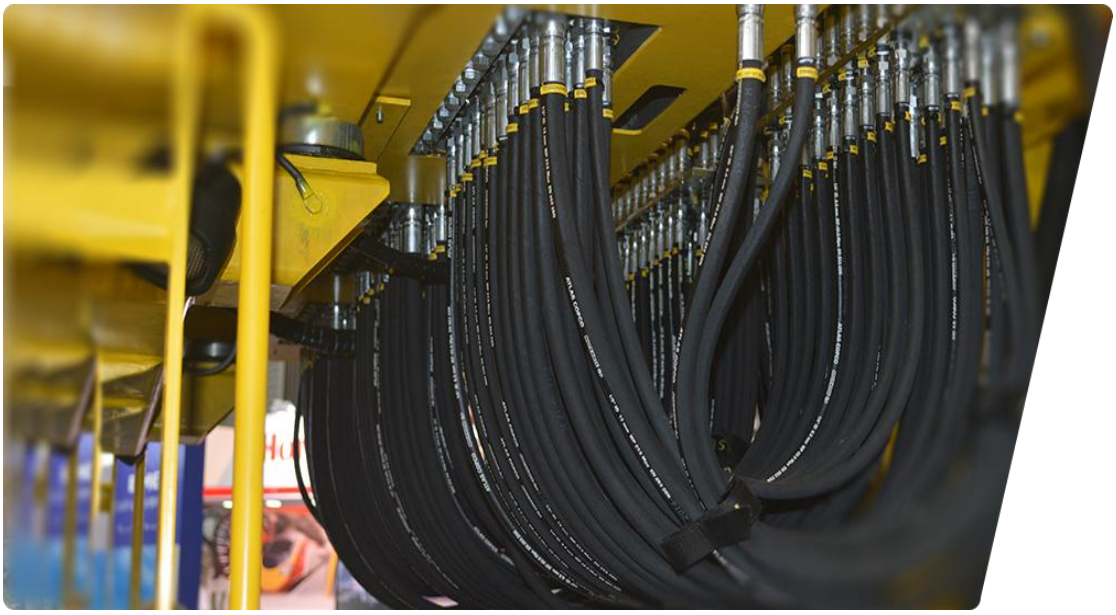
INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: four or six spirals of high tensile steel wire

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +125℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
10	3/8	9.5	23.3	41.4	6000	165.5	24000	153	0.75
13	1/2	12.7	26.8	41.4	6000	165.5	24000	203	0.89
19	3/4	19.0	36.1	41.4	6000	165.5	24000	267	1.56
25	1	25.4	42.9	41.4	6000	165.5	24000	330	2.10
32	1-1/4	32.0	51.5	41.4	6000	165.5	24000	445	3.65
38	1-1/2	38.0	59.6	41.4	6000	165.5	24000	533	5.00



FIBRE BRAID HYDRAULIC HOSE

SAE 100 R4

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: textile layers, zinc plated steel wire helix

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANG: -4℃ to +100℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure	Minimum Bend Radius	Weight
	Inch	mm	mm	MPa	Psi	MPa	mm	kg/m
19	3/4	19.0	34.9	2.10	315.0	8.4	127	0.75
25		25.4	41.3	1.70	255.0	6.8	152	0.93
32	1-1/4	31.8	50.8	1.40	210.0	5.6	203	1.25
38	1-1/2	38.1	57.2	1.05	157.5	4.2	254	1.54
51	2	50.8	69.9	0.70	105.0	2.8	3.05	2.00
63	2-1/2	63.5	82.6	0.40	60.0	1.6	356	2.50
76	3	76.2	95.3	0.40	60.0	1.6	457	3.20
89	3-1/2	88.9	108	0.30	45.0	1.2	533	4.03
102	4	101.6	121	0.25	37.5	1.0	610	5.04

SAE 100 R3 / EN854 R3

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: double high tensile fibre braids

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
5	3/16	4.8	12.7	10.5	1520	42.0	6500	75	0.16
6	1/4	6.4	14.3	8.7	1350	34.8	5300	75	0.19
8	5/16	7.9	17.5	8.4	1300	33.6	5200	100	0.26
10	3/8	9.5	19.0	78	1200	31.2	4840	100	0.28
13	1/2	12.7	23.8	7.0	1080	28.0	4340	125	0.40
16	5/8	15.9	27.0	6.1	945	24.4	3780	140	0.55
19	3/4	19.0	31.8	5.2	800	20.8	3220	150	0.69
25	1	25.4	38.0	3.9	600	15.5	2420	205	0.82
32	1-1/4	31.8	44.4	2.6	400	10.4	1610	250	1.00

SAE 100 R6 / EN 854 R6

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: one high tensile fibre braid

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -4℃ to +100℃

DN	HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
	Inch	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
5	3/16	4.8	11.1	3.4	500	13.8	2000	50	0.11
6	1/4	6.4	12.7	2.8	400	11.0	1600	65	0.15
8	5/16	7.9	14.3	2.8	400	11.0	1600	16	0.16
10	3/8	9.5	15.9	2.8	400	11.0	1600	75	0.18
13	1/2	12.7	19.8	2.8	400	11.0	1600	100	0.26
16	5/8	15.9	23.0	2.4	350	9.7	1400	125	0.29
19	3/4	19.0	26.6	2.1	300	8.3	1200	150	0.40

WIRE BRAID TEXTILE COVERED HOSE

SAE 100 R5

INNER TUBE: oil resistant synthetic rubber

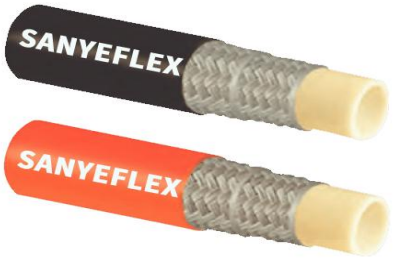
REINFORCEMENT: one high tensile steel were braid

COVER: impregnated textile braid (1T/B)

TEMPERATURE RANGE: -40℃ to +100℃

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	3200	187	0.69
1-1/8	28.6	38.1	4.3	625	17.2	2500	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	1400	337	1.26
2-3/8	60.5	73.0	2.4	350	9.6	1400	610	2.00
3	75.5	90.5	1.4	200	5.6	800	840	3.00

HIGH & MIDDLE PRESSURE SYNTHETIC FIBRE BRAID 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. Flexible and the inner tube is very smooth. With few less of pressure, the hose resistance of the medium flowing is small, and it also owns a fine performance of anti-chemical and impulse.

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

SAE100R7/EN855 R7

HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
Inch	mm	mm	MPa	Psi	MPa	Psi	mm	kg/m
1/8	3.3	8.5	17.2	2500	68.9	10000	13	0.037
3/16	4.8	10.8	20.7	3000	82.7	12000	20	0.068
1/4	6.4	13.0	20.7	3000	82.7	12000	33	0.085
5/16	7.9	15.1	17.2	2500	68.9	10000	46	0.103
3/8	9.5	17.0	15.5	2250	62.1	9000	51	0.141
1/2	12.7	20.7	13.8	2000	55.2	8000	76	0.210
3/4	19.0	27.1	86	1250	34.5	5000	127	0.287
1	25.4	34.0	6.9	1000	27.6	4000	203	0.542

SAE100R8 / 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	3500	96.5	14000	102	0.283

PTFE HOSE

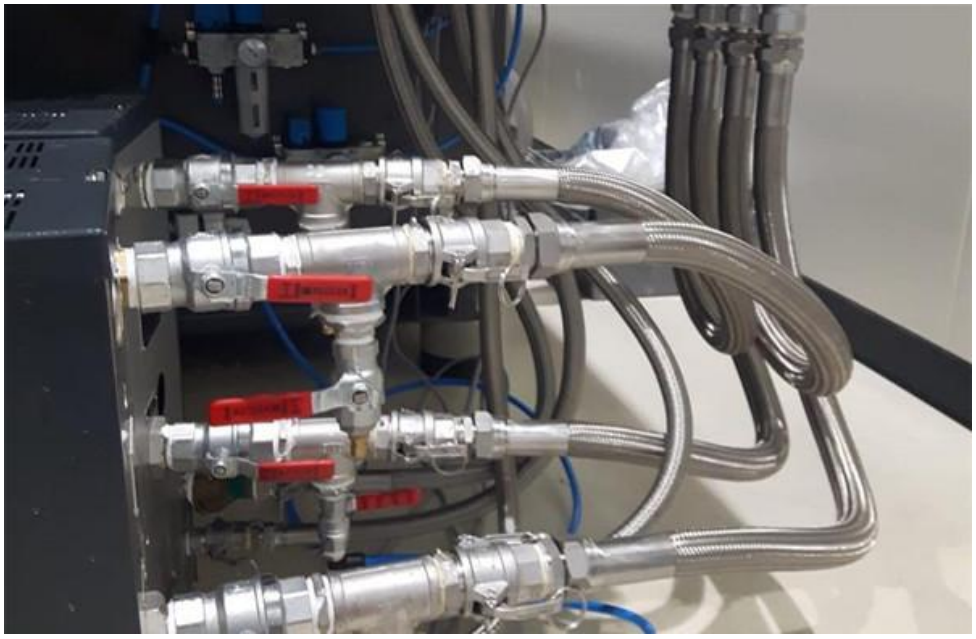
SAE 100 R14

INNER TUBE: high temperature resistant and chemical corrosion resistant PTFE material

COVER: stainless steel wire braid

TEMPERATURE RANGE: -60℃ to +260℃

HOSE ID		Hose OD	Wall Thickness	Working Pressure		Burst Pressure		Minimum Bend Radius
Inch	mm	mm	mm	MPa	Psi	MPa	Psi	mm
1/4	4.65-5.16	7.32-8.43	0.89	299	4330	897	13000	71
5/16	5.97-6.81	8.26-9.42	0.76	276	4000	828	12000	76
3/8	7.54-8.38	10.36-11.63	0.76	230	3330	690	10000	127
1/2	9.93-10.64	12.78-14.10	0.89	183	2660	552	8000	133
5/8	12.57-13.34	12.75~16.76	0.76	161	2330	483	7000	177
3/4	15.24-16.51	18.62-20.14	0.76	138	2000	414	6000	203
1	21.46-22.99	24.64-26.95	0.89	103	1500	310	4500	241
1-1/4	27.80-29.40	31.90-33.50	1.00	41	600	172	2500	406



FLEXIBLE METAL HOSE

Flexible metal hoses a kind of fiexible connecting pipe used in modern industrial piping. Since the major components are made of austenitic stainless steel. The pipe is characterized by good flexibility, corrosion resistance, fatigue resistance, high and low temperature resistance (-200℃ -600℃), high pressure resistance, durability. So it is widely used by various industries.

HOSE ID		Hose OD		Minimum Bend Radius	Working Pressure	Weight	
		Main Body	Ingle Braid			Main Body	Ingle Braid
Inch	mm	mm	mm	mm	MPa	kg/m	kg/m
1/4	6.3	9.0	10.5	150	6.4	0.06	0.15
5/16	79	10.9	12.5	160	6.4	0.08	0.18
3/8	10.8	15.2	16.8	180	5.0	0.13	0.28
1/2	13.4	18.5	20.0	240	4.0	0.17	0.35
5/8	16.0	21.5	23.0	300	35	0.20	0.40
3/4	19.1	25.6	27.2	340	3.0	0.24	0.50
1	25.4	32.6	34.2	400	2.5	0.38	0.75
1-1/4	32.9	40.6	42.2	480	2.5	0.48	0.96
1-1/2	39.3	47.6	50.2	600	2.5	0.50	1.00
2	50.8	61.5	63.5	780	2.5	0.88	1.75

WIRE BRAID STEAM HOSE

Q/HYL03-S Standard

CONSTRUCTION: Steam hoses are made of excellent heat resistant rubber and braided copper facing wire.

APPLICATIONS: For conveying saturated steam and superheated water continually at a temperature below 150℃ orinter mittently at a temperature below 160℃.

One high tensile steel wire braid 1W/B

HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius
Inch	mm	mm	MPa	Psi	MPa	Psi	mm
3/8	11.4+0.5	21.5	1.0	150	10	1450	130
1/2	13.5+0.5	24.5	1.0	150	10	1450	180
5/8	15.8+0.5	27.5	1.0	150	10	1450	205
3/4	19.0+0.5	30.5	1.0	150	10	1450	240
7/8	22.0+0.5	33.5	1.0	150	10	1450	280
1	25.2+0.5	37.0	1.0	150	10	1450	300
1-1/4	28.6+0.6	44.0	1.0	150	10	1450	420
1-1/2	32.0+0.6	50.5	1.0	150	10	1450	500
1-3/4	39.5+0.8	57.5	1.0	150	10	1450	500
2	45.8+0.8	63.5	1.0	150	10	1450	630
2-1/2	56.5+0.8	77.5	1.0	150	10	1450	700

Two high tensile steel wire braids 2W/B

HOSE ID		Hose OD	Working Pressure		Burst Pressure		Minimum Bend Radius
Inch	mm	mm	MPa	Psi	MPa	Psi	mm
3/8	11.4+0.5	23.0	2.0	300	20	2900	130
1/2	13.5+0.5	26.0	2.0	300	20	2900	180
5/8	15.8 ± 0.5	29.0	2.0	300	20	2900	205
3/4	19.0+0.5	32.0	2.0	300	20	2900	240
7/8	22.0+0.5	35.0	2.0	300	20	2900	280
1	25.2+0.5	38.5	2.0	300	20	2900	300
1-1/4	28.6+0.6	45.5	2.0	300	20	2900	420
1-1/2	32.0+0.6	52.0	2.0	300	20	2900	500
1-3/4	39.5+0.8	59.0	2.0	300	20	2900	500
2	45.8+0.8	65.0	2.0	300	20	2900	630
2-1/2	56.5+0.8	79.0	2.0	300	20	2900	700

DOMESTIC STANDARD WIRE BRAID HYDRAULIC HOSE

Q/HYL01-A Standard GB/T3683-2006

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: 1W/B(one high tensile steel wire braid)

COVER: abrasion and weather resistant synthetic rubber

TEMPERATURE RANGE: -40℃ to +100℃

1W/B

HOSE ID		Wire OD	Hose OD	Working Pressure		Burst Pressure	Minimum Bend Radius	Weight
Inch	mm	mm	mm	MPa	Psi	MPa	mm	kg/m
1/4	6.3±0.5	11.4±0.5	15.4	20.0	2880	50.0	100	0.30
5/16	8.0±0.5	13.5±0.5	17.7	17.5	2520	43.5	115	0.40
3/8	10±0.5	15.8±0.5	20.0	16.0	2300	40.0	130	0.47
1/2	13±0.5	19.0±0.5	23.4	14.0	2000	35.0	180	0.57
5/8	16±0.5	22.0±0.5	26.5	12.0	1730	30.0	205	0.65
3/4	19±05	25.2±0.5	29.6	10.0	1440	25.0	240	0.76
7/8	22±0.5	28.6±0.6	33.0	9.0	1300	22.5	280	0.93
1	25±0.5	32.0±0.6	36.0	8.0	1150	20.0	300	1.03
1-1/4	32±0.5	39.5±0.8	43.4	6.0	860	15.0	420	1.26
1-1/2	38±0.5	45.8±0.8	49.8	5.0	720	12.5	500	1.47
1-3/4	45±0.5	56.5±0.8	56.5	5.0	720	12.5	500	1.64
2	51±0.5	63.0±0.8	63.0	4.0	580	10.0	630	1.90
2-1/2	64±0.5	77.0±0.8	77.0	3.0	430	7.5	700	2.50

Q/HYL01-A Standard GB/T3683-92(MT98-84)

INNER TUBE: oil resistant synthetic rubber
REINFORCEMENT: two or three high tensile steel wire braids
COVER: abrasion and weather resistant synthetic rubber
TEMPERATURE RANGE: -40℃ to +100℃

2W/B

HOSE ID		Wire OD	Hose OD	Working Pressure		Burst Pressure	Minimum Bend Radius	Weight
Inch	mm	mm	mm	MPa	Psi	MPa	mm	kg/m
1/4	6.3±0.5	13.0±0.5	17.0	60	8640	150.0	100	0.47
5/16	8.0±0.5	15.5±0.5	19.4	48	6900	120.0	115	0.57
3/8	10±0.5	17.5±0.5	21.7	40	5760	100.0	130	0.70
1/2	13±0.5	20.6±0.5	24.8	38	5500	95.0	180	0.84
5/8	16±0.5	23.8±0.5	28.0	34	4900	85.0	205	0.96
3/4	19±05	27.0±0.5	31.5	25	3600	75.0	240	1.08
7/8	22±0.5	30.5±0.6	34.8	22	3190	55.0	280	1.31
1	25±0.5	33.7±0.6	37.7	21	3000	52.5	300	1.45
1-1/4	32±0.5	41.3±0.8	45.2	17	2460	42.5	420	1.72
1-1/2	38±0.5	47.5±0.8	51.5	14	2000	35.0	500	1.95
1-3/4	45±0.5	58.5±0.8	58.5	13	1880	32.5	500	2.17
2	51±0.5	65.0±0.8	65.0	12	1740	30.0	630	2.60
2-1/2	64±0.5	79.0±0.8	79.0	5.0	725	12.5	700	3.3

3W/B

HOSE ID		Wire OD	Hose OD	Working Pressure		Burst Pressure	Minimum Bend Radius	Weight
Inch	mm	mm	mm	MPa	Psi	MPa	mm	kg/m
1/4	6.3±0.5	14.5±0.5	18.6	65	9360	162.0	100	0.63
5/16	8.0±0.5	17.0±0.5	21.0	50	7200	125.0	115	0.75
3/8	10±0.5	19.3±0.5	23.3	45	6190	112.0	130	0.91
1/2	13±0.5	22.3±0.5	26.5	43	5040	100.0	180	1.10
5/8	16±0.5	25.5±0.5	29.8	35	4000	87.0	205	1.27
3/4	19±05	28.7±0.5	33.2	28	3600	70.0	240	1.39
7/8	22±0.5	32.0±0.6	36.5	25	3600	62.5	280	1.73
1	25±0.5	35.5±0.6	39.5	25	3600	60.0	300	1.89
1-1/4	32±0.5	43.1±0.8	47.0	19	2700	47.5	420	2.20
1-1/2	38±0.5	49.3±0.8	53.3	15	2160	37.5	500	2.47
1-3/4	45±0.5	60.5±0.8	60.5	10	1440	25.0	500	2.70
2	51±0.5	67.0±0.8	67.0	8	1160	24.0	630	3.30
2-1/2	64±0.5	81.0±0.8	81.0	7	1015	21.0	700	4.20

DOMESTIC STANDARD WIRE SPIRAL HYDRAULIC HOSE

Q/HYL02-2004 Standard

INNER TUBE: oil resistant synthetic rubber

REINFORCEMENT: two、four or six spirals of high tensile steel wire (2W/S 4W/S 6W/S)

COVER: abrasion and weather resistant synthetic rubber

EMPERATURE RANGE: -40℃ to +100℃

HOSE ID		Wire OD	Hose OD	Working Pressure		Minimum Bend Radius
Inch	mm	mm	mm	MPa	Psi	mm
1/2	13±0.5	18.5±0.5	21.5±0.8	46	6580	230
5/8	16±0.5	22.2±0.5	23.2±0.8	35	5000	250
3/4	19±0.5	26.0±0.5	29.0±0.8	30	4300	300
7/8	22±0.5	30.0±0.5	34.0±0.8	25	3580	320
1	25±0.5	32.5±0.5	36.5±0.8	25	3580	340
1-1/4	32±0.5	40.5±0.5	44.5±0.8	20	2860	460
1-1/2	38±0.5	47.0±0.7	51.0±1.0	20	2860	560
1-3/4	45±0.5	54.2±0.7	58.2±1.0	15	2150	600
2	51±0.5	60.0±07	64.0±1.0	15	2150	660
1/4	6±0.5	13.5±0.5	16.5±0.8	70	10000	150
3/8	10±0.5	17.5±0.5	20.5±0.8	65	9300	180
1/2	13±0.5	20.5±0.5	23.5±0.8	60	8580	230
5/8	16±0.5	24.6±0.5	27.5±0.8	55	7920	250
3/4	19±0.5	29.0±0.5	32.0±0.8	46	6580	300
7/8	22±0.5	33.0±0.5	37.0±0.8	40	5720	320
1	25±0.5	35.5±0.5	39.5±0.8	40	5720	340
1-1/4	32±0.5	43.5±0.5	47.5±0.8	40	5720	460
1-1/2	38±0.5	50.0±0.7	54.0±1.0	38	5440	560
1-3/4	45±0.5	57.8±+0.7	62.0±1.0	35	5000	600
2	51±0.5	63.5±07	67.5±1.0	35	5000	660
1-1/4	32±0.5	46.5±0.5	50.5±0.8	45	6480	500
1-1/2	38±0.5	53.0±07	57.0±1.0	45	6480	600
2	51±0.5	67.0±0.7	71.0±1.0	40	5760	750

LARGE SIZE WIRE BRAID HYDRAULIC HOSE

INNER TUBE: oil resistant synthetic rubber
REINFORCEMENT: high tensile steel wire braids
COVER: abrasion and weather resistant synthetic rubber
TEMPERATURE RANGE: -40℃ to +100℃

HOSE ID		Steel layer	Wire OD	Hose OD	Working Pressure	Burst Pressure
Inch	mm	W/B	mm	mm	MPa	MPa
2-1/2	64	1	72±1	77+1.5	3.0	12.0
3	76	1	84.7±1	90+1.5	2.5	10.0
3-1/2	89	1	99±1	106+1.5	1.8	7.2
4	102	1	113±1.2	118+1.5	0.8	3.2
2-1/2	64	2	73.5±1	78.5+1.5	4.0	16.0
3	76	2	86.2±1	91.5+1.5	3.0	12.0
3-1/2	89	2	101±1	108+1.5	2.5	10.0
4	102	2	115±1.2	120+1.5	3.5	14.0
2-1/2	64	3	76±1	81+1.5	5.0	20.0
3	76	3	89±1	95+1.5	4.0	16.0
3-1/2	89	3	103±1	110+1.5	3.0	12.0
4	102	3	117±1.2	122+1.5	4.5	18.0

WIRE BRAID LIQUEFIED PETROLEUM GAS HOSE

Q/HYL03-G Standard GB10546-89

INNER TUBE: synthetic rubber
REINFORCEMENT: one or two high tensile steel wire braid
COVER COMPOUND: one impregnated fibre braid(1T/B)
TEMPERATURE RANGE:-40℃ to +60℃

HOSE ID		Hose OD	Working Pressure		Minimum Bend Radius	Weight
Inch	mm	mm	MPa	Psi	mm	kg/m
3/8	10±0.5	18±1	16	2400	120	0.45
1/2	13±0.5	21±1	14	2100	140	0.56
1	25±0.5	34±1	7	1000	200	0.94
2	51±0.5	67±1	8	1200	630	2.90

FLAME RETARDANT CONDUCTING ELECTROSTATIC STEEL WIRE BRAIDED HYDRAULIC RUBBER HOSE

Q/XXC016-2005 902 Standard

CONSTRUCTION: synthetic rubber inner tube ,1 to 3 wire braids reinforcements and flame resistant and conducting static electricity synthetic rubber cover.

APPLICATION: meets the requirements of flame resistant and conducting static electricity hydraulic system service with pertroleum and water-base fluids

TEMPERATURE RANGE: -40℃ to +100℃

One WIRE BRAID

Hose I.D	Braided O.D.	Hose OD		Working Pressure	Burst Pressure	Minimum Bend Radius	Weight
		Type A	Type AT	W.P	B.P	B.R	W.T
mm	mm	Inch	mm	MPa	MPa	mm	Kg/m
4	10.0	13	-	32.0	80.0	90	0.25
6	11.7	16	14.5	32.0	80.0	100	0.31
8	13.7	18	16.5	28.0	70.0	115	0.38
10	15.7	20	18.5	25.6	64.0	130	0.44
13	19.7	24	22.5	22.4	56.0	180	0.60
16	22.7	27	25.5	16.8	42.0	205	0.70
19	25.7	30	28.5	14.4	36.0	240	0.79
22	28.7	33	31.5	12.8	32.0	280	0.90
25	32.2	37	35.0	11.2	28.0	300	1.07
32	39.2	44	43.0	9.0	22.5	420	1.33
38	45.2	50	49.0	7.0	17.5	500	1.54
45	52.0	56	-	5.0	12.5	550	1.59
51	58.0	62	-	5.0	12.5	630	1.86
88	66.0	70	-	4.0	12.0	710	2.17
63	71.0	75	-	3.5	10.5	770	2.22
76	84.0	88	-	3.0	9.0	930	2.68
90	99.0	103	-	2.0	6.0	1100	3.20
102	111.0	115	-	1.5	4.5	1250	3.50

TWO WIRE BRAIDS

		Hose OD		Working Pressure	Burst Pressure	Minimum Bend Radius	Weight
I.D	B.D	Type A	Type AT	W.P	B.P	B.R	W.T
mm	mm	Inch	mm	MPa	MPa	mm	Kg/m
6	13.5	18	16.3	56.0	140.0	120	0.50
8	15.5	20	18.3	48.0	120.0	135	0.60
10	17.5	22	20.3	40.0	100.0	150	0.71
13	21.5	26	24.3	36.0	90.0	200	0.92
16	24.5	29	27.3	32.0	80.0	225	1.05
19	27.5	32	30.3	25.0	62.5	270	1.14
22	30.5	35	33.3	22.0	55.0	310	1.28
25	34.0	39	36.8	21.0	52.5	330	1.51
32	41.0	46	44.5	17.0	42.5	450	1.87
38	47.0	52	50.5	14.0	35.0	530	2.12
45	54.0	58	-	8.0	20.0	580	2.20
51	60.0	64	-	8.0	20.0	660	2.62
88	68.0	72	-	6.0	18.0	730	2.90
63	73.0	77	-	55	16.5	790	2.95
76	86.0	90	-	4.0	12.0	950	3.90
90	101.0	105	-	3.2	9.6	1130	4.10
102	113.0	117	-	2.6	7.8	1280	4.50

STEEL WIRE BRAIDED RUBBER HOSE FOR REFUELING MACHINE

Q/XXC062-2003 Standard

CONSTRUCTION: synthetic rubber inner tube,wire braid reinforcement and synthetic rubber cover.

APPLICATION: dispensing all types of commercial gasoline or other petroleum based products, from service station pumps.

		Hose OD	Working Pressure	Burst Pressure	Minimum Bend Radius
I.D	B.D	OD	W.P	B.P	B.R
mm	mm	mm	MPa	MPa	mm
13	19.7	24	2.5	10.0	180
16	22.7	27	2.5	10.0	205
19	25.7	30	2.5	10.0	240
22	28.7	33	2.0	8.0	280
25	32.2	37	2.0	8.0	300
32	39.2	44	2.0	8.0	420

STEEL WIRE SPIRAL DRILLING RUBBER HOSE

CONSTRUCTION:

It is composed of inner rubber layer, inner rubber protection layer, middle rubber layer, steel wire spiral layer and external rubber cover.

APPLICATIONS:

Steel wire spiral drilling rubber hoses are used in oil fields, well cementing, well repairing, geological explorations, small drilling machine, and water conveyance at coal excavations，carrying mud, water at environmental temperature and other fluids.

Hose size	Inside Diameter	Reinforcement Diameter	Outside Diameter	Working Pressure Mpa		Proof pressure		Burst Pressure		Min Bend Radius	Weight
	mm	mm	mm	MPa	Psi	MPa	Psi	MPa	Psi	mm	Kg/m
4sp-51-35	51±1.0	63±1.0	69±1.5	35	5000	70	10000	87.5	12500	900	5.7
4sp-64-35	64±1.2	77±1.0	84±1.5	35	5000	70	10000	87.5	12500	1100	6.7
4sp-76-35	76±1.4	101±1.5	107±2	35	5000	70	10000	87.5	12500	1200	16.2
4sp-89-35	89±1.4	114±1.5	120±2	35	5000	70	10000	87.5	12500	1300	18.4
4sp-102-35	102±1.5	132±1.5	139±2	35	5000	70	10000	87.5	12500	1400	20.3
6sp-51-50	51±1.0	66±1.0	72±1.5	50	7250	100	14500	175.0	18150	1000	6.2
6sp-64-45	64±1.2	81±1.0	88±1.5	45	6500	90	13000	112.5	16250	1200	7.4
6sp-76-70	76±1.4	109±1.5	116±2	70	10150	140	20300	175.0	25400	1300	23.7
6sp-89-70	89±1.4	129±1.5	136±2	70	10150	140	20300	175.0	25400	1400	26.6
6sp-102-70	102±1.5	142±1.5	148±2	70	10150	140	20300	175.0	25400	1600	29.8

OCEANIC HIGH PRESSURE OIL-CONVEYING RUBBER HOSE

CONSTRUCTION: Steel wire spiral reinforced layer, internal and external oil-resistant and corrosion-resistant synthetic rubber cover.

APPLICATIONS: For carrying under sea gas, petroleum and etc.

Hose size	Inside Diameter	Reinforcement Diameter	Outside Diameter	Working Pressure		Proof pressure		Burst Pressure		Min Bend Radius	Weight
	mm	mm	mm	MPa	Psi	MPa	Psi	MPa	Psi	mm	Kg/m
2sp-152-15	51±2.0	173±3.0	179±4.0	15	2150	30	4300	37.5	5425	2280	18
2sp-203-15	203±2.0	223±3.0	230±4.0	15	2150	30	4300	37.5	5425	3050	24
2sp-254-10	254±2.0	275±3.0	282±4.0	10	1450	20	2890	25.0	3625	3810	30
2sp-305-8	305±2.0	330±3.0	338±4.0	8	1159	16	2318	24.0	3477	4510	36
4sp-152-25	152±2.0	184±3.0	192±4.0	25	3625	50	7250	62.5	9050	2580	24
4sp-203-20	203±2.0	236±3.0	243±4.0	20	2890	40	5780	50.0	7225	3350	31
4sp-254-16	254±2.0	285±3.0	292±4.0	16	2318	32	4636	48.0	6955	4110	39
4sp-305-16	305±2.0	341±3.0	350±4.0	16	2318	32	4636	48.0	6955	4810	47

ANTIFLAMING FIRE-RESISTANT RUBBER HOSE

CONSTRUCTION: High pressure steel wire spiral rubber hose, covered with fire resistant coating steel wire braid layer and anti flaming layer.

APPLICATIONS: It is mainly used in high temperature surroundings and in conditions having heat source or heat radiation source, such as oil field well-control, metal smelting, and chemical industry.

Hose size	Inside Diameter	Reinforcement Diameter	Outside Diameter	Working Pressure		Proof pressure		Burst Pressure		Min Bend Radius	Fire Resistance Temperature
	mm	mm	mm	MPa	Psi	MPa	Psi	MPa	Psi	mm	℃
Φ13(1/2")	13±0.5	22.2±0.8	44±1.0	43	6231	64.50	9346	86	12461	230	750
Φ16(5/8")	16±0.5	26±0.8	47±1.5	38	5506	57.00	8259	76	11012	260	750
Φ19(3/4")	19±0.5	30±0.8	52±1.5	34.5	4999	51.75	7499	69	9998	300	750
Φ25(1")	25±0.8	36±0.8	59±1.5	27.5	3985	41.25	5977	55	7970	360	750
Φ32(11/4")	32±0.8	44±0.8	69±2.0	20.5	2970	30.75	4456	41	5941	470	750
Φ38(11/2")	38±1.0	50.8±1.0	76±2.0	17	2463	25.50	3695	34	4907	570	750
Φ51(2")	51±1.0	63.8±1.0	91±2.0	17	2463	25.50	3695	34	4927	740	750

Rubber Hose Connecter

Our company mainly produces in line with GB, JB/T, JB/ZQ, JB and other national or industry standards of public British pipe joints and accessories, DIN, UN, NPT, JIC thread standard of all kinds of pipe joints, products and steel wire reinforced hose, cotton wire reinforced hose, metal hose connection. Mainly used in construction machinery, petroleum, chemical coal, metallurgy, construction, machine tools, transportation and other industries. Joint forms are A, B, C, D, E, F, G, H, K, Q, U, V, L, and can be designed according to user requirements, the production of all kinds of special-shaped pipe fittings.

Hose Assembly

The main production in line with GB, GB/T, JB/ZQ, JH/ and other national standards of various joint forms of high school, low pressure steel wire reinforced hose assembly; Armored hose assembly: fiber reinforced hose assembly; Steel flange assembly and various British, American external thread, internal thread hose assembly. Mainly used in construction machinery, petrochemical, coal, metallurgy, construction, machine tools, transportation and other industries.

R-12/AUTOMOBILE AIR CONDITIONING HOSE

FEATURES: Excellent resistance to corrosion of R-12 refrigerant. Durable under high pressure. working well in bad conditions of air conditioning system. The hose is made in conformity with the standard HG/T 2718.

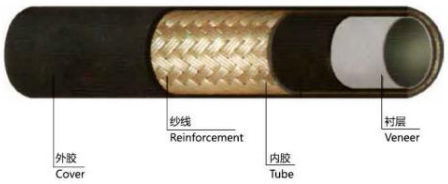
APPLICATIONS: Used as the connecting pipe of automobile air conditioning system and other cooling system. Only suitable for delivering R-12 refrigerant.

STANDARD OF REFERENCE EXECUTIVE: HG/T 2718

TYPE	I.D			O.D		E.P		Min B.P		Min B.R	
Product code number	Internal Diameter of Soft Tube			Outer diameter		Experimental Pressure		Min Bursting Pressure		Min beveling radius	
	Inside diameter	Min	Max	Min	Max						
	in	mm	mm	mm	mm	mm	MPa	Psi	MPa	Psi	mm
3 分管	5/16	8	7.8	8	18.8	19	2.4	350	18	1740	5D
4 分管	13/32	10	10	10.2	22.2	22.3	2.4	350	18	1740	5D
5 分管	1/2	12.7	12.6	13	23	23.3	2.4	350	14	1740	5D
6 分管	5/8	16	15.8	16	15.8	16	2.4	350	14	1740	5D

TYPE E-R-134a/ 4-LAYER AUTOMOBILE AIR CONDITIONING HOSE

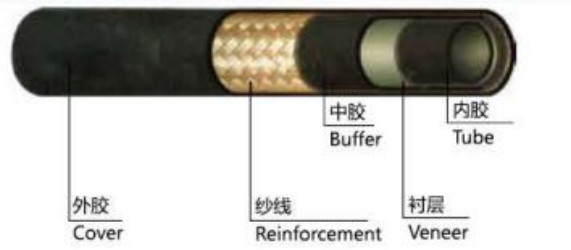
Application media: R134a，R404a
Application temp:-40℃~+135℃
Standard: SAE J2064



No.	Dimension mm	I.D. mm	O.D. mm	Wall mm	Wall Diff Max.mm	Work Pressure Max Mpa	Burst press Min. Mpa	Bend Rad Min. mm
1	8.0	8.2	15.2	3.50	0.4	3.5	23.0	55
2	10.0	10.2	17.2	3.50	0.4	3.5	22.0	65
3	11.5	11.2	18.4	3.60	0.4	3.5	21.0	70
4	13.0	13.2	20.8	3.80	0.4	3.5	24.0	75
5	13.0	13.2	20.8	3.80	0.4	1.5	21.0	75
6	15.5	15.2	22.0	3.80	0.4	1.5	20.0	85
7	19.0	18.5	27.5	4.50	0.4	1.5	12.0	100
8	28.5	28.5	39.7	5.50	0.5	1.5	12.0	180

TYPE C-R-134a 5-LAYER AIR CONDITIONING HOSE (THICK WALL)

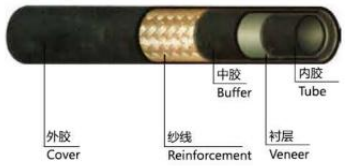
Appliable Standards: SAE J2064 QC/T664
Working temperature :40C~ +135C
Features:134a refrigerant resistant, low permeability, pulse-resistant. Aging resistance, Ozone resistance, shock resistance



No.	Dimension mm	I.D. mm	O.D. mm	Wall mm	Wall Diff Max.mm	Work Pressure Max Mpa	Burst pressure Min. Mpa
C8.0	8.0	8.0±0.4	19.0±0.5	5.5	0.4	3.5	21
C10.0	10.0	10.0±0.4	22.3±0.5	6.1	0.4	3.5	21
C13.0	13.0	13.0±0.4	23.2±0.5	5.1	0.4	3.5	22
C16.0	16.0	16.0±0.4	28.2±0.5	6.1	0.4	3.5	18

TYPE C-R-134a 5-LAYER AIR CONDITIONING HOSE (THIN WALL)

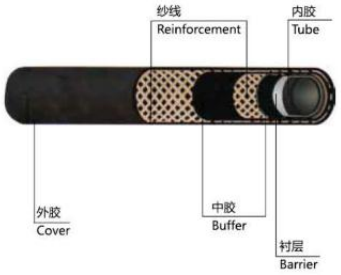
Appliable Standards: SAE J2064 QC/T664
Working temperature :-40℃~+135℃
Features:134a refrigerant resistant, low permeability, pulse-resistant, aging resistance, ozone resistance, shock resistance.



No.	Dimension mm	I.D. mm	O.D. mm	Wall mm	Wall Diff Max.mm	Work Pressure Max Mpa	Burst pressure Min. Mpa
C8.0	8.0	8.0±0.4	15.2±0.5	3.6	0.4	3.5	23
C11.5	11.5	11.5±0.4	18.4±0.5	3.6	0.4	3.5	22
C13.0	13.0	13.0±0.4	21.5±0.5	4.0	0.4	3.5	20
C15.5	15.5	15.5±0.4	23.0±0.5	3.9	0.4	3.5	21

TYPE C-R-134a 6-LAYER AIR CONDITIONING HOSE (THICK WALL)

Appliable Standards: SAE J2064 QC/T664
Working temperature :-40℃~ +135℃
Features:134a refrigerant resistant, low permeability, pulse-resistant. Aging resistance, ozone resistance, shock resistance.



No.	Dimension mm	I.D. mm	O.D. mm	Wall mm	Wall Diff Max.mm	Work Pressure Max Mpa	Burst Pressure Min.Mpa
C8.0	8.0	8.0±0.4	15.2±0.5	3.6	0.4	3.5	23
C11.5	11.5	11.5±0.4	18.4±0.5	3.6	0.4	3.5	22
C13.0	13.0	13.0±0.4	21.5±0.5	4.0	0.4	3.5	20
C15.5	15.5	15.5±0.4	23.0±0.5	3.9	0.4	3.5	21

Corrugated Suction & Discharge Hose

Tube: Black blended rubber
Reinforcement: High tensile textile cords with embedded steel helix wire
Cover: Black corrugated abrasion and weather resistant synthetic blend
Application: water/oil suction and delivery, used in construction industries & agriculture
Temperature: -30°C + 80°C

Hose I.D		Hose O.D	Working Pressure		Burst Pressure	
mm	inch	mm	bar	psi	bar	psi
25	1	34	10	150	30	450
32	1 1/4	42	10	150	30	450
38	1 1/2	48	10	150	30	450
51	2	62	10	150	30	450
64	2 1/2	74	10	150	30	450
76	3	88	10	150	30	450
89	3 1/2	103	10	150	30	450
102	4	116	10	150	30	450
127	5	142	10	150	30	450
152	6	168	10	150	30	450
203	8	223	10	150	30	450
254	10	280	10	150	30	450

LPG Hose

Tube: NBR, black, smooth
Reinforcement: High tensile textile cords
Cover: Orange EPDM/SBR blended, weather and ozone resistant
Application: for the conveyance of liquid gas, home burner system,oil-resistant
Temperature: -40°Cto~+90°C

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.15
8	5/16	15	20	300	60	900	50	0.18
9	23/64	16	20	300	60	900	55	0.20
10	3/8	17	20	300	60	900	60	0.21

Dredging Hose

Tube: Synthetic abrasive resistant rubber with high strength breaker plies coated with high-grade synthetic rubber to achieve maximum adhesion of the lining to the hose carcass.

Reinforcement: Multiple layers of high tensile reinforcing materials with outstanding resistance to fatigue. Fully embedded steel wire coils are incorporated to achieve kink, crush, and local load resistance.

Cover: Synthetic rubber, resistant to abrasion, weathering, seawater, and oil. The cover, which incorporates reinforcing breaker plies is black with a bright orange spiral stripe or coated in a tough bright orange polyurethane.

Temperature: -25℃ to 80℃

Size	I. D.	W.P.	Tube Thickness ≥ mm	Cover Thickness ≥ mm	Length
12inch	300mm	10bar~35bar	10	4	1m~11.8m
16inch	400mm	10bar~35bar	12	5	1m~11.8m
20inch	500mm	10bar~35bar	12	5	1m~11.8m
24inch	600mm	10bar~35bar	20	5	1m~11.8m
26inch	650mm	10bar~35bar	25	5	1m~11.8m
30inch	750mm	10bar~35bar	30	6	1m~11.8m
32inch	800mm	10bar~35bar	32	6	1m~11.8m
34inch	850mm	10bar~35bar	32	6	1m~11.8m

Sandblast Hose

Tube: Black conductive NR, abrasion-resistant
Reinforcement: High tensile textile cords
Cover: Black conductive SBR/NR, abrasion and ozone resistant
Applications: Suitably designed long-lasting heavy-duty hose for use in sand, metal grits and foundry waste with conductive rubber compound to ensure static electricity dissipation abrasion loss of the tube according to ISO 4649: 50+5mm3
Temperature: -30°C + 80°C

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Weight
mm	inch	mm	bar	psi	bar	psi	kg/m
13	1/2	26	10/12	150/180	30/36	450/540	0.63
16	5/8	29	10/12	150/180	30/36	450/540	0.68
19	3/4	32	10/12	150/180	30/36	450/540	0.75
25	1	39	10/12	150/180	30/36	450/540	1.13
32	1 1/4	48	10/12	150/180	30/36	450/540	1.30
38	1 1/2	56	10/12	150/180	30/36	450/540	1.73
45	1 3/4	63	10/12	150/180	30/36	450/540	1.98
51	2	69	10/12	150/180	30/36	450/540	2.20
64	2 1/2	82	10/12	150/180	30/36	450/540	2.70

Smooth Oil / Fuel Hose

Tube: NBR synthetic rubber, black, smooth
Reinforcement: high tensile textile cords
Cover: black Neoprene rubber, smooth, oil, ozone, weather, abrasion resistant
Applications: widely use in fuel systems like gasoline, diesel fuel and oil related industrials, etc.
Temperature: -30°C + 80°C

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.14
8	5/16	15	20	300	60	900	50	0.17
10	3/8	17	20	300	60	900	60	0.21
13	1/2	21	20	300	60	900	70	0.30
16	5/8	25	20	300	60	900	80	0.39
19	3/4	29	20	300	60	900	110	0.51
25	1	36	20	300	60	900	130	0.71

Wrapped Oil / Fuel Hose

Tube: NBR synthetic rubber, black, smooth
Reinforcement: High tensile textile cords
Cover: black Neoprene rubber, wrapped, oil, ozone, weather, abrasion-resistant
Applications: Widely used in fuel systems like gasoline, diesel fuel, and oil-related industrials, etc.
Temperature: -30°C + 80°C

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Minimum Bend Radius	Weight
mm	inch	mm	bar	psi	bar	psi	mm	kg/m
6	1/4	13	20	300	60	900	35	0.17
8	5/16	15	20	300	60	900	50	0.25
10	3/8	17	20	300	60	900	55	0.29
13	1/2	21	20	300	60	900	60	0.42
16	5/8	24	20	300	60	900	80	0.48
19	3/4	29	20	300	60	900	110	0.60
25	1	35	20	300	60	900	130	0.83
32	1 1/4	44	20	300	60	900	230	0.94
38	1 1/2	50	20	300	60	900	270	1.08
51	2	65	20	300	60	900	400	1.80

Suction & Discharge Oil Hose

Tube: Black synthetic rubber
Reinforcement: Plies of synthetic cords with helix wire and cross anti-static copper wire
Cover: Black synthetic rubber, wrapped type, abrasion, and weather-resistant
Temperature: -30℃~+80℃
Application: Mandrel built heavy-duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content up to 50% from tank truck, in dispensing station etc, during winter/summer seasons and withstands full vacuum.

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Weight
mm	inch	mm	bar	psi	bar	psi	kg/m
25	1	35	10	150	30	450	0.80
32	1 1/4	42	10	150	30	450	0.95
38	1 1/2	48	10	150	30	450	1.15
51	2	61	10	150	30	450	1.50
64	2 1/2	75	10	150	30	450	1.95
76	3	88	10	150	30	450	2.40
89	3 1/2	102	10	150	30	450	2.90
102	4	114	10	150	30	450	3.30
127	5	141	10	150	30	450	5.20
152	6	166	10	150	30	450	6.70
203	8	221	10	150	30	450	11.20
254	10	272	10	150	30	450	15.80

Suction & Discharge Water Hose

Tube: Black synthetic rubber
Reinforcement: Plies of synthetic cords with helix wire
Cover: Black synthetic rubber, wrapped type, abrasion, and weather-resistant
Temperature: –30℃~+80℃
Application: Mandrel built heavy-duty suction and discharge hose for the handling of water, inert fluid, sewerage, and waste water, where optimum flexibility is required.

Hose I.D		Hose O.D	Working Pressure		Burst Pressure		Weight
mm	inch	mm	bar	psi	bar	psi	kg/m
25	1	35	10	150	30	450	0.80
32	1 1/4	42	10	150	30	450	0.95
38	1 1/2	48	10	150	30	450	1.15
51	2	61	10	150	30	450	1.50
64	2 1/2	75	10	150	30	450	1.95
76	3	88	10	150	30	450	2.40
89	3 1/2	102	10	150	30	450	2.90
102	4	114	10	150	30	450	3.30
127	5	141	10	150	30	450	5.20
152	6	166	10	150	30	450	6.70
203	8	221	10	150	30	450	11.20
254	10	272	10	150	30	450	15.80

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