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服务
SERVICE

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油研科技（广州）有限公司

YUKEN TECHNOLOGY(GUANGZHOU)CO.,LIMITED

技术实力
TECHNICAL
STRENGTH

美标液压
软管
SAE STANDARD

一层钢丝编织液压软管 DIN EN 853 1SN/SAE 100R1AT

One wire braid hydraulic hose

产品结构

内 胶 层：丁腈橡胶
增 强 层：一层高强度钢丝编织层
外 胶 层：合成橡胶
适用介质：石油基和水乙二醇液压油、润滑油、乳
化液、空气和水，可在 -40℃ ~+100℃
使用。
特 性：用耐油和耐气候良好的特种橡胶制造，采
用镀铜钢丝增强，外观为黑色布纹或黑色
光面。软管执行 SAE 100 R1AT 标准。

construction

Inner tube: NBR
Reinforcement: one high tensile steel wire braid
Cover: Synthetic rubber
Application: for delivery of petroleum based and water glycol
hydraulic oil, lubricating oil, emulsion, air and water. The
working temperature range is -40 C ~+100 C .
Feature: made of excellent oil resistant and anti-aging rubber.
The reinforcement is braided with brass plated wire. Black
wrapped cover, the sizes from DN6 to DN25 can do smooth
cover.



Cloth



Smooth



Engraving

软管内径 I.D			增强层外径 W.D		软管外径 O.D		最大工作压力 W.P		最小爆破压力 B.P		最小弯曲 半径 Min. B.R	重量 WEIGHT
DN	inch	mm	mm	mm	mm	mm	BAR	PSI	BAR	PSI	mm	Kg/m
05	3/16	5.0	9.4	11.4	250	3625.0	1000	14500	90	0.18		
06	1/4	6.3	11.0	13.0	225	3263.0	900	13050	100	0.21		
08	5/16	7.9	12.8	15.0	215	3118.0	850	12325	115	0.25		
10	3/8	9.5	14.8	17.0	180	2610.0	720	10440	130	0.35		
13	1/2	12.7	18.0	20.2	160	2320.0	640	9280	180	0.43		
16	5/8	15.9	21.3	23.8	130	1885.0	520	7540	200	0.54		
19	3/4	19.1	25.0	27.8	105	1523.0	420	6090	240	0.68		
25	1	25.4	32.5	35.5	88	1276.0	350	5075	300	0.93		
32	1 1/4	31.8	41.3	44.0	63	914.0	250	3625	420	1.3		
38	1 1/2	38.1	47.7	50.5	50	725.0	200	2900	500	1.5		
51	2	50.8	60.4	63.5	40	580.0	160	2320	630	2		

二层钢丝编织液压软管 DIN EN 853 2SN/SAE 100R2AT

Two wire braid hydraulic hose

产品结构

内 胶 层：丁腈橡胶
增 强 层：二层高强度钢丝编织层
外 胶 层：合成橡胶
适用介质：石油基和水乙二醇液压油、润滑油、乳化液、空气和水，
可在 -40℃ ~+100℃使用。
特 性：用耐油和耐气候良好的特种橡胶制造，采用镀铜钢丝
增强，外观为黑色布纹或黑色光面。软管执行 SAE
100 R2AT 标准。

construction

Inner tube: NBR
Reinforcement: two high tensile steel wire braid
Cover: Synthetic rubber
Application: for delivery of petroleum based and water glycol hydraulic oil,
lubricating oil, emulsion, air and water. The working temperature range is
-40 C ~+100 C .
Feature: made of excellent oil resistant and anti-aging rubber. The reinforcement
is braided with brass plated wire. Black wrapped cover, the sizes from DN6 to
DN25 can do smooth cover.



Cloth



Smooth



Engraving

软管内径 I.D			增强层外径 W.D		软管外径 O.D		最大工作压力 W.P		最小爆破压力 B.P		最小弯曲 半径 Min. B.R	重量 WEIGHT
DN	inch	mm	mm	mm	mm	mm	BAR	PSI	BAR	PSI	mm	Kg/m
05	3/16	5.0	10.9	13.0	415	6018	1650	23925	90	0.30		
06	1/4	6.3	12.7	14.8	400	5800	1600	23200	100	0.35		
08	5/16	7.9	14.5	16.7	350	5075	1400	20300	115	0.45		
10	3/8	9.5	16.5	18.7	330	4785	1320	19140	130	0.53		
13	1/2	12.7	19.7	22.0	275	3988	1100	15950	180	0.66		
16	5/8	15.9	23.0	25.4	250	3625	1000	14500	200	0.79		
19	3/4	19.1	26.8	29.4	215	3118	850	12325	240	0.98		
25	1	25.4	34.3	37.5	165	2393	650	9425	300	1.28		
32	1 1/4	31.8	43.2	46.0	125	1813	500	7250	420	1.85		
38	1 1/2	38.1	49.6	52.5	90	1305	360	5220	500	2.30		
51	2	50.8	62.3	65.5	80	1160	320	4640	630	2.60		

美标液压
软管
SAE STANDARD

四层钢丝缠绕液压软管 DIN EN 856 4SP

wire spiral hydraulic hose

产品结构

- 内 胶 层：丁腈橡胶
- 增 强 层：四层高强度钢丝缠绕层
- 外 胶 层：合成橡胶
- 适用介质：石油基和水乙二醇液压油、润滑油、乳
化液、空气和水，可在 -40℃ ~+121℃
使用。
- 特 性：用耐油和耐候良好的特种橡胶制造，采
用镀铜钢丝增强，外观为黑色布纹。软管
执行 SAE 100 R12 标准。

construction

Inner tube: NBR
Reinforcement: four high tensile steel spiral
Cover: Synthetic rubber
Application: for delivery of petroleum based and water glycol
hydraulic oil, lubricating oil, emulsion, air and water. The
working temperature range is -40℃ ~+121℃ .
Feature: made of excellent oil resistant and anti-aging rubber.
The reinforcement is spiraled with brass plated wire. Black
wrapped cover.



型号	软管内径 I.D			增强层内径 W.R	软管外径 O.D	最大工作压力 W.P		最小爆破压力 B.P		弯曲半径 B.R	重量
type	DN	inch	mm	mm	mm	MPA	PSI	MPA	PSI	mm	Kg/m
4SP-10	10	3/8	10.0	19.2	22.8	70	10150.0	280.0	40600.0	180	0.86
4SP-13	13	1/2	13.0	22.4	26.0	60	8700.0	240.0	34800.0	230	1.17
4SP-16	16	5/8	16.0	25.8	29.4	50	7250.0	200.0	29000.0	250	1.38
4SP-19	19	3/4	19.0	30.2	33.8	46	6670.0	184.0	26680.0	300	1.71
4SP-25	25	1	25.4	36.5	40.5	35	5075.0	140.0	20300.0	340	2.15
4SP-32	32	1 1/4	31.8	43.9	47.8	32	4640.0	128.0	18560.0	460	2.66
4SP-38	38	1 1/2	38.1	50.4	54.5	25	3625.0	100.0	14500.0	560	3.13
4SP-51	51	2	51.1	63.0	67.5	20	2900.0	80.0	11600.0	660	4.26
4SP-63	63	2 1/2	63.4	76.8	81.5	16.5	2392.5	66.0	9570.0	760	6.03
4SP-76	76	3	76.3	91.6	97.0	16.5	2392.5	66.0	9570.0	860	8.09

多层钢丝缠绕液压软管 DIN EN 856 4SH 6SH/SAE 100R15

wire spiral hydraulic hose

产品结构

- 内 胶 层：丁腈橡胶
- 增 强 层：四层或六层高强度钢丝缠绕层
- 外 胶 层：合成橡胶
- 适用介质：石油基和水乙二醇液压油、润滑油、乳
化液、空气和水，可在 -40℃ ~+121℃
使用。
- 特 性：用耐油和耐候良好的特种橡胶制造，
采用镀铜钢丝增强，外观为黑色布纹。
软管执行 SAE 100 R15 标准。

construction

Inner tube: NBR
Reinforcement: Four or six high tensile steel spiral
Cover: Synthetic rubber
Application: for delivery of petroleum based and water glycol
hydraulic oil, lubricating oil, emulsion, air and water. The
working temperature range is -40℃ ~+121℃ .
Feature: made of excellent oil resistant and anti-aging rubber.
The reinforcement is spiraled with brass plated wire. Black
wrapped cover.



	软管内径 I.D		增强层 内径 W.R	软管外径 O.D	最大工作压力 W.P		最小爆破压力 B.P		弯曲半径 B.R	重量
DN	inch	mm	mm	mm	BAR	PSI	MPA	PSI	mm	Kg/m
19	3/4	19.1	28.7	32.0	420	6090	1680	24360	267	1.85
25	1	25.4	35.8	39.0	420	6090	1680	24360	300	2.90
32	1 1/4	31.8	47.8	50.8	420	6090	1680	24360	420	4.20
38	1 1/2	38.1	54.8	58.0	420	6090	1680	24360	500	5.60
51	2	51.1	66.6	71.0	420	6090	1680	24360	630	6.77

美标液压
软管
SAE STANDARD

小型高压 I 和 II 层钢丝编织液压软管 **DIN EN 857 SC/SAE 100R16**

Wire braid hydraulic hose

产品结构

内 胶 层：丁腈橡胶

增 强 层：一层或二层高强度钢丝编织层

外 胶 层：合成橡胶

适用介质：石油基和水乙二醇液压油、润滑油、乳化液、空气和水，可在 -40℃ ~+100℃使用。

特 性：用耐油和耐气候良好的特种橡胶制造，采用镀铜钢丝增强，外观为黑色布纹或黑色光面。软管执行 SAE100 R17 标准。

construction

Inner tube: NBR

Reinforcement: one or two high tensile steel wire braid

Cover: Synthetic rubber

Application: for delivery of petroleum based and water glycol hydraulic oil, lubricating oil, emulsion, air and water. The working temperature range is -40 C ~+121 C .

Feature: made of excellent oil resistant and anti-aging rubber. The reinforcement is braided with brass plated wire. Black wrapped cover, the sizes from DN6 to DN25 can do smooth cover.



一层棉线编织软管 **SAE 100R6**

One fiber braid rubber hose

产品结构

内 胶 层：丁腈橡胶

增 强 层：一层高强度棉线编织层

外 胶 层：合成橡胶

适用介质：石油基和水乙二醇液压油、润滑油、乳化液、空气和水，可在 -40℃ ~+100℃使用。

特 性：用耐油和耐气候良好的特种橡胶制造，采用高强度纤维线增强，外观为黑色布纹或黑色光面。软管执行 SAE100 R6 标准。

construction

Inner tube: NBR

Reinforcement: one fiber braids of suitable fiber

Cover: Synthetic rubber

Application: for delivery of petroleum based and water glycol hydraulic oil, lubricating oil, emulsion, air and water. The working temperature range is -40 C ~+100 C .

Feature: made of excellent oil resistant and anti-aging rubber. The reinforcement is braided with high tensile fiber. Black wrapped cover, the sizes from DN6 to DN25 can do smooth cover.



Code	Size		Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & Fitting Code		
														
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m	Codigo	Codigo
1SC04	1SC-04	6.4	1/4"	6.2-7.0	13.5 MAX.	225	3263	900	13050	75	0.190	50/100	xxxx1-xx04	00110C-04
1SC05	1SC-05	7.9	5/16"	7.7-8.5	14.5 MAX.	215	3118	860	12470	85	0.220	50/100	xxxx1-xx05	00110C-05
1SC06	1SC-06	9.5	3/8"	9.3-10.1	16.9 MAX.	180	2610	720	10440	90	0.250	50/100	xxxx1-xx06	00110C-06
1SC08	1SC-08	12.7	1/2"	12.3-13.5	20.4 MAX.	160	2320	640	9280	130	0.350	50/100	xxxx1-xx08	00110C-08
1SC10	1SC-10	15.9	5/8"	15.5-16.7	23 MAX.	130	1885	520	7540	150	0.450	50/100	xxxx1-xx10	00110C-10
1SC12	1SC-12	19.1	3/4"	18.6-19.8	26.7 MAX.	105	1523	420	6090	180	0.500	50/100	xxxx1-xx12	00110C-12
1SC16	1SC-16	25.4	1"	25.0-26.4	34.9 MAX.	88	1276	352	5104	230	0.750	50/100	xxxx1-xx16	00110C-16

Code	Size			Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & Fitting Code	
														
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m	Codigo	Codigo
2SC04	2SC-04	6.4	1/4"	6.2-7.0	14.2 MAX.	400	5800	1600	23200	75	0.290	50/100	xxxx1-xx04	00210C-04
2SC05	2SC-05	7.9	5/16"	7.7-8.5	16.0 MAX.	350	5075	1400	20300	85	0.330	50/100	xxxx1-xx05	00210C-05
2SC06	2SC-06	9.5	3/8"	9.3-10.1	18.3 MAX.	330	4785	1320	19140	90	0.420	50/100	xxxx1-xx06	00210C-06
2SC08	2SC-08	12.7	1/2"	12.3-13.5	21.5 MAX.	275	3988	1100	15950	130	0.550	50/100	xxxx1-xx08	00210C-08
2SC10	2SC-10	15.9	5/8"	15.5-16.7	24.7 MAX.	250	3625	1000	14500	170	0.650	50/100	xxxx1-xx10	00210C-10
2SC12	2SC-12	19.1	3/4"	18.6-19.8	28.6 MAX.	215	3118	860	12470	200	0.790	50/100	xxxx1-xx12	00210C-12
2SC16	2SC-16	25.4	1"	25.0-26.4	36.6 MAX.	165	2393	660	9570	250	1.180	50/100	xxxx1-xx16	00210C-16

软管内径 I.D			增强层外径 W.D	软管外径 O.D	最大工作压力 W.P		最小爆破压力 B.P		最小弯曲半径 Min. B.R	重量 WEIGHT
DN	inch	mm	mm	mm	BAR	PSI	BAR	PSI	mm	Kg/m
06	1/4	6.3	10.0	12.2	28	406	112	1624	65	0.13
08	5/16	7.9	12.2	14.3	28	406	112	1624	75	0.15
10	3/8	9.5	13.8	16.0	28	406	112	1624	75	0.18
13	1/2	12.7	17.3	19.5	28	406	112	1624	100	0.26
16	5/8	15.9	20.4	22.7	24	348	96	1392	125	0.31
19	3/4	19.1	24.4	26.7	21	305	84	1218	150	0.40

美标液压
软管
SAE STANDARD

一层钢丝编织高压水管 **PRESSURE JET WASHING HOSE 1W**

HIGH PRESSURE WIRE BRAID WASH HOSE

产品结构

内胶层：合成橡胶

增强层：一层高强度钢丝编织层

外胶层：耐磨耐气候橡胶

外观为黑色布纹、DN25 及以下规格可提供光面

construction

One wire braided wash hose

Inner tube: Synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Abrasion and weather resistant synthetic rubber

Cover color: Blue or Black



软管内径 InsideDiameter		增强层直径 Reinforcement Diameter	软管外径 Outside Diameter	最大工作压力 Working Pressure	爆破压力 BurstPressure	弯曲半径 Bend Radius	重量 Weight
inch	mm	mm	mm	Bar	Bar	mm	KG/m
1/4	6.4	11.1	13.1	250	1000	100	0.21
5/16	7.9	12.7	14.7	250	1000	110	0.26
3/8	9.5	15.1	17.1	250	1000	120	0.36
1/2	12.7	18.3	20.4	210	840	160	0.45

二层钢丝编织高压水管 **PRESSURE JET WASHING HOSE 2W**

HIGH PRESSURE WIRE BRAID WASH HOSE

产品结构

内胶层：合成橡胶

增强层：二层高强度钢丝编织层

外胶层：耐磨耐气候橡胶

外观为黑色布纹、DN25 及以下规格可提供光面

construction

Two wire braided wash hose

Inner tube: Synthetic rubber

Reinforcement: Two high tensile steel wire braid

Cover: Abrasion and weather resistant synthetic rubber

Cover color: Blue or Black



软管内径 Inside Diameter		增强层直径 Reinforcement Diameter	软管外径 Outside Diameter	最大工作压力 Working Pressure	爆破压力 Burst Pressure	弯曲半径 Bend Radius	重量 Weight
inch	mm	mm	mm	Bar	Bar	mm	KG/m
1/4	6.4	12.7	14.7	400	1600	100	0.37
5/16	7.9	14.3	16.3	400	1600	110	0.435
3/8	9.5	16.7	18.7	400	1600	120	0.556
1/2	12.7	19.8	21.9	300	1200	160	0.645

美标液压
软管
SAE STANDARD

SAE R4 ONE WIRE S/D HOSE

(Wire spiral Hydraulic suction and discharge hose)

- ◆ CONSTRUCTION:
Tube: High-strength synthetic rubber.
Reinforcement: One ply or multi plies of high-strength textile with a suitable spiral of steel wire.
Cover: Anti-abrasive synthetic rubber, resistant to oils, fuels and atmospheric conditions.
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 120° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved



Code	Size			Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m
R412	R4-12	19.1	3/4"	19±0.4	34.4±0.4	21.0	305	63.0	914	120	0.990	60
R416	R4-16	25.4	1"	25±0.4	40.4±0.4	17.0	247	51.0	740	145	1.210	60
R420	R4-20	31.8	1-1/4"	32±0.4	49.0±0.4	14.0	203	42.0	609	195	1.680	60
R424	R4-24	38.1	1-1/2"	38±0.4	55.0±0.4	10.5	152	31.5	457	228	1.930	60
R432	R4-32	50.8	2"	51±0.4	68.0±0.4	7.0	102	21.0	305	300	2.470	60
R440	R4-40	64.0	2-1/2"	64±0.4	81.6±0.4	4.0	58	12.0	174	355	3.170	60
R448	R4-48	76.0	3"	76±0.4	94.4±0.4	4.0	58	12.0	174	455	4.030	60
R464	R4-64	102.0	4"	102±0.4	120.2±0.4	4.0	58	12.0	174	610	5.440	60

WATER/OIL SUNCTION AND DISCHARGE HOSE

(Wire spiral Hydraulic suction and discharge hose)

APPLICATION: Used to convey water and the general neutral liquid at normal temperature in mining, factory, agriculture and civil engineering construction.
TEMPERATURE: -20℃ to +80℃
TUBE: Black, smooth,NR and SBR
REINFORCEMENT: High strength synthetic cord and steel helix wire.
COVER: Black or colourful,wrapped,zone resistant and weather resistant ,NR,SBR,EPDM.

油研吸排管

WMH 250 泥水混合物吸入/排放用管 250PSI



用 途：工矿项目中，泥水混合物，吸入排放用管
内 层：黑色光滑合成橡胶
加 强 层：多层高强度合成织物和双螺旋钢丝
外 层：黑色布面聚合橡胶，耐侵蚀耐磨损
温度范围：-20℃到+80℃
管 长：60米，其他长度可按要求提供
字 样：YUKEN® WMH250- WATER MUD SUCTION/ DELIVERY HOSE 250PSI

YUKEN® WMH250-0200 WATER MUD SUCTION/DELIVERY HOSE 250PSI

产品型号	软管内径		软管外径		工作压力		爆破压力		重量		弯曲半径
PART NO.	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm
WMH250-0200	51	2	65	2-9/16	17	250	51	750	1.8	1.23	210
WMH250-0250	63	2-1/2	80	3-3/16	17	250	51	750	2.65	1.73	260
WMH250-0300	76	3	93	3-21/32	17	250	51	750	2.87	1.97	310
WMH250-0400	102	4	120	4-47/64	17	250	51	750	4.86	3.33	450
WMH250-0500	127	5	149	5-7/8	17	250	51	750	6.60	4.43	580
WMH250-0600	152	6	174	6-15/16	17	250	51	174	7.80	5.24	700

美标液压
软管
SAE STANDARD

SAE R5 HIGH TERMPRETURE HOSE

MAIN FEATURES 主要性能

耐高温高压，耐油，耐臭氧，耐老化，使用寿命长，适用于恶劣工作环境。

Large temperature range, strong oil resistance and high resistance to aging, excellent performance in adverse weather.

执行标准：符合/超越SAE J517 100R5

结构：软管由耐油、耐热合成橡胶内胶层、1层钢丝编织增强层、外层耐热蓝色纤维层组成。

通过认证：MSHA IC-330/1, ISO9001, IATF16949认证证书。

包装方式：可根据客户需求，定制纸箱、木桶、塑胶轮等多种包装方式。

用途：适用于石油基或水基液压流体。

温度范围：-55℃~+135℃（空气：+100℃，水：+85℃）

最高温度：（间歇工作）+150℃

Application: Suitable for water and petroleum-based hydraulic fluids.

Temperature range: -55℃~+135℃ (Air: +100℃, Water: +85℃).

Max Temperature: (Intermittent) +150℃

Meet/Exceed the Standard: SAE J517 100R5

Construction: The hose consists of oil & temperature resistant synthetic rubber for inner tube, one layer of high tensile steel wire braided reinforcement, and one layer of blue textile braid with high temperature resistance cover.

Certificate: MSHA IC-330/1, ISO9001, IATF16949, etc.

Packaging: Carton cases, plastic or wooden reels, etc.

注：客户如需极限类型的其它标准液压软管，可与销售代表咨询。

NOTE: If the customer need any other type extreme series hydraulic hose, please contact our sales.



Part No. 零件号	I.D. 软管内径		O.D. 软管外径	bar MAX W.P. 最大工作压力		MIN B.P. 最小爆破压力		MIN B.R. 最小弯曲半径	kg WEIGHT 参考重量
	inch	mm		Mpa	psi	Mpa	psi		
R5-03	3/16"	4.8	11.9	21.0	3045	84	12180	75	0.23
R5-04	1/4"	6.4	13.2	21.0	3045	84	12180	85	0.28
R5-05	5/16"	7.9	14.8	15.7	2277	63	9106	100	0.36
R5-06	3/8"	9.5	17.2	14.0	2030	56	8120	115	0.44
R5-08	1/2"	12.7	20.4	12.2	1769	49	7076	140	0.60
R5-10	5/8"	15.9	23.8	10.5	1523	42	6090	165	0.77
R5-12	3/4"	19.0	28.0	7.0	1015	28	3897	174	0.73
R5-14	7/8"	22.2	31	5.6	812	22	3248	185	0.71
R5-16	1"	25.4	32.7	5.6	812	17	2494	230	0.70
R5-20	1-1/4"	31.8	41.7	5.0	725	14	2030	265	0.85
R5-24	1-1/2"	38.1	48.7	4.0	580	10	1392	335	1.20
R5-32	2"	50.8	61.4	3.5	508	14	2030	265	1.5

HIGH TERMPRETURE STEAM HOSE

红色高温蒸汽管 +155℃（间歇瞬间 210℃）
STEAM HOSE 1SW

相关标准：
BS 5342 Type-2 EXCEEDS IS 10655

应用领域：

使用合成橡胶，采取整体连续挤出工艺，无断点，厚度均匀。

增强结构：
一层高强度纤维编织。

外胶材质：
使用红色耐高温的合成橡胶，该材质耐温，耐油、燃料油、耐天候（臭氧与紫外线）性能优异。

接头选型：
套筒使用 DME 品牌 DPF2T •
内芯棒使用 DPX1XX 系列（X 参数可选） •
认证：MSHA & BV & GOST & IATF 16949 •
& ISO 9001 & ISO 14001 & ISO 45001 •
& DAKKS & SGS & MA & DEKRA Approved

工作压力：
20 Bar / 290 PSI

工作温度：
• 从 -40℃ 到 +155℃（间歇瞬间 210℃）
• 从 -40 到 +125℃（水基质流体）
• 从 0 到 +70℃（热空气）
• 在极端温度下长时间操作会降低软管使用寿命。

输送介质：
适用于矿物油和合成油基质的液体（HL,HLP,HLPD,HVLP），水基质乳化剂（HFAE,HFAS,HFB）和水乙二醇溶剂（HFC），以及植物油和矿物油的润滑剂。
不适用于氧化碳氢化合物以及磷酸酯的液体（HFD-R/S/T）。（通常情况生物可降解的液体类物质也可以使用该产品，但是由于液体制造厂家特殊的添加材料而受到部分限制。）

#	软管规格	软管内径	增强层外径	软管外径	工作压力	爆破压力	弯曲半径	每米重量	每件长度
产品代码	DN mm inch	mm	mm	mm	bar psi	bar psi	mm	kgs/m	meter
713101-10	-06 9.5 3/8"	9.3-10.1	14.5-15.7	18.1 最大值	20 290	80 1160	130	0.390	50/100
713101-12	-08 12.7 1/2"	12.3-13.5	17.5-19.1	21.4 最大值	20 290	80 1160	180	0.472	50/100
713101-16	-10 16.0 5/8"	15.5-16.7	20.6-22.2	24.5 最大值	20 290	80 1160	200	0.581	50/100
713101-19	-12 19.0 3/4"	18.6-19.8	24.6-26.2	28.5 最大值	20 290	80 1160	240	0.690	50/100
713101-25	-16 25.4 1"	25.0-26.4	32.5-34.1	36.6 最大值	20 290	80 1160	300	0.830	50/100
713101-32	-20 31.8 1-1/4"	31.4-33.0	39.3-41.7	44.8 最大值	20 290	80 1160	420	1.325	20/40
713101-38	-24 38.1 1-1/2"	37.7-39.3	45.6-48.0	52.1 最大值	20 290	80 1160	500	1.500	20/40
713101-51	-32 50.8 2"	50.4-52.0	58.7-61.7	65.5 最大值	20 290	80 1160	630	1.875	20/40

字标（印字，喷码）

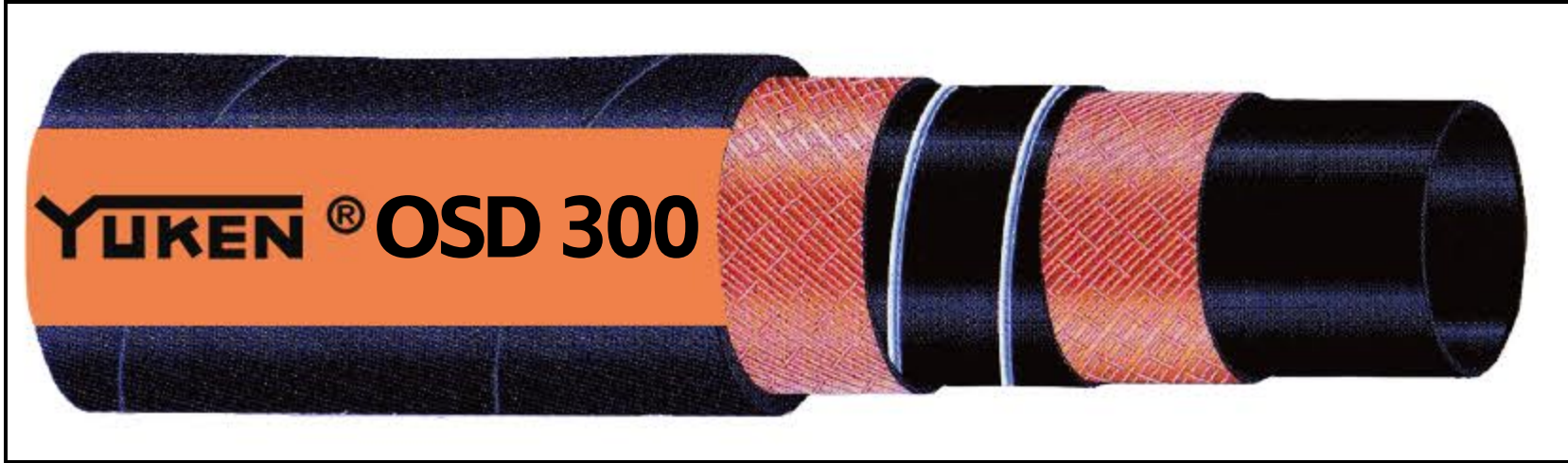
外观类型：
布纹，光面

包装类型：
卷，托盘，卷轴 / 滚筒

管体颜色：
● 红色

油研OSD 300吸送油管

OSD 300 吸收油管 300PSI



用 途：油罐车用油吸入排放管;耐真空;用于各种石油产品。芳香族化合物含量可高达50%

内 层：NBR 高耐油丁晴橡胶

增 强 层：高强度聚酯帘子线+双螺旋钢丝

外 层：NBR+CR 丁晴橡胶+氯丁橡胶（ 耐磨）

工作温度：-40℃到+80℃

管 长：60米，其他长度可按需求提供

字 样：YUKEN® OSD300- MULTIPURPOSE SUCTION & DELIVERY HOSE (OIL-WATER-AIR-R4)

YUKEN® OSD300-0200		MULTIPURPOSE SUCTION & DELIVERY HOSE (OIL-WATER-AIR-R4) 2" - WP 20 BAR/300 PSI - BP 60BAR/900 PSI						WARNING Use of Damaged Hose or Improper Use may Result in Bodily Injury or Property Damage			
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产品型号	软管内径		软管外径		工作压力		爆破压力		重量		弯曲半径
PART NO.	mm	inch	mm	inch	bar	psi	bar	psi	kg/m	lbs/ft	mm
OSD300-0075	19	3/4	30	1-3/16	20	300	60	900	0.83	0.56	60
OSD300-0100	25	1	37	1-7/16	20	300	60	900	1.02	0.68	100
OSD300-0125	32	1-1/4	44	1-9/16	20	300	60	900	1.22	0.82	150
OSD300-0150	38	1-1/2	49	1-13/16	20	300	60	900	1.41	0.95	200
OSD300-0200	51	2	64	2-13/25	20	300	60	900	2.01	1.35	300
OSD300-0250	64	2-1/2	77	3-1/32	20	300	60	900	2.96	1.99	350
OSD300-0300	76	3	90	3-7/16	20	300	60	900	3.47	2.33	450
OSD300-0400	102	4	118	4-5/8	20	300	60	900	5.41	3.64	550
OSD300-0500	127	5	147	5-25/32	20	300	60	900	7.81	5.25	600
OSD300-0600	152	6	172	6-25/32	20	300	60	900	9.26	6.22	650

美标液压
软管
SAE STANDARD

HIGH TERMPRETURE BLUE HOSE

Blue Color Mose with
high temperature 150℃
High temperature hydraulic oil
resistant special hose

【BS EN 1829-2】 【BS EN14654】
【ISO 19385】 【NF P16-15-1】



为您提供一站式液压解决方案
Professional for Hydraulic One-Station Solution

Blue Color Mose with high temperature 150
High temperature hydraulic oil resistant special hose

【BS EN 1829-2】 【BS EN14654】
【ISO 19385】 【NF P16-15-1】



APPLICATIONS:



Internal hose	Synthetic rubber, extruded whole without joints, of uniform thickness.
Covering	Blue color . Anti-abrasive synthetic rubber, resistant to oils, fuels and atmospheric conditions.
Reinforcement	1 high strength steel wire braid. Impulse Times ≥ 200,000Times
Impulse Times	≥ 200,000Times
Working Pressure	40 Bar-250 Bar / 580Psi ~3625 Psi
Operating temperature	From -40 to +135°C (intermittent 150°C).
Recommended fluid	Mineral and biological oils, glycol-water based, water, lubricants.
Fittings type	1. FERRULE: No-skive Type DP-2T ; 2. Insert: DP-1XX (X: Can choose)

#														
PART NUMBER	HOSE SIZES			ID	BRAID	OD	OPERATING PRESSURE		BURST PRESSURE		BEND RADIUS	WEIGHT	LENGTH PER PCS	
ID	DN	MM	INCH	MM	MM	MM	BAR	PSI	BAR	PSI	MM	KGS/M	FOOT	
212101-5	-03	4.8	3/16"	4.6-5.4	9.0-10.0	12.5MAX	250	3625	1000	14500	90	0.240	50or100	
212101-6	-04	6.4	1/4"	6.2-7.0	10.6-11.6	14.1MAX	225	3262.5	900	13050	100	0.255	50or100	
212101-8	-05	8.0	5/16"	7.7-8.5	12.1-13.3	15.7MAX	215	3117.5	860	12470	115	0.304	50or100	
212101-10	-06	9.5	3/8"	9.3-10.1	14.5-15.7	18.1MAX	180	2610	720	10440	130	0.390	50or100	
212101-12	-08	12.7	1/2"	12.3-13.5	17.5-19.1	21.4MAX	160	2320	640	9280	180	0.472	50or100	
212101-16	-10	16.0	5/8"	15.5-16.7	20.6-22.2	24.5MAX	130	1885	520	7540	200	0.581	50or100	
212101-19	-12	19.0	3/4"	18.6-19.8	24.6-26.2	28.5MAX	105	1522.5	420	6090	240	0.690	50or100	
212101-25	-16	25.4	1"	25.0-26.4	32.5-34.1	36.6MAX	88	1276	352	5104	300	0.830	50or100	
212101-32	-20	31.8	1.1/4"	31.4-33.0	39.3-41.7	44.8MAX	63	913.5	252	3654	420	1.325	20or40	
212101-38	-24	38.1	1.1/2"	37.7-39.3	45.6-48.0	52.1MAX	50	725	200	2900	500	1.500	20or40	
212101-51	-32	50.8	2"	50.4-52.0	58.7-61.7	65.5MAX	40	580	160	2320	630	1.875	20or40	

Outward appearance	☒ Blue	Layline/Brandings/Logo Type	☐ P Printing ☐ I Ink ☐ E Embossed
Cover Type	☐ W Wrapped	Packing Type	☐ R Roll ☐ PA Pallet ☐ R Reel

Marking	YUKEN® HIGH TEMP. MAX 150°C / ISO 18752 1BC / Exclud DIN EN853 1SN / SAE R1AT
Applicable Specs	• BS EN 1829-2 • BS EN14654 • NF P16-15-1 • ISO 19385 • ISO 1436 • ISO 1307 • TS6387 1SN • EN1804-3 • ISO6805 / EN13463-1

美标液压
软管
SAE STANDARD

燃油管 OIL HOSE

FUEL HOSE

产品结构

内 胶 层：丁腈橡胶（NBR）
增 强 层：一层高强度钢丝编织层
外 胶 层：耐油外胶
适用介质：适用于输送燃料油或助剂

construction

Tube:NBR
Reinforcement :one high tensile steel wire braid
Cover:synthetic rubber
Applicable:Hose range suitable to carry hydraulic fluids
such as gas,oil,diesel,etc



FUEL OIL HOSE (Smooth surface)

CONSTRUCTION:

- ◆ Tube: NR & SBR synthetic rubber, black color.
Reinforcement:1ply or 2ply high tensile polyester thread braiding
Cover: NR & SBR synthetic rubber,smooth or wrapped surface, black,yellow,red available
- ◆ **TEMPERATURE:** -32°C to +82°C.
- ◆ **APPLICATION:**
Mainly used for conveying of air, inert gas and water in mining, construction,
engineering, shipbuilding, steel production etc.

Code	Inside Diameter		Outside Diameter	Working Pressure		Bursting Pressure		Weight	Length
#	Inch	mm	mm	bar	psi	bar	psi	kgs/m	m
RFS-05	3/16"	5	12.0	20	300	60	900	\	100
RFS-06	1/4"	6	13.0	20	300	60	900	0.167	100
RFS-08	5/16"	8	15.0	20	300	60	900	0.220	100
RFS-10	3/8"	10	17.0	20	300	60	900	0.270	100
RFS-13	1/2"	13	22.0	20	300	60	900	0.370	100
RFS-16	5/8"	16	25.0	20	300	60	900	0.500	100
RFS-19	3/4"	19	29.0	20	300	60	900	0.650	100
RFS-25	1"	25	36.0	20	300	60	900	0.850	50
RFS-32	1-1/4"	32	43.0	10	150	30	450	\	50

聚四氟乙烯管 PTFE HOSE SAE R14

PTFE HOSE

产品结构

内 胶 层：PTFE
增 强 层：不锈钢钢丝
工作温度：-60°C ~ +260°C

construction

Inner tube: PTFE smooth-bore or convoluted tube
Reinforcement: stainless steel wire braid
Working Temp: -60 C up to +260 C
Applications: Aerospace & transportation technology Electrics
components &insulators Chemical &pharmaceutical manufacturing Food
processing, environmentalsciences, air sampling Fluid transfer devices
and water processing system



A:Teflon



B:Teflon bellows

软管内径 Inside Diameter		内径 x 外径 I.DXO.D	最大工作压力 Working Pressure		爆破压力 Burst Pressure		最小爆破压力 Min Burst Pressure	重量 Weight
inch	mm	mm	Bar	psi	Bar	psi	mm	Kg/m
1/8	3	3.5X6.6	105	1522	840	12000	38	0.065
3/16	5	4.8X7.9	105	1522	700	10150	50	0.095
1/4	6	6.4X9.5	105	1522	630	9135	76	0.12
5/16	8	8X11.1	105	1522	560	8120	101	0.16
3/8	10	9.5X12.6	70	1015	490	7105	115	0.17
1/2	12	12.9X16.1	56	812	420	6090	165	0.24
5/8	16	16.2X19.7	56	812	350	5075	197	0.28
3/4	19	19.0X23.6	56	812	280	4060	209	0.33
7/8	22	22.3X26.4	56	812	245	3550	229	0.39
1	25	25.5X29.6	56	812	245	3550	401	0.46

美标液压
软管
SAE STANDARD

一层纤维编织空气／水管 AIR AND WATER HOSE

FIBER BRAID AIR/WATER HOSE

产品结构

内胶层：合成橡胶

增强层：一层高强度纤维编织层

外胶层：耐磨耐气候橡胶

适用介质：适用于输送燃料油或助剂

construction

Inner tube: Synthetic rubber

Reinforcement: One high tensile fiber braid

Cover: Weather and abrasion resistant synthetic rubber

Working Temp: -40 C to +100 C

Application: Suitable for water, air, and inert gas delivery



软管内径 Inside Diameter		软管外径 Outside Diameter	最大工作压力 Working Pressure	爆破压力 Burst Pressure	弯曲半径 Bend Radius	重量 Weight
inch	mm	mm	Bar	mm	mm	Kg/m
1/4	6	13	20	60	102	0.160
5/16	8	15	20	60	114	0.195
3/8	10	18	20	60	127	0.270
1/2	13	22	20	60	178	0.395
5/8	16	25	20	60	203	0.450
3/4	19	29	20	60	241	0.585
1	25	36	20	60	305	0.890
1-1/4	32	44	20	60	419	0.955
1-1/2	38	51	20	60	500	1.177
2	51	65	20	60	630	1.655

一层纤维编织油管 OIL DELIVERY HOSE

FIBER BRAID OIL HOSE

产品结构

内胶层：耐油橡胶

增强层：一层高强度纤维编织层

外胶层：耐磨耐气候橡胶

construction

Inner tube: Synthetic rubber

Reinforcement: One high tensile fiber braid

Cover: Weather and abrasion resistant synthetic rubber

Working Temp: -40 C to +100 C

Application: Suitable for air,water,oil based fluid delivery.



Code	I.D		Working Pressure		Bursting Pressure		Length m/roll	Weight kg/m	Volume m3/roll
	inch	mm	psi	bar	psi	bar			
Z22		22	652	45	1300	90	1.2		
Z25		25	652	45	1300	90	1.2		
Z28		28	652	45	1300	90	1.2		
Z30		30	652	45	1300	90	1.2		
Z35		35	652	45	1300	90	1.2		
Z38		38	652	45	1300	90	1.2		
Z42		42	652	45	1300	90	1.2		
Z48		48	652	45	1300	90	1.2		
Z55		55	652	45	1300	90	1.2		
Z60		60	652	45	1300	90	1.2		
Z70		70	652	45	1300	90	1.2		
Z90		90	652	45	1300	90	1.2		
Z110		110	652	45	1300	90	1.2		
Z120		120	652	45	1300	90	1.2		

美标液压
软管
SAE STANDARDSAE 100R7 (One textile braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: One layer of textile braid.
Cover: PU (polyurethane), black.
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved.



Code	Size		Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & Fitting Code		
														
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m	Codigo	Codigo
R7C02	R7C-02	3.2	1/8"	3.4-3.6	8.5	230	3335	920	13340	12	0.038	90-110	xxxx1-xx02	00018-02
R7C03	R7C-03	4.8	3/16"	4.6-5.4	10.8	210	3045	840	12180	30	0.080	90-110	xxxx1-xx03	00018-03
R7C04	R7C-04	6.4	1/4"	6.2-7.0	13.0	200	2900	800	11600	35	0.120	90-110	xxxx1-xx04	00018-04
R7C05	R7C-05	7.9	5/16"	7.7-8.5	15.1	190	2755	760	11020	45	0.145	90-110	xxxx1-xx05	00018-05
R7C06	R7C-06	9.5	3/8"	9.3-10.1	17.0	175	2538	700	10150	55	0.170	90-110	xxxx1-xx06	00018-06
R7C08	R7C-08	12.7	1/2"	12.3-13.5	20.7	140	2030	560	8120	75	0.250	90-110	xxxx1-xx08	00018-08
R7C10	R7C-10	15.9	5/8"	15.5-16.7	23.0	105	1523	420	6090	120	0.300	45-55	xxxx1-xx10	00018-10
R7C12	R7C-12	19.1	3/4"	18.6-19.8	26.0	90	1305	360	5220	145	0.346	45-55	xxxx1-xx12	00018-12
R7C16	R7C-16	25.4	1"	25.0-26.4	32.0	70	1015	280	4060	200	0.422	45-55	xxxx1-xx16	00018-16

SAE 100R7S (One steel wire braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: One layer of high tensile steel wire braided.
Cover: PU (polyurethane), black.
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved.



Code	Size		Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & Fitting Code		
														
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m	Codigo	Codigo
R7S02	R7S-02	3.2	1/8"	3.4-3.6	8.8	300	4350	1200	17400	20	0.1	90-110	xxxx1-xx02	00018-02
R7S03	R7S-03	4.8	3/16"	4.6-5.4	10.8	207	3002	828	12006	20	0.100	90-110	xxxx1-xx03	00018-03
R7S04	R7S-04	6.4	1/4"	6.2-7.0	11.3	250	3625	1000	14500	30	0.200	90-110	xxxx1-xx04	00018-04
R7S05	R7S-05	7.9	5/16"	7.7-8.5	14.0	200	2900	800	11600	46	0.200	90-110	xxxx1-xx05	00018-05
R7S06	R7S-06	9.5	3/8"	9.3-10.1	16.0	180	2610	720	10440	60	0.300	90-110	xxxx1-xx06	00018-06
R7S08	R7S-08	12.7	1/2"	12.3-13.5	19.0	160	2320	640	9280	76	0.400	90-110	xxxx1-xx08	00018-08
R7S10	R7S-10	15.9	5/8"	15.5-16.7	22.0	138	2001	552	8004	86	0.400	45-55	xxxx1-xx10	00018-10
R7S12	R7S-12	19.1	3/4"	18.6-19.8	26.0	115	1668	460	6670	150	0.500	45-55	xxxx1-xx12	00018-12
R7S16	R7S-16	25.4	1"	25.0-26.4	32.0	69	1001	276	4002	180	0.700	45-55	xxxx1-xx16	00018-16

SAE 100R7N-Non-Conductive (One textile braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: One layer of textile braid.
Cover: PU (polyurethane), Orange non-conductive
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved



Code	Size		Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & Fitting Code		
														
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m	Codigo	Codigo
R7N02	R7N-02	3.2	1/8"	3.4-3.6	8.5	224	3248	896	12992	19	0.038	90-110	xxxx1-xx02	00018-02
R7N03	R7N-03	4.8	3/16"	4.6-5.4	10.8	224	3248	896	12992	19	0.080	90-110	xxxx1-xx03	00018-03
R7N04	R7N-04	6.4	1/4"	6.2-7.0	13	210	3045	840	12180	38	0.120	90-110	xxxx1-xx04	00018-04
R7N05	R7N-05	7.9	5/16"	7.7-8.5	15.1	175	2538	700	10150	44	0.145	90-110	xxxx1-xx05	00018-05
R7N06	R7N-06	9.5	3/8"	9.3-10.1	17.0	158	2291	632	9164	51	0.170	90-110	xxxx1-xx06	00018-06
R7N08	R7N-08	12.7	1/2"	12.3-13.5	20.7	158	2291	632	9164	76	0.250	90-110	xxxx1-xx08	00018-08
R7N10	R7N-10	15.9	5/8"	15.5-16.7	25.0	192	2784	768	11136	152	0.300	45-55	xxxx1-xx10	00018-10
R7N12	R7N-12	19.1	3/4"	18.6-19.8	26.0	88	1276	352	5104	127	0.346	45-55	xxxx1-xx12	00018-12
R7N16	R7N-16	25.4	1"	25.0-26.4	32.0	70	1015	280	4060	203	0.422	45-55	xxxx1-xx16	00018-16

SAE 100R7D -Double Line (One textile braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: One layer of textile braid.
Cover: PU (polyurethane), Black
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved



Code	Size		Inside Diameter	Outside Diameter	Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & Fitting Code		
														
#	Dash	mm	Inch	mm	mm	bar	psi	bar	psi	mm	kgs/m	m	Codigo	Codigo
R7D02	R7D-02	3.2	1/8"	3.4-3.6	8.5	224	3248	896	12992	19	0.076	90-110	xxxx1-xx02	00018-02
R7D03	R7D-03	4.8	3/16"	4.6-5.4	10.8	224	3248	896	12992	19	0.160	90-110	xxxx1-xx03	00018-03
R7D04	R7D-04	6.4	1/4"	6.2-7.0	13.0	210	3045	840	12180	38	0.240	90-110	xxxx1-xx04	00018-04
R7D05	R7D-05	7.9	5/16"	7.7-8.5	15.1	175	2538	700	10150	44	0.290	90-110	xxxx1-xx05	00018-05
R7D06	R7D-06	9.5	3/8"	9.3-10.1	17.0	158	2291	632	9164	51	0.340	90-110	xxxx1-xx06	00018-06
R7D08	R7D-08	12.7	1/2"	12.3-13.5	20.7	158	2291	632	9164	76	0.500	90-110	xxxx1-xx08	00018-08
R7D10	R7D-10	15.9	5/8"	15.5-16.7	25.0	192	2784	768	11136	152	0.600	45-55	xxxx1-xx10	00018-10
R7D12	R7D-12	19.1	3/4"	18.6-19.8	26.0	88	1276	352	5104	127	0.692	45-55	xxxx1-xx12	00018-12
R7D16	R7D-16	25.4	1"	25.0-26.4	32.0	70	1015	280	4060	203	0.844	45-55	xxxx1-xx16	00018-16

美标液压
软管
SAE STANDARDSAE 100R8 (Two textile braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: Two layer of textile braid.
Cover: PU (polyurethane), black.
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved.



Code #	Size				Inside Diameter		Outside Diameter		Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & FittingCode	
	Dash	mm	Inch		mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m	m	Codigo	Codigo
R8C02	R8C-02	3.2	1/8"		3.4-3.6	10.2			354	5133	1416	20532	20	0.09	90-110	×××××02	00018-02
R8C03	R8C-03	4.8	3/16"		4.6-5.4	13.1			345	5003	1380	20010	40	0.120	90-110	××××1-××	00018-03
R8C04	R8C-04	6.4	1/4"		6.2-7.0	15.9			345	5003	1380	20010	50	0.160	90-110	××××1-××	00018-04
R8C05	R8C-05	7.9	5/16"		7.7-8.5	17.0			300	4350	1200	17400	65	0.175	90-110	××××1-××	00018-05
R8C06	R8C-06	9.5	3/8"		9.3-10.1	19.0			276	4002	1104	16008	75	0.190	90-110	××××1-××	00018-06
R8C08	R8C-08	12.7	1/2"		12.3-13.5	22.7			240	3480	960	13920	102	0.300	90-110	××××1-××	00018-08
R8C10	R8C-10	15.9	5/8"		15.5-16.7	25.0			185	2683	740	10730	150	0.360	45-55	××××1-××	100018-10
R8C12	R8C-12	19.1	3/4"		18.6-19.8	29.0			135	1958	540	7830	180	0.370	45-55	××××1-××	100018-12
R8C16	R8C-16	25.4	1"		25.0-26.4	34.0			100	1450	400	5800	230	0.490	45-55	××××1-××	100018-16

SAE 100R8N-Non-Conductive (Two textile braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: Two layer of textile braid.
Cover: PU (polyurethane), Orange non-conductive
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved



Code #	Size				Inside Diameter		Outside Diameter		Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & FittingCode	
	Dash	mm	Inch		mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m	m	Codigo	Codigo
R8N02	R8N-02	3.2	1/8"		3.4-3.6	10.2			354	5133	1416	20532	20	0.09	90-110	×××××02	00018-02
R8N03	R8N-03	4.8	3/16"		4.6-5.4	13.1			345	5003	1380	20010	40	0.120	90-110	××××1-××	00018-03
R8N04	R8N-04	6.4	1/4"		6.2-7.0	15.9			345	5003	1380	20010	50	0.160	90-110	××××1-××	00018-04
R8N05	R8N-05	7.9	5/16"		7.7-8.5	17.0			300	4350	1200	17400	65	0.175	90-110	××××1-××	00018-05
R8N06	R8N-06	9.5	3/8"		9.3-10.1	19.0			276	4002	1104	16008	75	0.190	90-110	××××1-××	00018-06
R8N08	R8N-08	12.7	1/2"		12.3-13.5	22.7			240	3480	960	13920	102	0.300	90-110	××××1-××	00018-08
R8N10	R8N-10	15.9	5/8"		15.5-16.7	25.0			185	2683	740	10730	150	0.360	45-55	××××1-××	100018-10
R8N12	R8N-12	19.1	3/4"		18.6-19.8	29.0			135	1958	540	7830	180	0.370	45-55	××××1-××	100018-12
R8N16	R8N-16	25.4	1"		25.0-26.4	34.0			100	1450	400	5800	230	0.490	45-55	××××1-××	100018-16

SAE 100R8S (Two steel wire braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: Two layer of steel wire braid.
Cover: PU (polyurethane), black.
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved.



Code #	Size				Inside Diameter		Outside Diameter		Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & FittingCode	
	Dash	mm	Inch		mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m	m	Codigo	Codigo
R8S04	R8S-04	6.4	1/4"		6.2-7.0	13.3			350	5075	1400	20300	40	0.290	90-110	××××1-××	00018-04
R8S05	R8S-05	7.9	5/16"		7.7-8.5	15.0			325	4713	1300	18850	50	0.340	90-110	××××1-××	00018-05
R8S06	R8S-06	9.5	3/8"		9.3-10.1	17.0			290	4205	1160	16820	70	0.400	90-110	××××1-××	00018-06
R8S08	R8S-08	12.7	1/2"		12.3-13.5	20.0			260	3770	1040	15080	80	0.560	90-110	××××1-××	00018-08
R8S10	R8S-10	15.9	5/8"		15.5-16.7	23.3			200	2900	800	11600	130	0.630	45-55	××××1-××	100018-10
R8S12	R8S-12	19.1	3/4"		18.6-19.8	26.0			175	2538	700	10150	160	0.750	45-55	××××1-××	100018-12
R8S16	R8S-16	25.4	1"		25.0-26.4	33.0			120	1740	480	6960	220	1.000	45-55	××××1-××	100018-16

SAE 100R8D-Double Line (Two textile braided Thermoplastic Hydraulic hose)

- ◆ CONSTRUCTION:
Tube: PA (polyamide).
Reinforcement: Two layer of textile braid.
Cover: PU (polyurethane), black.
- ◆ TEMPERATURE:
 - -40° C to +100° C (intermittent 110° C).
- ◆ APPLICATION:
Mineral and biological oils, water-glycol based, water, lubricants.
MSHA and ISO9001:2015 and GOST and SGS Approved



Code #	Size				Inside Diameter		Outside Diameter		Working Pressure		Bursting Pressure		Bend Radius	Weight	Length	Ferrule & FittingCode	
	Dash	mm	Inch		mm	mm	mm	mm	bar	psi	bar	psi	mm	kg/m	m	Codigo	Codigo
R8D02	R8D-02	3.2	1/8"		3.4-3.6	10.2			354	5133	1416	20532	20	0.18	90-110	×××××02	00018-02
R8D03	R8D-03	4.8	3/16"		4.6-5.4	13.1			345	5003	1380	20010	40	0.240	90-110	××××1-××	00018-03
R8D04	R8D-04	6.4	1/4"		6.2-7.0	15.9			345	5003	1380	20010	50	0.320	90-110	××××1-××	00018-04
R8D05	R8D-05	7.9	5/16"		7.7-8.5	17.0			300	4350	1200	17400	65	0.350	90-110	××××1-××	00018-05
R8D06	R8D-06	9.5	3/8"		9.3-10.1	19.0			276	4002	1104	16008	75	0.380	90-110	××××1-××	00018-06
R8D08	R8D-08	12.7	1/2"		12.3-13.5	22.7			240	3480	960	13920	102	0.600	90-110	××××1-××	00018-08
R8D10	R8D-10	15.9	5/8"		15.5-16.7	25.0			185	2683	740	10730	150	0.720	45-55	××××1-××	100018-10
R8D12	R8D-12	19.1	3/4"		18.6-19.8	29.0			135	1958	540	7830	180	0.740	45-55	××××1-××	100018-12
R8D16	R8D-16	25.4	1"		25.0-26.4	34.0			100	1450	400	5800	230	0.980	45-55	×××××06	00018-16

美标液压
软管
SAE STANDARD

NYLON FABRIC HOSE GUARD

- ◆ Construction: High tenacity multi-filament nylon
- ◆ Application: Nylon protective sleeve is mainly used for wear resistance and explosion proof hydraulic hose, oil rubber hose, the trachea and other pipe fitting. Especially suitable for work at the severe condition.
- ◆ TEMPERATURE: -50° C to- 190° C



Code	Inside Diameter (mm)	Flat Width(mm)	Wall Thickness (mm)	Length(M)
020	20	12	1	50
025	25	15	1	50
030	30	17	1	50
035	35	20	1	50
040	40	23	1	50
045	45	26	1	50
050	50	31	1	50
060	60	37	1	50
070	70	44	1	50
080	80	50	1	50
090	90	56	1	50
100	100	62	1	50
115	115	72	1	50
145	145	90	1	50
176	176	110	1	50

SPRING GUARD

- ◆ Construction: Carbon steel spring
- ◆ Application: Spring hose guard is hydraulic hose most versatile hose guard product. While it’ s most commonly used in construction. The unique hose spring guard is suitable for any number of situations to offer protection against wear, impact and accidental compression.



Code	Inside Diameter (mm)
SG06	6
SG08	8
SG10	10
SG13	13
SG16	16

Code	Inside Diameter (mm)
SG19	19
SG25	25
SG32	32
SG38	38

PVC WELDING HOSE

- CONSTRUCTION:
- Tube: PVC material
- Reinforcement: 1ply or 2ply high tensile polyester braiding
- Cover: PVC,black,red,yellow,blue.
- TEMPERATURE: -10° C to +65° C
- APPLICATION : Being widely used in welding machine,architecture and lacquer factory



3 layer PVC twin welding hose

Code	I.D		O.D	Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm	mm	psi	bar	psi	bar	ft/roll	kg/pc	m3/roll
PTWH306	1/4"	6	12	300	20	900	60	100	23.74	0.05
PTWH308	5/16"	8	14	300	20	900	60	100	29.01	0.06
PTWH310	3/8"	10	16	300	20	900	60	100	34.29	0.07

5 layer heavy duty PVC twin welding hose

Code	I.D		O.D	Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm	mm	psi	bar	psi	bar	ft/roll	kg/pc	m3/roll
PTWH506	1/4"	6	12	600	40	1800	120	100	23.91	0.06
PTWH508	5/16"	8	14	600	40	1800	120	100	29.22	0.06
PTWH510	3/8"	10	16	600	40	1800	120	100	34.53	0.08

Fully cotton braided heavy duty twin welding hose

Code	I.D		O.D	Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm	mm	psi	bar	psi	bar	ft/roll	kg/pc	m3/roll
PTWHF06	1/4"	6	12	600	40	1800	120	100	23.00	0.05
PTWHF08	5/16"	8	14	600	40	1800	120	100	26.40	0.06
PTWHF10	3/8"	10	16	600	40	1800	120	100	33.00	0.07

PLASTIC GUARD

- ◆ Construction: Rubber
- ◆ Application: Plastic hose guard is hydraulic hose most versatile hose guard product. While it’ s most commonly used in construction. The unique hose spring guard is suitable for any number of situations to offer protection against wear, impact and accidental compression.



美标液压
软管
SAE STANDARD

PVC STEEL WIRE SUCTION & DISCHARGE HOSE

CONSTRUCTION:

Tube and cover: transparent PVC

Reinforcement: steel wire spiral

TEMPERATURE: -10° C to +65° C

APPLICATION : The PVC steel wire spring hose is widely used for suction

and discharge of water,oil and powdery articles in the industries,

agriculture,engineering, foodstuffs and sanitation lines,the hose used for

foodstuffs is made of special food grade pvc.It is toxic,light,

without odor and transparent. The food grade PVC steel wire spring hose

can be used for conveying milk,beverage,distilled liquor,beer,jam and other foods. We can also insert the cooper

wire into hose.This hose can avoid the block of the flowing in the hose due to static,and protect users from getting

electric shock or electric current impingement



Code	I.D		O.D	Vacuum Pres sure	W.P		B.P		Length	Weight	Volume
	inch	mm	mm	psi	bar	psi	bar	psi	m/roll	kg/roll	m3/roll
PSWH-06	1/4"	6	11.0	-15	11	160	33	479	100	10.00	0.028
PSWH-08	5/16"	8	14.0	-15	11	160	33	479	100	15.50	0.039
PSWH-101	3/8"	9	14.0	-15	10	145	30	435	100	13.50	0.027
PSWH-102	3/8"	10	15.0	-15	10	145	30	435	100	14.70	0.041
PSWH-103	3/8"	9	15.0	-15	11	160	33	479	100	17.00	0.029
PSWH-104	3/8"	10	16.0	-15	11	160	33	479	100	18.40	0.045
PSWH-121	1/2"	12	17.0	-15	9	131	30	435	100	17.10	0.044
PSWH-122	1/2"	12	18.0	-15	10	145	30	435	100	21.20	0.049
PSWH- 161	5/8"	15	22.0	-15	10	145	30	435	100	30.50	0.074
PSWH- 162	5/8"	15	21.0	-15	9	131	30	435	100	25.40	0.074
PSWH- 163	5/8"	16	20.0	-15	8	116	20	290	100	17.00	0.061
PSWH- 164	5/8"	16	23.0	-15	9	131	30	435	100	32.10	0.063
PSWH-201	3/4"	19	26.0	-15	10	145	30	435	50	18.55	0.052
PSWH-202	3/4"	19	25.5	-15	8	116	20	290	50	17.05	0.050
PSWH-203	3/4"	20	26.0	-15	8	116	20	290	50	16.25	0.050
PSWH-204	3/4"	20	24.5	-15	8	116	20	290	50	11.80	0.050
PSWH-221	7/8"	22	30.0	-15	8	116	20	290	50	24.50	0.065
PSWH-222	7/8"	22	27.0	-15	8	116	20	290	50	14.40	0.058
PSWH-251	1"	25	33.0	-15	10	145	25	363	50	27.30	0.085
PSWH-252	1"	25	29.0	-15	7	102	20	290	50	12.70	0.065
PSWH-253	1"	25	30.0	-15	7	102	20	290	50	16.20	0.069
PSWH-254	1"	25	32.0	-15	7	102	20	290	50	23.50	0.078
PSWH-321	1- 1/4"	32	41	-15	102	7	290	20	40	30.96	0.106
PSWH-322	1- 1/4"	32	36	-15	73	5	276	19	50	16.00	0.124
PSWH-323	1- 1/4"	32	38.6	-15	73	5	276	19	50	27.45	0.133
PSWH-324	1- 1/4"	32	41	-15	87	6	290	20	50	38.70	0.152
PSWH-325	1- 1/4"	32	41.6	-15	87	6	290	20	50	44.10	0.130
PSWH-381	1- 1/2"	38	48	-15	87	6	261	18	40	40.52	0.154
PSWH-382	1- 1/2"	38	42.8	-15	73	5	232	16	50	22.85	0.154
PSWH-383	1- 1/2"	38	44	-15	73	5	232	16	50	28.95	0.161
PSWH-384	1- 1/2"	38	44.6	-15	73	5	232	16	50	32.10	0.169
PSWH-385	1- 1/2"	38	45.5	-15	87	6	261	18	50	36.85	0.173
PSWH-386	1- 1/2"	38	46.4	-15	87	6	261	18	50	41.75	0.184
PSWH-451	1-3/4"	45	56	-15	87	6	247	17	40	52.32	0.190
PSWH-452	1-3/4"	45	50	-15	73	5	232	16	50	27.95	0.198
PSWH-453	1-3/4"	45	52	-15	73	5	232	16	50	40.00	0.211
PSWH-454	1-3/4"	45	53	-15	73	5	232	16	50	46.15	0.229
PSWH-481	1-7/8"	48	59	-15	73	5	232	16	40	59.12	0.208
PSWH-482	1-7/8"	48	54.6	-15	73	5	218	15	50	42.55	0.234
PSWH-483	1-7/8"	48	56.4	-15	73	5	218	15	50	55.05	0.262
PSWH-484	1-7/8"	48	58	-15	73	5	218	15	50	66.55	0.267
PSWH-501	2"	50	62	-15	73	5	232	16	40	67.52	0.276
PSWH-502	2"	50	55.6	-15	73	5	145	10	50	37.15	0.258
PSWH-503	2"	50	57.2	-15	73	5	203	14	50	48.45	0.268
PSWH-504	2"	50	58.2	-15	73	5	203	14	50	55.70	0.273
PSWH-505	2"	50	60	-15	73	5	218	15	50	69.10	0.289
PSWH-581	2-5/16"	58	70	-15	73	5	218	15	40	72.36	0.350
PSWH-641	2- 1/2"	63	80	-15	73	5	203	14	30	94.47	0.330
PSWH-642	2- 1/2"	64	72.3	-15	58	4	145	10	40	58.60	0.351
PSWH-643	2- 1/2"	64	75	-15	58	4	145	10	40	79.20	0.370
PSWH-644	2- 1/2"	64	76	-15	58	4	145	10	40	87.04	0.370
PSWH-645	2- 1/2"	64	77	-15	58	4	145	10	40	94.96	0.389
PSWH-751	3"	75	91	-15	73	5	189	13	30	103.20	0.436

为您提供一站式液压解决方案
Professional for Hydraulic One-Station Solution

PSWH-752	3"	75	84	-15	58	4	145	10	40	74.16	0.504
PSWH-753	3"	75	85	-15	58	4	145	10	40	82.88	0.504
PSWH-754	3"	75	87	-15	58	4	145	10	40	100.72	0.681
PSWH-755	3"	75	89	-15	58	4	145	10	40	118.96	0.715
PSWH-901	3- 1/2"	90	108	-15	58	4	174	12	20	95.12	0.640
PSWH- 1001	4"	100	118	-15	44	3	145	10	20	104.74	0.505
PSWH- 1002	4"	102	112	-15	44	3	145	10	30	175.68	0.667
PSWH- 1003	4"	102	114	-15	44	3	145	10	30	103.77	0.676
PSWH- 1004	4"	102	115	-15	44	3	145	10	30	112.95	0.706
PSWH- 1005	4"	102	118	-15	44	3	145	10	30	140.91	0.716
PSWH- 110	4-3/8"	110	123	-15	44	3	145	10	20	80.84	0.810
PSWH- 114	4- 1/2"	114	126	-15	44	3	145	10	20	90.45	0.905
PSWH- 117	4-5/8"	117	133	-15	44	3	145	10	20	109.90	1.024
PSWH- 127	5"	127	143	-15	44	3	145	10	20	118.70	1.243
PSWH- 140	5- 1/2"	140	156	-15	44	3	145	10	10	65.06	0.627
PSWH- 152	6"	152	170	-15	44	3	145	10	10	81.90	0.765
PSWH- 160	6-5/16"	160	176	-15	44	3	145	10	10	75.96	0.922
PSWH- 180	7"	180	196	-15	44	3	145	10	10	85.01	1.156
PSWH-200	8"	200	224	-15	44	3	145	10	10	143.79	1.426

PVC STEEL WIRE AND FIBRE COMPOSITE HOSE

CONSTRUCTION:

Tube and cover: transparent PVC

Reinforcement: steel wire spiral & polyester fibre braiding

TEMPERATURE: -10° C to +65° C

APPLICATION : The PVC steel wire spring and fibre composite

hose is widely used for suction and discharge of water,oil and powdery

articles in the industries,agriculture,engineering, foodstuffs and sanitation

lines,the hose used for foodstuffs is made of special food grade pvc.It is

non _x005f toxic,light,without odor and transparent. The food grade PVC

steel wire spring and fibre composite hose can be used for conveyingmilk,be

other foods. We can also insert the cooper wire into hose.This hose can avoid

due to static,and protect users from getting electric shock or electric current impingement.



Code	I.D		O.D	Vacuum Press ure	W.P		B.P		Length	Weight	Volume
	inch	mm	mm	psi	bar	psi	bar	psi	m/roll	k g/roll	m3/roll
PSWH-06	1/4"	6	11	-15	160	11	479	33	100	10	0.028
PSWH-08	5/16"	8	14	-15	160	11	479	33	100	15.5	0.039
PSWH-101	3/8"	9	14	-15	145	10	435	30	100	13.5	0.027
PSWH-102	3/8"	10	15	-15	145	10	435	30	100	14.7	0.041
PSWH-103	3/8"	9	15	-15	160	11	479	33	100	17	0.029
PSWH-104	3/8"	10	16	-15	160	11	479	33	100	18.4	0.045
PSWH-121	1/2"	12	17	-15	131	9	435	30	100	17.1	0.044
PSWH-122	1/2"	12	18	-15	145	10	435	30	100	21.2	0.049
PSWH-161	5/8"	15	22	-15	145	10	435	30	100	30.5	0.074
PSWH-162	5/8"	15	21	-15	131	9	435	30	100	25.4	0.074
PSWH-163	5/8"	16	20	-15	116	8	290	20	100	17	0.061
PSWH-164	5/8"	16	23	-15	131	9	435	30	100	32.1	0.063
PSWH-201	3/4"	19	26	-15	145	10	435	30	50	18.55	0.052
PSWH-202	3/4"	19	25.5	-15	116	8	290	20	50	17.05	0.05
PSWH-203	3/4"	20	26	-15	116	8	290	20	50	16.25	0.05
PSWH-204	3/4"	20	24.5	-15	116	8	290	20	50	11.8	0.05
PSWH-221	7/8"	22	30	-15	116	8	290	20	50	24.5	0.065
PSWH-222	7/8"	22	27	-15	116	8	290	20	50	14.4	0.058
PSWH-251	1"	25	33	-15	145	10	363	25	50	27.3	0.085
PSWH-252	1"	25	29	-15	102	7	290	20	50	12.7	0.065
PSWH-253	1"	25	30	-15	102	7	290	20	50	16.2	0.069
PSWH-254	1"	25	32	-15	102	7	290	20	50	23.5	0.078

美标液压
软管
SAE STANDARD

PVC LAYFLAT HOSE

CONSTRUCTION:

Tube: PVC, blue,orange,red.

Reinforcement: high tensile polyester braiding

Cover: PVC, blue,orange,red.

TEMPERATURE: -10° C to +60° C

APPLICATION : PVC layflat hose is designed for light and heavy duty applications,the hoses are most commonly used in agricultural equipment where continuous water flow through irrigation systems is required. Other appliaction include water pump, pool & spa, construction, mines and marine.

Light duty PVC layflat hose

Code	I.D		Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm	ps i	bar	ps i	bar			
PLHL20	3/4"	20	30-45	2~3	90- 135	6~9	100	0.12	0.014
PLHL25	1"	25	30-45	2~3	90- 135	6~9	100	0.15	0.019
PLHL32	1- 1/4"	32	30-45	2~3	90- 135	6~9	100	0.17	0.023
PLHL38	1- 1/2"	38	30-45	2~3	90- 135	6~9	100	0.21	0.026
PLHL51	2"	51	30-45	2~3	90- 135	6~9	100	0.23	0.039
PLHL64	2.5"	64	30-45	2~3	90- 135	6~9	100	0.32	0.047
PLHL76	3"	76	30-45	2~3	90- 135	6~9	100	0.36	0.060
PLHL102	4"	102	30-45	2~3	90- 135	6~9	100	0.55	0.083
PLHL125	5"	127	30-45	2~3	90- 135	6~9	100	0.75	0.109
PLHL153	6"	153	30-45	2~3	90- 135	6~9	100	0.90	0.141
PLHL203	8"	203	30-45	2~3	90- 135	6~9	100	1.80	0.193

Standard duty PVC layflat hose

Code	I.D		Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm	ps i	bar	ps i	bar			
PLHS 20	3/4"	20	58	4	218	15	100	0.14	0.014
PLHS 25	1"	25	58	4	218	15	100	0.15	0.019
PLHS 32	1- 1/4"	32	58	4	218	15	100	0.17	0.023
PLHS 38	1- 1/2"	38	58	4	218	15	100	0.21	0.026
PLHS 40	1- 1/2"	40	58	4	218	15	100	0.22	0.026
PLHS 51	2"	51	58	4	174	12	100	0.23	0.039
PLHS 64	2.5"	64	58	4	174	12	100	0.32	0.047
PLHS 76	3"	76	58	4	174	12	100	0.36	0.060
PLHS 102	4"	102	58	4	174	12	100	0.55	0.083
PLHS 125	5"	127	58	4	174	12	100	0.75	0.109
PLHS 153	6"	153	58	4	174	12	100	1.20	0.141
PLHS 203	8"	203	58	4	174	12	100	2.30	0.193
PLHS 254	10"	254	58	4	174	12	50	2.60	0.178
PLHS 305	12"	305	58	4	174	12	50	3.10	0.245

Medium duty PVC layflat hose

Code	I.D		Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm	ps i	bar	s i	bar			
PLHM19	3/4"	20	87	6	305	21	100	0.14	0.014
PLHM25	1"	25	87	6	305	21	100	0.17	0.019
PLHM32	1- 1/4"	32	87	6	305	21	100	0.20	0.023
PLHM38	1- 1/2"	38	87	6	305	21	100	0.25	0.026
PLHM40	1- 1/2"	40	87	6	261	18	100	0.28	0.026
PLHM51	2"	51	87	6	261	18	100	0.30	0.039
PLHM64	2.5"	64	87	6	261	18	100	0.50	0.047
PLHM76	3"	76	87	6	261	18	100	0.55	0.060
PLHM102	4"	102	87	6	261	18	100	0.90	0.083
PLHM125	5"	127	87	6	261	18	100	1.10	0.109
PLHM153	6"	153	87	6	261	18	100	1.80	0.141
PLHM203	8"	203	87	6	261	18	100	2.80	0.193



PVC FIBRE REINFORCED HOSE

CONSTRUCTION:

Tube:PVC(Non-toxic)

Reinforcement:high tensile polyester fibre

Cover: PVC(Non-toxic)

TEMPERATURE: -10° C to +65° C

APPLICATION : Pvc fibre reinforced hose is used for conveying water,oil,gas under normal working condition in the factory,farm,ship,building and family. The hose used for foodstuffs is made of special food grade material,It can also be used for conveying milk,beverage,distilled liquor,beer, jam and other foods, It can be used as pvc shower hose too.



Code	I.D		O.D	Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm		ps i	bar	ps i	bar			
PFH-06	1/4"	6	10	145	10	435	30	100	6.60	0.015
PFH-08	5/16"	8	12	145	10	435	30	100	8.30	0.019
PFH-09	3/8"	9	13	131	9	392	27	100	9.10	0.025
PFH- 10	13/32"	10	14	116	8	348	24	100	9.90	0.029
PFH- 12	1/2"	12	16	102	7	305	21	100	11.60	0.038
PFH- 13	1/2"	13	17	87	6	261	18	100	16.10	0.045
PFH- 14	35/64"	14	19	102	7	305	21	100	17.10	0.052
PFH- 15	5/8"	15	19	87	6	261	18	50	7.05	0.030
PFH- 16	5/8"	16	20	73	5	218	15	50	7.45	0.030
PFH- 18	45/64"	18	24	87	6	261	18	50	13.05	0.035
PFH- 19	3/4"	19	23	58	4	174	12	50	8.70	0.043
PFH-20	25/32"	20	25	87	6	261	18	50	11.65	0.046
PFH-22	7/8"	22	27	73	5	218	15	50	12.70	0.056
PFH-25	1"	25	30	58	4	174	12	50	14.25	0.068
PFH-32	1- 1/4"	32	39	58	4	174	12	40	20.60	0.119
PFH-38	1- 1/2"	38	45	58	4	174	12	40	24.08	0.151
PFH-45	1-3/4"	45	55	58	4	174	12	40	41.44	0.217
PFH-50	2"	50	58	44	3	131	9	40	35.80	0.198
PFH-64	2- 1/2"	64	78	58	4	174	12	40	82.40	0.304
PFH-75	3"	75	90	58	4	174	12	40	102.60	0.350

PVC AIR HOSE 300psi

CONSTRUCTION:

Tube: PVC material

Reinforcement: 1ply or 2ply high tensile polyester braiding

Cover: PVC,black,red,yellow,blue.

TEMPERATURE: -10° C to +65° C

APPLICATION : The PVC air hose is widely used in pneumatic tools, air compressors,Rock drill,automated air line, air supply,cleaning equipment, construction equipment and so on.



Code	I.D		O.D	Working Press ure		Bursting Press ure		Length	Weight	Volume
	inch	mm		ps i	bar	ps i	bar			
PAIR-06	1/4"	6.4	12	300	20	900	60	100	0.108	0.024
PAIR-08	5/16"	8	14	300	20	900	60	100	0.143	0.029
PAIR- 10	3/8"	10	16	300	20	900	60	100	0.169	0.040
PAIR- 13	1/2"	13	20	300	20	900	60	100	0.250	0.058
PAIR- 16	5/8"	16	25	300	20	900	60	50	0.392	0.040
PAIR- 19	3/4"	19	28	300	20	900	60	50	0.468	0.057
PAIR-25	1"	25	35	300	20	900	60	50	0.660	0.094
PAIR-32	1- 1/4"	32	44	300	20	900	60	50	1.010	0.169
PAIR-38	1- 1/2"	38	50	300	20	900	60	50	1.170	0.227
PAIR-50	2"	50	64	300	20	900	60	50	1.766	0.375

国标液压
软管
GB STANDARD

MT98 (602 系列)
矿用钢丝编织橡胶
软管
WIRE BRAID HYDRAULIC
RUBBER HOSE FOR
COAL MINING

一层钢丝编织矿用液压软管

ONE WIRE BRAID HYDRAULIC HOSE FOR COAL MINING

产品结构

内胶层：丁腈橡胶

增强层：一层高强度钢丝编织层

外胶层：合成橡胶

用 途：适用于煤矿液压支架，综合采煤机组等
液压系统输送矿 物油，水基液压油或水，
可在 -40℃ ~+100℃使用。

特 性：用耐油和耐气候良好的特种橡胶制造，
采用镀铜钢丝增 强，外观为黑色布纹或
黑色光面。软管执行 MT98-2006 标准。

construction

Inner tube: NBR

Reinforcement: one high tensile steel wire braid

Cover: Synthetic rubber

Application: for delivery of water, mineral oil or water-based
hydraulic oil in the hydraulic system of coal mining
machinery and working temperature range is -40 ℃ ~+100 ℃ .

Feature: made of excellent oil resistant and anti-aging rubber.
The reinforcement is braided with brass plated wire. Black
wrapped cover, the sizes from DN6 to DN25 can do smooth
cover.



二层钢丝编织矿用液压软管

TWO WIRE BRAID HYDRAULIC HOSE FOR COAL MINING

产品结构

内胶层：丁腈橡胶

增强层：二层高强度钢丝编织层

外胶层：合成橡胶

用 途：适用于煤矿液压支架，综合采煤机组等液压系统输送
矿物油，水基液压油或水，可在 -40℃ ~+100℃使用。

特 性：用耐油和耐气候良好的特种橡胶制造，采用镀铜钢丝
增强，外观为黑色布纹或黑色光面。软管执行 MT98-
2006 标准。

construction

Inner tube: NBR

Reinforcement: two high tensile steel wire braid

Cover: Synthetic rubber

Application: for delivery of water, mineral oil or water-based hydraulic oil in the
hydraulic system of coal mining machinery
and working temperature range is -40 ℃ ~+100 ℃ .

Feature: made of excellent oil resistant and anti-aging rubber. The
reinforcement is braided with brass plated wire. Black
wrapped cover, the sizes from DN6 to DN25 can do smooth cover.



产品 型号 Type	公制 规格	英制 规格	软管内径 I.D		增强层外径 W.D		软管外径 O.D		最大工作 压力 W.P		最小爆破 压力 Min. B.P		最小弯曲 半径 Min. B.R	参考 重量 Weight
	size	size	最小	最大	最小	最大	最小	最大	Mpa	Psi	Mpa	Psi	mm	Kg/m
	mm	inch	min	max	min	max	min	max						
1-6	6	1/4	5.8	6.5	11.1	12.1	14.2	15.4	23.0	3335.0	92.0	13340.0	90	0.31
1-8	8	5/16	7.8	8.5	13.1	14.1	16.2	17.4	22.0	3190.0	88.0	12760.0	100	0.38
1-10	10	3/8	9.8	10.5	15.1	16.1	18.1	19.3	18.0	2610.0	72.0	10110.0	115	0.45
1-13	13	1/2	12.8	13.5	18.9	19.9	21.9	23.1	16.0	2320.0	64.0	9280.0	130	0.64
1-16	16	5/8	15.8	16.6	22	23	24.7	26.3	13.0	1885.0	52.0	7540.0	180	0.70
1-19	19	3/4	18.8	19.8	25	26	27.6	29.2	11.0	1595.0	44.0	6380.0	200	0.84
1-22	22	7/8	21.8	22.8	28	29	30.6	32.2	10.0	1450.0	40.0	5800.0	240	0.95
1-25	25	1	24.8	25.8	31.5	32.5	34.2	35.8	9.0	1305.0	36.0	5220.0	300	1.06
1-32	32	1 1/4	31.6	33.6	38.5	39.5	41.8	44.2	7.0	1015.0	28.0	4060.0	420	1.4
1-38	38	1 1/2	37.7	39.8	45.5	46	48.8	51.2	6.0	870.0	24.0	3480.0	500	1.58
1-51	51	2	50.7	52	57.7	58.8	62.3	64.7	4.0	580.0	16.0	2320.0	630	1.99
1-63	63	2 1/2	63.5	63.5	71	73	76	80	3.5	508.0	14.0	2030.0	760	2.42
1-76	76	3	75.5	77.5	83	85	88	92	3	435.0	12.0	174.0	820	2.86

产品 型号 Type	公制 规格	英制 规格	软管内径 I.D		增强层外径 W.D		软管外径 O.D		最大工作压力 W.P		最小爆破压力 Min. B.P		最小弯曲 半径 Min. B.R	参考重量 Weight
	size	size	最小	最大	最小	最大	最小	最大	Mpa	Psi	Mpa	Psi	mm	Kg/m
	mm	inch	min	max	min	max	min	max						
2-6	6	1/4	5.8	6.5	12.9	13.9	16.0	17.2	40.0	5800.0	160.0	23200.0	90	0.48
2-8	8	5/16	7.8	8.5	14.9	15.9	18.0	19.2	40.0	5800.0	160.0	23200.0	100	0.59
2-10	10	3/8	9.8	10.5	16.9	17.9	19.9	21.1	40.0	5800.0	160.0	23200.0	115	0.68
2-13	13	1/2	12.8	13.5	20.7	21.7	23.7	24.9	35.0	5075.0	140.0	20300.0	130	0.82
2-16	16	5/8	15.8	16.6	23.7	24.7	26.5	28.1	25.0	3625.0	100.0	14500.0	180	0.97
2-19	19	3/4	18.8	19.8	26.7	27.7	29.4	31.0	22.0	3190.0	88.0	12760.0	200	1.09
2-22	22	7/8	21.8	22.8	30.7	31.0	32.6	34.0	16.0	2320.0	64.0	9280.0	240	1.28
2-25	25	1	24.8	25.8	33.5	34.5	36.0	37.6	17.0	2645.0	68.0	9860.0	300	1.52
2-32	32	1 1/4	31.6	33.6	40.2	41.2	43.8	46.2	13.0	1885.0	52.0	7540.0	420	1.91
2-38	38	1 1/2	37.7	39.8	46.5	47.5	49.8	52.2	10.0	1450.0	40.0	5800.0	500	2.1
2-51	51	2	50.7	52	59.5	60.5	62.8	65.2	8.0	1160.0	32.0	4640.0	630	2.51
2-63	63	2 1/2	63.5	63.5	73.0	75.0	78.0	80.0	7.0	1015.0	28.0	4060.0	760	3.3
2-76	76	3	75.5	77.5	85.0	87.0	90.0	94.0	6.0	870.0	24.0	3480.0	820	3.9

通用信息
GENERAL
INFORMATION

安全使用指南
Safety considerations



制造者，最终使用者和安装人员在搬运或靠近液压胶管组件时都应该留意安全系数。下面是一些可能导致人身伤害和财产损失的潜在情况。

Fabricators, end users, and installers should be aware of the safety factors when handling or when in proximity of hydraulic hose assemblies. The following are some potential conditions that can lead to personal injury and property damage.

- ◇ 由于某种液体可能渗透胶管外胶层，胶管应该用于通风良好的地方。
- ◇ 液压系统通常在高压下使用。任何加压流体的泄漏都能渗入皮肤，造成严重的组织损伤和烧伤。在胶管组件周围考虑使用防护装置或防护罩能降低受伤害的风险。
- ◇ 摆动胶管 – 在高操作压力下，胶管和 / 或接头变松或断开，引起胶管端部大力的摆动。再次强调，胶管组件必须隔离或保护，甚至可能需要固定，以降低由于胶管摆动引起的受伤或损坏风险。
- ◇ 液压流体易燃并遇到火源爆炸。为了避免不必要的人身伤害和财产损失，应该小心地消除点火源并按合适的路径安装将燃烧的可能降到最低。
- ◇ 绝大多数的胶管是导电的。在某些情况下，非导电胶管是必需的。为了避免电击或其他严重的事故，必须使用正确的胶管规格，要么导电要么不导电。
- ◇ 如果液压胶管组件工作不正常，损失的液压将会影响设备的运行。采取相应措施以降低由设备突然的功率损耗可能引起的人身伤害风险。
- ◇ 当输送空气或气体材料时，必须使用正确的胶管。可能需要使用在外胶表面有针孔的胶管。外胶上的针孔可以防止气体在外胶上聚集和鼓泡。
- ◇ 当操作员使用手持液压工具接近液压胶管组件时要格外小心。采取下面的步骤降低受伤风险。
在胶管的每端使用张力减压装置以防止弯折，过度弯曲或胶管的接头部分的应力。
勿用胶管组件拉或搬运工具。
暴露在操作人员附近的胶管必须防护，避免在胶管组件故障时由高压或高温流体造成的伤害。
考虑到工作和流体性质，工具操作工必须穿规定的安全工作服。
胶管必须避免任何表面的损伤。
- ◇ 胶管组件必须适当的安装避免应变及可能出现的胶管爆裂。适当的安装将能保护组件免受绕曲疲劳、过热或磨损。

- the chance of combustion.
- ◇ Most all hose is conductive. In some cases a nonconductive hose is required. To reduce the risk of electrocution or other serious mishap, the correct hose specification, either conductive or nonconductive, should be used. Should a hydraulic hose assembly fail, loss of hydraulic pressure will affect the operation of equipment. Take proper precaution to reduce risk of sudden power loss of the equipment that could cause personal injury.
 - ◇ When air or gaseous materials are being conveyed, the correct hose should be used. A pin-perforated cover may be required. Perforations in the cover will prevent permeated gases from accumulating and blistering the cover.
 - ◇ Extreme care should be used when operating handheld hydraulic tools where the operator is in proximity to the hydraulic hose assembly.

The following steps should be taken to reduce the risk of injury. Use strain relievers on each end of the hose to prevent kinking, excessive bending, or stress on the hose at the coupling. Never use the hose assembly to pull or carry the tool. Exposed hose near the operator should be guarded in case hose assembly fails to prevent injury from high pressure or high temperature fluid. Operators of the tool should be protected with the required safety clothing considering the job and fluids being used. The hose should be protected against any external damage.

- ◇ Hose assemblies should be properly routed to reduce risk of strain and the possibility of the hose bursting. Proper routing will also protect the assembly against flex fatigue, excessive heat, or abrasion.



	警告	胶管的选择
	WARNING	SELECTION OF HOSE

如何为设备选择合适的胶管，对于正常操作和胶管及其相关设备的安全应用至关重要。如对于您的应用选择不适当胶管，则可能会导致胶管泄漏、爆裂或其他故障，由此可能导致泄漏出的液体或飞行

物造成财产损失或严重人身伤害。一些在正确选择胶管时所涉及的考虑因素包含：◇胶管尺寸 ◇胶管长度 ◇胶管接头 ◇所输送液体 ◇弯曲度 ◇温度 ◇胶管压力 ◇静态水压 ◇安装设计

Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the hose for your application can result in hose leakage, bursting or other failure, which can cause serious bodily injury or property damage from

spraying fluids or flying projectiles. Some the factors involved in the selection of the proper hose are:
◇ Hose Size ◇ Hose length ◇ Hose ends ◇ Fluid conveyed
◇ Bends ◇ Temperature ◇ Hose Pressure ◇ Static Head Pressure ◇ installation design

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	警告 WARNING	正确的安装和胶管工艺路线 PROPER INSTALLATION & HOSE ROUTING
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胶管组件不当的选择、安装或维护都可能导致过早的损坏，人身伤害或财产损失。当更换或安装液压胶管组件时，必须使用下面的做法。

Warning: improper selection, installation or maintenance of a hose assembly, may result in premature failures, serious bodily injury, or property damage. The following practices should be used when replacing a hydraulic hose assembly or installing a new hydraulic assembly.

- ◇ 进行预安装检查，包括下面几点：
 - 检查确认胶管的类型，尺寸和长度规格是否正确。
 - 检查胶管组件是否有明显的缺陷。
 - 检查配件有无任何划痕或毛刺之类的损坏。
 - 检查胶管是否按照建议的指导方针来安装。
 - 检查胶管是否损坏（弯折，压碎，扭转）。
- ◇ 操持组件小心谨慎。弯曲胶管时不要超过推荐的弯曲半径。
- ◇ 不能在扭转或扭曲的情况下安装胶管组件。
- ◇ 当组件上需要减少磨损和压力点时，使用必要的限制和保护装置。
- ◇ Conduct pre-installation inspection, including the following:
 - Check to insure the hose is the correct specification in style, size, and length.
 - Check that the hose assembly has no visible nonconformity.
 - Check fittings for any damage including nicks or burrs.
 - Check that the hose is routed properly using suggested guidelines.
 - Check that the hose is not damaged (kinked, crushed, twisted).
- ◇ Handle assembly with care. Do not bend hose beyond the recommended bend radius.
- ◇ Hose assemblies should not be installed in a torqued or twisted condition.
- ◇ Use necessary restraints and protective devices when necessary to reduce wear and stress points on the assembly.

	警告 WARNING	使用寿命影响因素 SERVICE LIFE FACTORS
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胶管和胶管组合件使用寿命有限。有很多减少胶管使用寿命的因素，胶管失效可能引起严重的人身伤害和 / 或财产损失。注意以下可能降低胶管寿命的因素

Hose and hose assemblies have a finite life. There are a number of factors that will reduce hose life. Hose failure may cause serious personal injury and property damage. Be aware of the following factors that may reduce hose life:

- ◇ 实际工作压力 – 胶管的最大实际工作压力不能超过康迪泰克工程规定的和目录规格中出现的推荐工作压力。选择胶管时应保证推荐的最大实际工作压力等于或大于系统压力。爆破压力（工作压力的四倍）不应当用作胶管的实际工作压力。
- ◇ 胶管暴露于高于工作压力的冲击压力下，将会缩短胶管使用寿命。如果冲击强烈，请选择具有较高推荐工作压力的胶管。
- ◇ 爆破压力 – 在液压系统设计中爆破压力从来不被考虑，仅供测试目的用。爆破压力会对胶管造成危害。
- ◇ 实际工作温度 – 高温工作状态会由于胶料的降解而损坏胶管并不利于接头牢固。胶管持续的在等于或大于最大工作温度的情况下工作将会引起内胶、外胶和增强层的损坏，缩短胶管寿命。应特别注意保证在静态和动态条件下，输送介质和周围环境的温度不要超过胶管的限制。在特定胶管使用寿命规定的温度范围内操作胶管是很重要的。
- ◇ 弯曲半径 – 在胶管推荐的最小弯曲半径范围内弯曲胶管将会缩

- ◇ Specified by ContiTech and shown in the catalog specifications. Hose selection must be made so that the recommended maximum operating pressure is equal to or greater than the system pressure. Burst pressure, which is four times the working pressure, should not be used as the operating pressure of the hose.
- ◇ Exposing the hose to a surge pressure, above the working pressure of the hose, will shorten hose life. If surges are severe, select a hose with a higher recommended working pressure.
- ◇ Burst pressure-The burst pressure should never be considered in a hydraulic system design. The burst pressure is for test purposes only. Burst pressure is detrimental to the hose.
- ◇ Operating Temperatures-High heat conditions may have an adverse affect on hose due to the degradation of the rubber and the affect on fitting retention. Continuous use at or above the maximum operating temperature of the hose will cause deterioration of the tube, cover and reinforcement, reducing the hose life. Care should be taken to insure that fluid and ambient temperatures, both static and transient, don't exceed the limitations of the hose. It is important to operate a hose assembly within the specified temperature range of the specific life.
Bend Radius-Flexing the hose to less than its recommended minimum bend radius will decrease hose life. Optimize routing

- 短胶管的寿命。优化弯曲途径以使固有问题降到最小。
- ◇ 过大的外力如弯曲，扭转或缠绕都将会降低胶管寿命。用正确的接头或适配器以阻止任何不必要的外力。
- ◇ 耐化学性 – 为增大胶管的性能和使用寿命，考虑使用耐化学的内胶，外胶和接头，包括 O 型密封圈。选择胶管必须确保胶管的内胶，外胶和接头与输送介质的兼容性。
- ◇ 胶管组合件的尺寸必须足以让压力降到最低并避免由于产热或过量的扰动对胶管造成的危害。
- ◇ 要想延长胶管总成的使用寿命必须保证胶管和接头与环境相容，或充分的保护其远离诸如紫外线，臭氧，盐水，或能引起组合件老化和缩短胶管寿命的化学物质等元素的危害。
- ◇ 尽管胶管被设计的具有一定的耐磨性，但应注意避免过量的磨损，这样会破坏胶管的外胶，从而加速胶管的损坏。
- ◇ 为保证一个安全合适的胶管总成，要使用合适的接头并按照正确的扣压规格进行扣压和安装。确保胶管接头与管体相匹配。

- to minimize inherent problems.
- ◇ Excessive external force such as flexing, twisting, or kinking will reduce hose life. Use the correct fitting or adapter to prevent any unnecessary external force.
- ◇ Chemical Resistance-Consider the chemical resistance of the tube, cover, and the fitting, including the o-ring, to maximize hose performance and life. Hose selection must assure compatibility of the hose, tube, cover, and fittings with the fluid used.
- ◇ The size of the hose assembly components must be adequate to keep pressure losses to a minimum and reduce the risk of damage to the hose due to heat generation or excessive turbulence.
- ◇ Extend hose assembly life by making sure hose and fittings are compatible with the environment or sufficiently protected from the elements, such as ultraviolet light, ozone, salt water, or chemicals that can cause degradation of assembly components and shorten hose life.
- ◇ A hose is designed with a certain level of abrasion resistance, but care should be taken to avoid excessive abrasion, which can damage the hose cover, accelerating hose failure.
- ◇ Use the proper end fittings and crimp or install to the proper crimp specification to insure a safe and proper hose assembly. Make sure that hose fittings are compatible with the hose.

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Professional for Hydraulic One-Station Solution

胶管的维护

HOSE MAINTENANCE

胶管和接头维护程序会降低设备的故障停机时间，并维持液压系统的最佳操作性能。下面就是一些维护提醒：

A hose and fitting maintenance program can reduce equipment downtime and maintain peak operating performance of the hydraulic system. Here are a few maintenance reminders.

- ◇ 基于设备先前的历史，成套的维修 / 检测程序，和使用要求的严格性或潜在危险，胶管总成应当以定期的频率被检测。
- ◇ 当检测胶管总成时，始终保持小心。在系统检测过程中，为减小人身伤害风险，不要接触组合件，并注意胶管总成附近的潜在危险区。
- ◇ 检测胶管和接头如下：
 - 钢丝暴露，折坏，或腐蚀。
 - 管体或接头处泄漏。
 - 接头破裂，损坏或腐蚀。
 - 其他明显的损坏迹象。如果以上任何情况出现，胶管总成应当立即更换。
- ◇ 液压系统也应当检测如下：
 - 泄漏端口
 - 胶管夹子，保护或防护系统的损坏或遗漏。
 - 总成过多的灰尘或油污。
 - 系统流体状况，流体温度，污染和滞留空气的情况。如果任何以上情况被发现，应当采取合适的正确行为。
- ◇ 功能测试应当被执行来决定系统是否无泄漏和操作正确。
- ◇ 如果胶管总成可以被测试并从液压系统中分离，可以采取进一步的措施以确保一个适当维修的总成：
 - 胶管总成分离后，用干净的压缩空气吹洗，或用相溶的干净介质冲洗。
 - 检测胶管内胶的切口，残留物和清洁度。
 - 检测胶管的直线度保证胶管没有发生扭曲。
 - 保证接头状况良好，并合适的扣压或装配到总成上。如果以上任何状况被发现，应当更换胶管总成。
- ◇ 胶管总成应当按 SAE J517 概述的批准的实验台和规程，进行静液压测试。在实验压力或胶管工作压力的两倍情况下测试 30 秒到 1 分钟。当达到测试压力时，目测胶管有无任何损坏，泄漏，或表明接头松动的管体相对于接头移动的迹象。如果任何一种情况存在，总成应当被替换。
- ◇ 具体的接头更换间隔必须基于早先的使用寿命，政府和工厂的推荐，否则损坏会引起人身伤害危险或财产损失。
- ◇ A hose and fitting maintenance program can reduce equipment downtime and maintain peak operating performance of the hydraulic system. Here are a few maintenance reminders.
- ◇ Hose assemblies should be inspected on a regular basis with frequency based on prior history of the equipment, a set maintenance/

inspection program, and the severity of the application or risk potential.

Always use caution when inspecting hose assemblies. To reduce the risk of personal injury during system checkouts, do not touch the assembly and be aware of the potentially hazardous area surrounding the hose assembly.

- ◇ Inspect hose and fittings for the following :
 - Exposed, broken, or corroded reinforcement wires.
 - leaks in the hose or at the fitting.
 - Cracked, damaged, or corroded fittings.
 - Other signs of significant deterioration.If any of the above conditions exist, the hose assembly should be replaced immediately.
- ◇ The hydraulic system should also be inspected for the following:
 - leaking ports.
 - Excessive dirt or grease on the assembly.
 - Condition of system fluid, fluid temperature, contamination, and air entrapment.If any of the above conditions are found, appropriate corrective action should be taken.
- ◇ Functional tests should be conducted to determine if system are leak-free and operating properly.
- ◇ If hose assembly can be inspected and detached from the

hydraulic system, additional steps can be taken to ensure a properly maintained

assembly. With hose assembly detached, clean assembly by blowing out with clean, compressed air or rinsed with a compatible cleaning fluid.

Inspect hose tube for cuts, obstructions, and cleanliness. Check layline of the hose to make sure the hose is not twisted. Check fittings to insure they are in good condition and properly crimped or attached to the assembly. If any of the above conditions are found, the hose assembly should be replaced.

- ◇ The hose assembly should be hydrostatically tested, using the approved test stands and procedures as outlined in SAE J517. Test at proof pressure, or twice the working pressure of the hose, for 30 seconds to one minutes. When test pressure is reached, visually inspect the hose for any signs of weakness, leaks, or any hose movement relative to the fitting that would indicate a loose fitting. If any of these conditions exist, the assembly should be replaced.
- ◇ Specific hose assembly replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in injury risk or property damage.

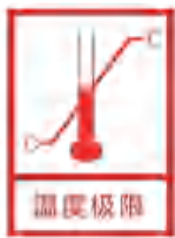
胶管贮存

HOSE STORAGE

温度，湿度，臭氧，阳光直射，油，溶剂，腐蚀性液体，昆虫，啮齿类动物和放射性材料都会对胶管产品造成危害，并使胶管过早失效。胶管应当贮存在阴暗，干燥的环境中并远离热源，电气设备，Temperature, humidity, ozone, sunlight, oils, solvent, corrosive liquids, insects, rodents, and radioactive materials can adversely affect hose products and cause premature failures. Hose should be stored in a dark, dry atmosphere away from heat sources,

及上述有害元素。胶管理想的贮存温度是 +10℃到 +20℃，最大为 38℃。

electrical equipment, and the above adverse elements. The ideal storage temperature for rubber hose is +10 ℃ to +20 ℃ , with a maximum of 38 ℃ .



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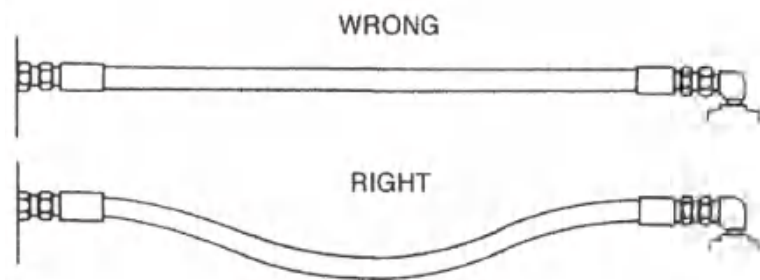
Safety considerations

钢丝编织和缠绕胶管总成说明

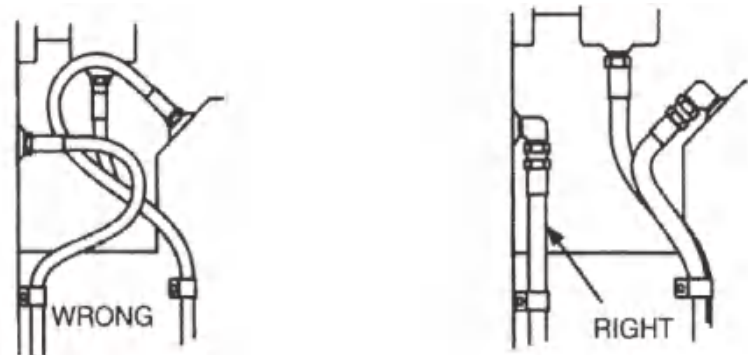
CORRECT ASSEMBLY INSTALLATION & ROUTING

令人满意的性能和外观取决于胶管的正确安装。过长破坏安装的外观的整齐，且增加不必要的设备成本。胶管组件长度不足时，充分的弯曲，扩张，或收缩将导致动力传输不足并缩短胶管的使用寿命。

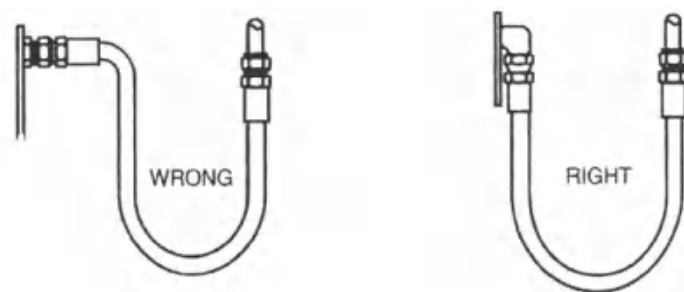
Satisfactory performance and appearance depend upon proper hose installation. Excessive length destroys the trim appearance of an installation and adds unnecessarily to the cost of the equipment. Hose assemblies of insufficient length to permit adequate flexing, expansion, or contraction will cause poor power transmission and shorten the life of the hose.



在激增的高压下，胶管长度将会改变 +2% 到 -4%，为扩张和收缩提供足够的松弛部分。
Since hose may change in length from +2% to -4% under the surge of high pressure, provide sufficient slack for expansion and contraction.



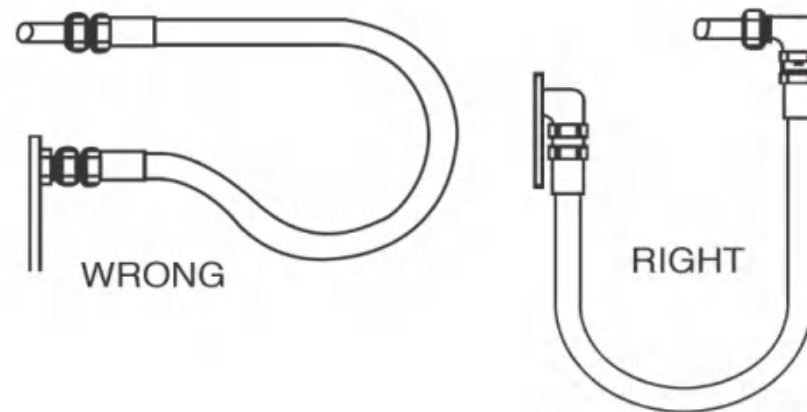
通过使用 45° 和 90° 的连接头和配件获得胶管直达线路。改善外观避免胶管过长。
Obtain direct routing of the hose through use of 45° and 90° adapters and fittings. Improve appearance by avoiding excessive hose length.



用合适角度的连接头避免胶管突然的扭曲或弯折。
Avoid sharp twist or bend in hose by using proper angle adapters.

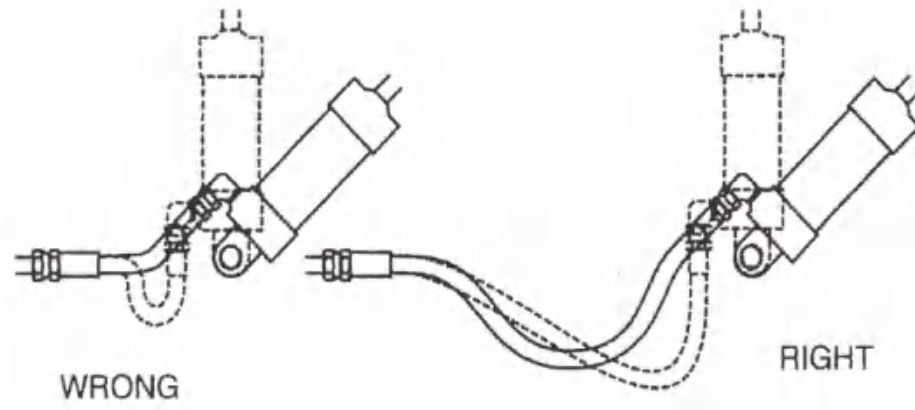
正确的安装 & 胶管工艺路线

PROPER INSTALLATION & HOSE ROUTING

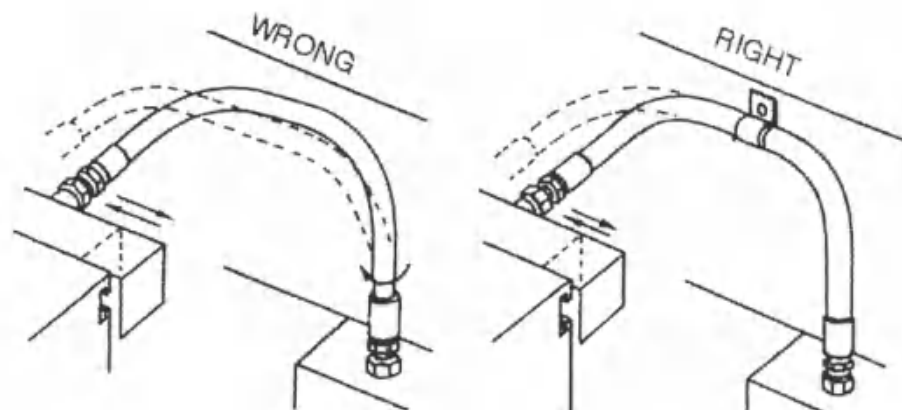


半径降到要求的最低值以下时，需要一个角度适配器（如图），以避免胶管的突然弯曲。

Where the radius falls below the required minimum, an angle adapter should be used as shown above to avoid sharp bends in the hose.



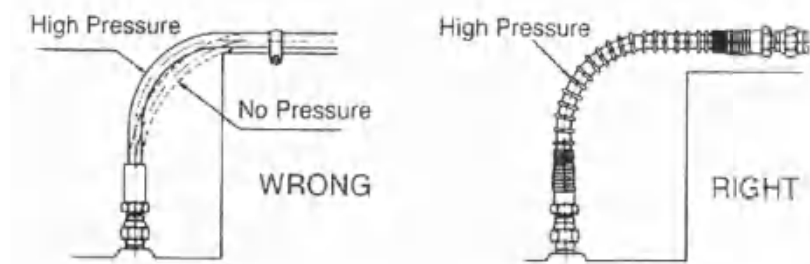
在弯曲应用和避免磨损方面分配位移最重要的是适当的胶管长度。Adequate hose length is most important to distribute movement on flexing applications and to avoid abrasion.



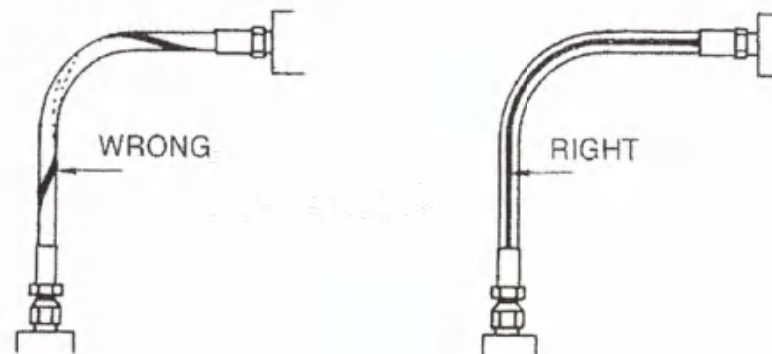
为了避免弯曲胶管的管道在两个位面向里弯，在换位面时固定软管，如图。
To avoid twisting in hose lines bent in two planes, clamp hose at change of plane, as shown.

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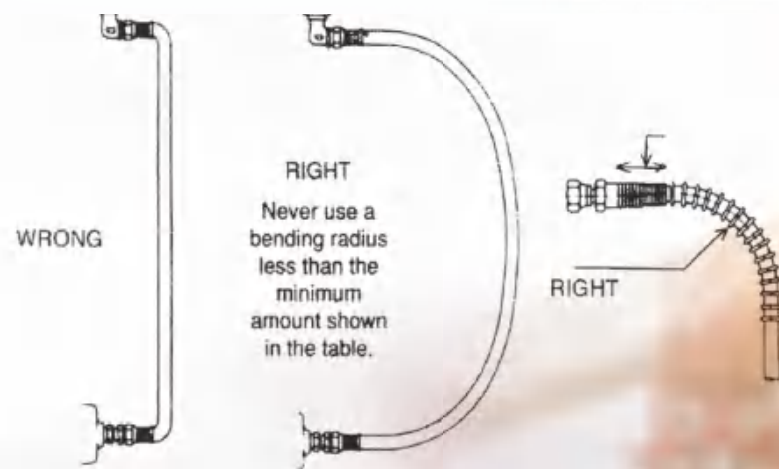
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由胶管加压造成长度的改变，不要固定弯曲部位，弯曲能吸收改变并用一个弹簧装置保护胶管。不要将高压管路和低压管路固定在一起，用一个弹簧装置保护胶管。
Due to changes in length when the hose is pressurized, do not clamp at bends so the curves can absorb changes and protect the hose with a spring guard. Do not clamp high and low pressure lines together, and protect the hose with a spring guard.

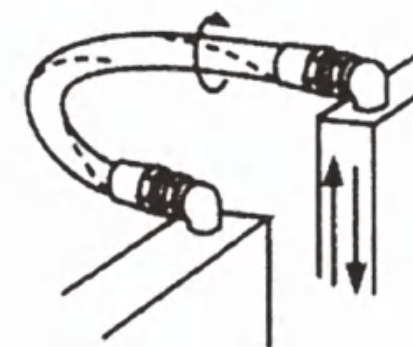


胶管不应扭曲。当胶管在一种扭曲的状态下安装时性能减弱。另外，在扭曲的胶管中的压力易于使连接头变松。设计机械运动弯曲而不是扭曲。
Hose should not be twisted. Hose is weakened when installed in a twisted position. Also, pressure in twisted hoses tends to loosen fitting connections. Design so that machine motion produces bending rather than twisting.

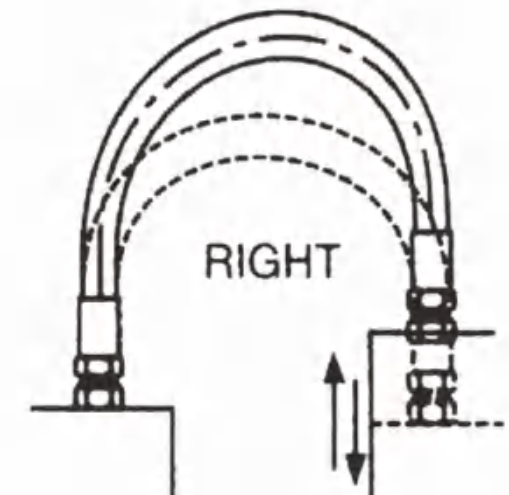


为避免扭曲和变形，胶管必须在同一平面上弯曲运动指导胶管连接。
To prevent twisting and distortion, the hose should be bent in the same plane as the motion of the boss to which the hose is connected.

WRONG



RIGHT



不要使用小于最小弯曲半径的弯曲半径，详见胶管规格表。不允许胶管突然的弯曲，使用合适的弹簧保护器降低线路压塌和限制漏气的风险。
Never use a bending radius less than the minimum shown in the hose specification tables. Do not allow the hose to bend sharply to reduce the risk of collapsing of line and restriction of flow by using proper spring guard.



注 意
ATTENTION

小于最小弯曲半径将大大降低胶管组件的寿命。
exceeding minimum bend radius will greatly reduce hose assembly life.