



Y I T A I

质量为先 诚信为本 用户至上



山东一泰液压科技有限公司

## COMPANY PROFILE

# 企业简介

山东一泰液压科技有限公司，坐落于历史文化悠久的国际旅游城市山东省泰安市，占地面积6万6千多平方米，总建筑面积4万多平方米。

公司主营石油高压钻探软管、柔性节流压井软管、井控高压耐火软管总成和高端机械软管以及矿用液压管体等配套产品的研发、生产和销售。公司产品不仅广泛应用于陆地和海洋石油钻井、勘探、开采、输送，同时还为航空机械矿用系列、大型船舶系列提供了优质产品的供应保障和信任服务。

公司集研发、生产、销售和服务为一体，具有自主进出口权的国家级高新技术企业。把科技创新作为发展的根本出路，联合清华大学成立国家级高压胶管实验室，建立清华大学科研成果转化基地，用领先的科学技术改造提升各种超高压、耐火、大口径胶管、多用途胶管等橡胶制品的科技含量，在国内外市场竞争中持续取得新优势。

公司始终秉承“质量为先、诚信为本、用户至上”的经营理念，以打造民族品牌、创新发展制造为己任，靠优质产品和信誉服务步入国际先进行业。

诚信是永恒的资本，创新是企业的动力。我们将不懈努力，行稳致远，以工匠精神锻造“一泰”品牌。

Shandong Yitai Hydraulic Technology Co., Ltd., located in Tai'an City, Shandong Province, an international tourist city with a long history and culture, covers an area of more than 66000 square meters, with a total construction area of more than 40000 square meters.

The company is mainly engaged in the R&D, production and sales of supporting products such as oil high-pressure drilling hose, flexible choke and kill hose, well control high-pressure fire-resistant hose assembly, high-end mechanical hose and mining hydraulic pipe body. The company's products are not only widely used in onshore and offshore oil drilling, exploration, exploitation and transportation, but also provide high-quality product supply guarantee and trust services for aviation machinery mining series and large ship series.

The company is a national high-tech enterprise with independent import and export rights, integrating R&D, production, sales and service. Taking scientific and technological innovation as the fundamental way out for development, we established a national high-pressure rubber hose laboratory in conjunction with Tsinghua University, established a scientific research achievements transformation base of Tsinghua University, improved the scientific and technological content of various rubber products such as ultra-high pressure, fire-resistant, large diameter rubber hose and multi-purpose rubber hose with leading scientific and technological transformation, and continued to gain new advantages in domestic and international market competition.

The company always adheres to the business philosophy of "quality first, honesty based, and customer first", takes creating a national brand, innovative development and manufacturing as its own responsibility, and steps into the international advanced industry by relying on high-quality products and reputation services.

Integrity is the eternal capital, and innovation is the driving force of enterprises. We will make unremitting efforts to forge the "Yitai" brand with craftsmanship.



## CERTIFICATE OF HONOR

# 荣誉证书



## PRODUCT CERTIFICATION

# 产品认证







COMPANY STYLE AND  
WORKSHOP PICTURE

# 公司风采及车间掠影

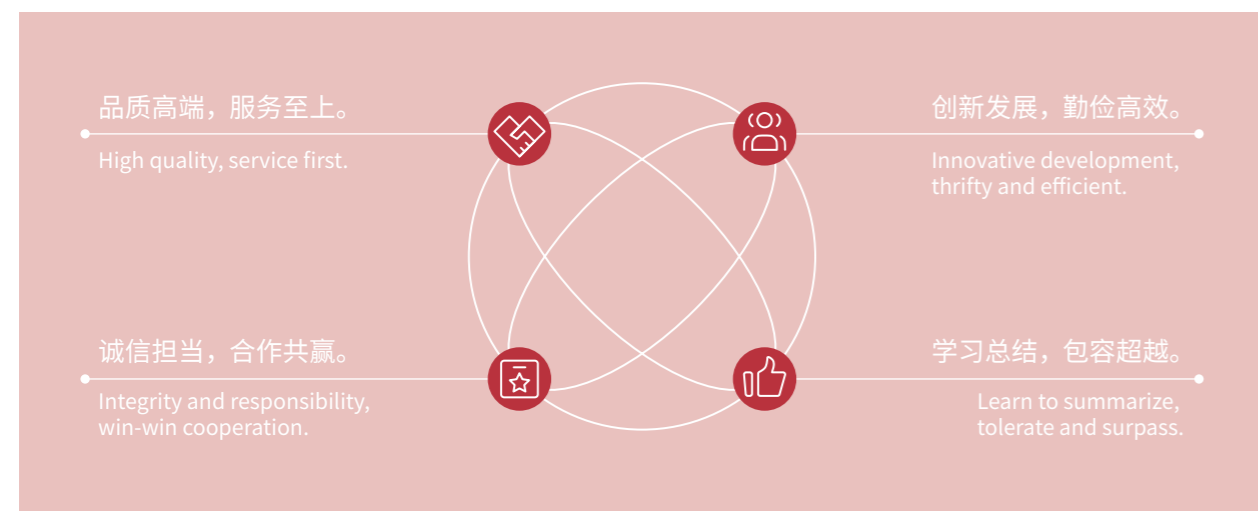




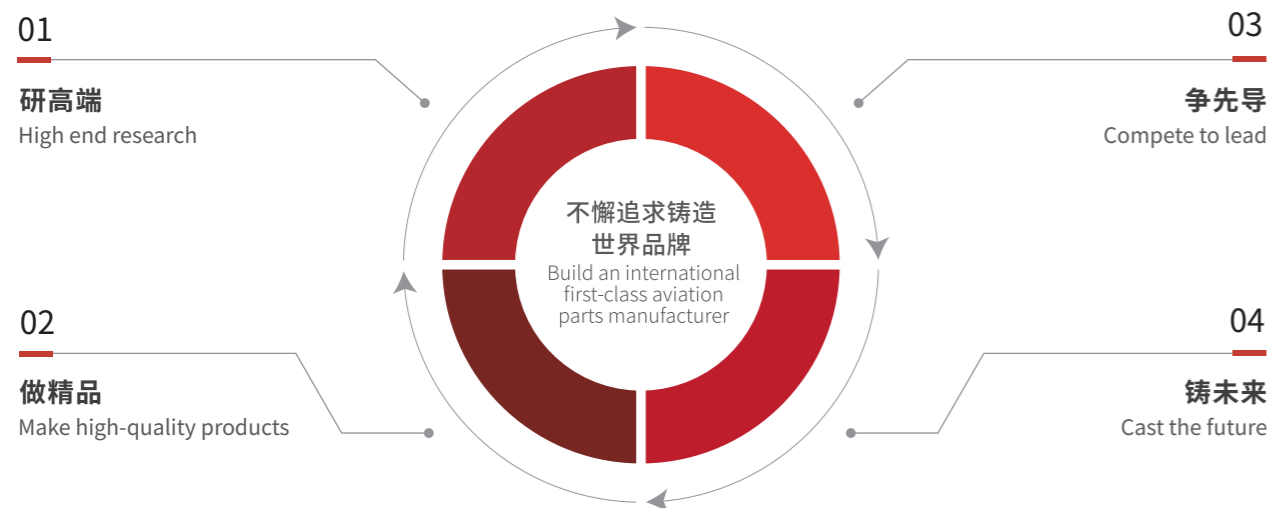
CORPORATE CULTURE

# 企业文化

## 企业理念



## 企业愿景



## 企业使命



## 企业服务



## 员工素养



PRODUCT APPEARANCE,  
IDENTIFICATION AND PACKAGING

# 产品外观、标识、包装

## 管体颜色 Color of hose

颜色类型	系列名称
黑色 Black	Black
蓝色 Blue	Blue
黄色 Yellow	Yellow
红色 Red	Red
绿色 Green	Green
灰色 Gray	Gray
白色 White	White

## 管体类型 Cover Type

<input type="checkbox"/> W 布纹 Wrapped	<input type="checkbox"/> S 光面 Smooth
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## 商标类型 Layline / Brandings / Logo Type

<input type="checkbox"/> P 印字 PRINTING	<input type="checkbox"/> I 喷码 INK	<input type="checkbox"/> E 刻字 Embossed
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## 包装类型 Packing Type

<input type="checkbox"/> R 卷 Roll	<input type="checkbox"/> PA 托盘 Pallet	<input type="checkbox"/> R 卷轴/滚筒 Reel
<input type="checkbox"/> CA 纸箱 Carton	<input type="checkbox"/> W 木箱 Wooden case	

## 产品认证 Certificate



DETAILS OF PRODUCT  
APPLICATION FIELDS

# 产品使用领域明细



石油设备  
Petroleum equipment



工程机械  
Engineer Equipments



矿山机械  
Mining Equipments



船舶机械  
Marine Equipment



港口搬运设备  
Port Handling Equipment



# 石油钻采管

OIL DRILLING AND  
PRODUCTION PIPE



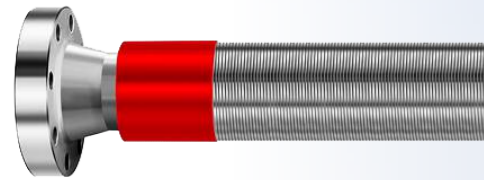
API 7K 系列 - 高压水泥软管



API 7K 系列 旋转钻井和减震软管



超耐磨酸化压裂软管



API 16C 系列 柔性节流和压井软管



BOP 井控耐火软管



BOP 井控耐火铠装软管



PTFE 多功能原油输送软管



吸排橡胶软管





## API 7K SERIES HIGH PRESSURE CEMENT HOSE

# API 7K 系列 - 高压水泥软管



应用范围	作为固井管汇的柔性连接件，在高压下输送水基泥浆、油基泥浆等。
内胶层	UPE 和 NR&SBR 合成橡胶。
内径类型	全流量。
增强层	多层缠绕的高强超柔钢丝或钢丝绳。
外胶层	耐磨、耐候合成橡胶。
温度范围	-20°C ~+121°C (-4 °F ~+250 °F)
执行标准	API Spec. 7K FSL0   ABS
接头类型	整体由壬或整体法兰。

Application	As a flexible connector of cementing manifold, it can transport water-based mud, oil-based mud, etc. under high pressure
Inner glue layer	UPE and NR&SBR synthetic rubber
Inner diameter type	Full flow
Enhancement layer	High strength super flexible steel wire or wire rope with multi-layer winding
Outer glue layer	Wear and weather resistant synthetic rubber
Temperature range	-20°C ~+121°C (-4 °F ~+250 °F)
Standards	API Spec. 7K FSL0   ABS
Joint type	Integral union or integral flange

压力等级	软管内径 I.D.	软管外径 O.D.	工作压力 W.P.	试验压力 P.P.	最大爆破压力 Max. B.P.	最小弯曲半径 Min. B.R.	重量 Weight
PRESSURE LEVEL	(in.)	(mm)	(psi)	(psi)	(psi)	(mm)	(kg/m)
10000	2	83	10000	15000	22500	1000	10.8
	2 1/2	98	10000	15000	22500	1000	19.4
	3	129	10000	15000	22500	1400	28
	3 1/2	137	10000	15000	22500	1400	33
	4	154	10000	15000	22500	1600	38.5
15000	2	101	15000	22500	33750	1200	20.5
	3	125	15000	22500	33750	1500	36

## API 7K SERIES ROTARY DRILLING & SHOCK ABSORPTION HOSE

# API 7K 系列 旋转钻井和减震软管



应用用途	钻井、修井作业中立管上端与顶部驱动器 / 旋转装置之间和泵与立管下端之间的柔性连接，在石油钻探和勘探工作中以高压泵送泥浆。
内层	NR&SBR 合成橡胶 / HNBR/UPE/PTFE。
内径类型	全流量。
增强层	2-6 层缠绕的高强超柔钢丝或钢丝绳。
外层	耐磨、耐候合成橡胶。
温度范围	-20°C ~+121°C (-4 °F ~+250 °F)
执行标准	API Spec. 7K FSL 1 FSL 2   ABS
接头类型	整体由壬或整体法兰。

Application	Flexible connection between upper end of neutral pipe and top driver/rotary device in drilling and workover operations, and between pump and lower end of riser, to pump mud at high pressure in oil drilling and exploration work
Inner layer	NR&SBR synthetic rubber/HNBR/UPE/PTFE
Inner diameter type	Full flow
Enhancement layer	2-6 layers of high strength super flexible wire or wire rope
Outer layer	Wear and weather resistant synthetic rubber
Temperature range	-20°C ~+121°C (-4 °F ~+250 °F)
Standards	API Spec. 7K FSL 1 FSL 2   ABS
Joint type	Integral union or integral flange

压力等级	软管内径 I.D.	软管外径 O.D.	工作压力 W.P.	试验压力 P.P.	最大爆破压力 Max. B.P.	最小弯曲半径 Min. B.R.	重量 Weight
PRESSURE LEVEL	(in.)	(mm)	(psi)	(psi)	(psi)	(mm)	(kg/m)
1500 A 级 Grade A	2	68	1500	2250	3750	800	4.3
	2 1/2	84	1500	2250	3750	800	5.6
2000 B 级 Grade B	2	68	2000	3000	5000	800	4.3
	2 1/2	84	2000	3000	5000	800	5.6
	3	97	2000	3000	5000	950	6.5
	3 1/2	113	2000	3000	5000	1000	8.5
	4	127	2000	3000	5000	1000	10.4
	5	157	2000	3000	5000	1200	14.0
	6	183	2000	3000	5000	1300	18.0
4000 C 级 Grade C	2	72	4000	6000	10000	800	6.4
	2 1/2	87	4000	6000	10000	800	8.7
	3	102	4000	6000	10000	1000	11.1
	3 1/2	119	4000	6000	10000	1200	14.4
	4	132	4000	6000	10000	1200	16.0
5000 D 级 Grade D	5	162	4000	6000	10000	1400	24.5
	6	194	4000	6000	10000	1500	33
	2	75	5000	7500	12500	800	6.4
	2 1/2	90	5000	7500	12500	800	8.7
	3	104	5000	7500	12500	1000	11.1
	3 1/2	121	5000	7500	12500	1200	14.4
7500 E 级 Grade E	4	134	5000	7500	12500	1200	16.0
	5	167	5000	7500	12500	1400	24.5
	6	196	5000	7500	12500	1600	33
	2	77	7500	11250	18750	900	8.5
	2 1/2	94	7500	11250	18750	1000	10.5
	3	110	7500	11250	18750	1000	18.5
	3 1/2	128	7500	11250	18750	1200	20
	4	150	7500	11250	18750	1400	30
7500 E 级 Grade E	5	183	7500	11250	18750	1600	49
	6	212	7500	11250	18750	1600	60

ULTRA WEAR-RESISTANT  
ACID FRACTURING HOSE

# 超耐磨酸化压裂软管



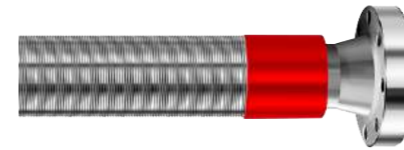
应用范围	完井作业中的酸化压裂、加砂压裂、水力压裂管线，在高压下输送水基、油基、泡沫、酸基等压裂液。
内层	UPE
内径类型	全流量。
增强层	多层缠绕的高强超柔钢丝或钢丝绳。
外层	耐磨、耐候合成橡胶。
温度范围	-20°C ~+100°C (-4 °F ~+212 °F)
执行标准	API Spec. 7K FSL0   ABS。
接头类型	整体由壬或整体法兰或其他形式。

Application	Acid fracturing, sand fracturing and hydraulic fracturing pipelines in well completion operations, and water base, oil-based, foam, acid base fracturing fluids under high pressure
Inner layer	UPE
Inner diameter type	Full flow
Enhancement layer	High strength super flexible steel wire or wire rope with multi-layer winding
Outer layer	Wear and weather resistant synthetic rubber
Temperature range	-20°C ~+100°C (-4 °F ~+212 °F)
Executive standards	API Spec. 7K FSL0   ABS
Joint type	Integral union or integral flange or other forms

规格型号 Size	内径 I.D.	外径 O.D.	工作压力 W.P.	试验压力 P.P.	最小弯曲半径 Min.B.R.	重量 Weight	流量 Volume	接头 Connections
(inch)	(mm)	(mm)	(psi)	(psi)	(m)	(kg/m)	(bbl/min)	
2"	51	105	15000	22500	1.5	20	12	3"1502 锤击由壬 或 3-1/16"API 15K 法兰连接
2.5"	64	130	15000	22500	1.6	32.0	18.5	3"1502 锤击由壬 或 3-1/16"API 15K 法兰连接
2 3/4"	70	135	15000	22500	1.6	36	22	3"1502 锤击由壬 或 3-1/16"API 15K 法兰连接
3"	76	141	15000	22500	1.7	41	28	3"1502 锤击由壬 或 3-1/16"API 15K 法兰连接
4"	102	180	15000	22500	2.0	60	47	4"1502 锤击由壬 或 4-1/16"API 15K 法兰连接
5"	127	215	15000	22500	2.1	88	80	5-1/8"API 15K 法兰连接
5 1/8"	130	218	15000	22500	2.1	92	84	5-1/8"API 15K 法兰连接
5 1/2"	140	228	15000	22500	2.2	97	120	7-1/16"API 15K 法兰连接
2"	51	118	20000	30000	1.7	37	14	2"2002 锤击由壬 或 3-1/16"API 20K 法兰连接
2 1/2"	64	133	20000	30000	1.8	41	21	2-1/2"2002 锤击由壬 或 3-1/16"API 20K 法兰连接
3"	76	148	20000	30000	1.9	45	32	3"2002 锤击由壬 或 3-1/16"API 20K 法兰连接

API 16C SERIES  
FLEXIBLE CHOKE AND KILL HOSE

# API 16C 系列柔性节流和压井软管



应用用途	节流压井管汇等的柔性连接管线，在高压下输送含有硫化氢 (H <sub>2</sub> S) 及其他危险气体的油气混合物及各种水基、油基、泡沫压井液等。
内层	HNBR
内径类型	全流量。
增强层	多层缠绕的高强超柔钢丝或钢丝绳。
外层	耐高温、耐火合成橡胶 (耐 +704°C 明火 30 分钟)。
外保护层	不锈钢铠装。
温度范围	-29°C ~+121°C (-20 °F ~+250 °F)
执行标准	API Spec. 16C FSL0 FSL1 FSL2 FSL3   ABS
接头类型	整体由壬或整体法兰。

Application	Flexible connecting pipelines of choke and kill manifolds, etc., deliver oil and gas mixtures containing hydrogen sulfide (H <sub>2</sub> S) and other dangerous gases and various water-based, oil-based, foam kill fluids under high pressure.
Inner layer	HNBR
Inner diameter type	Full flow
Enhancement layer	High strength super flexible steel wire or wire rope with multi-layer winding
Outer glue layer	High temperature resistant and fire-resistant synthetic rubber (resistant to +704 °C open fire for 30 minutes)
Protective layer	Stainless steel armor
Temperature Range	-29°C ~+121°C (-20 °F ~+250 °F)
Standard	API Spec. 16C FSL0 FSL1 FSL2 FSL3   ABS
Joint type	Integral union or integral flange

压力等级	软管内径 I.D.	软管外径 O.D.	工作压力 W.P.	试验压力 P.P.	最大爆破压力 Max.B.P.	最小弯曲半径 Min. B.R.	重量 Weight
PRESSURE LEVEL	(in.)	(mm)	(psi)	(psi)	(psi)	(mm)	(kg/m)
5000	2	95	5000	7500	11250	1000	7.9
	3	126	5000	7500	11250	1200	13.1
	4	163	5000	7500	11250	1400	18
7500	5	193	5000	7500	11250	1600	27
	2	97	7500	11250	16875	1000	10
	3	132	7500	11250	16875	1200	20.5
10000	4	178	7500	11250	16875	1600	32
	5	210	7500	11250	16875	1800	51.5
	2	105	10000	15000	22500	1200	12.3
15000	3	123	10000	15000	22500	1600	30
	3 1/2	160	10000	15000	22500	1600	35
	5	180	10000	15000	22500	1800	62
15000	2	123	15000	22500	33750	1400	22
	3	154	15000	22500	33750	1600	38



BOP WELL CONTROL  
FIRE-RESISTANT HOSE

# BOP 井控耐火软管



应用范围	在井控系统中用于远程控制防喷器开合，在高压下输送液压油。
内胶层	NBR
内管类型	全流量。
增强层	4层缠绕的高强超柔钢丝。
外层胶	耐高温、耐火合成橡胶。
保护层	不锈钢铠装。
温度范围	-45°C ~ +100°C (-49 °F ~ +212 °F) 耐火符合 API Spec. 16D, 704°C × 5 分钟耐火测试无泄漏。
执行标准	API Spec. 16D   Lloyds

Application	It is used in the well control system to remotely control the opening and closing of the BOP, and to deliver hydraulic oil under high pressure
Inner glue layer	NBR
Inner tube type	Full flow
Enhancement layer	4-layer wound high-strength super flexible steel wire
Outer glue layer	High temperature resistant and fire-resistant synthetic rubber
Protective layer	Stainless steel armor
Temperature Range	-45 °C ~ +100 °C (- 49 °F ~ +212 °F) fire resistance meets API Spec. 16D, 704 °C × 5 min fire test without leakage
Standard	API Spec. 16D   Lloyds

软管内径 I.D.	工作压力 W.P.	试验压力 P.P.	最小爆破压力 Min. B.P.	最小弯曲半径 Min. B.R.	重量 Weight
(in.)	(psi)	(psi)	(psi)	(mm)	(kg/m)
1/2	5000	7500	15000	300	0.9
3/4	5000	7500	15000	400	1.5
1	5000	7500	15000	500	2.1
1 1/2	5000	7500	15000	700	3.6
2	5000	7500	15000	800	5

BOP WELL CONTROL  
FIRE-RESISTANT ARMORED HOSE

# BOP 井控耐火铠装软管



应用范围	钻井控制装置的液压控制管线。
内胶层	NBR
增强层	4层缠绕钢丝。
阻燃层	耐火橡胶。
保护层	不锈钢铠装。
耐火层	耐火橡胶(耐明火+705°C)。
温度范围	-40°C ~ + 80°C
执行标准	API Spec 16D

Application	hydraulic control pipelines for BOP control equipments
Inner Tube	NBR
Reinforcement	4 layers of high tensile spiral steel wire
Flame Retardant Layer	fire resistant rubber
Outer Protective Layer	stainless steel armor
Flame Resistant Layer	fire resistant rubber,(705°C open fire resistant)
Temperature Range	-40°C ~ +80°C
Standard	API Spec 16D

软管内径 I.D.	工作压力 W.P.	试验压力 P.P.	最小爆破压力 Min. B.P.	最小弯曲半径 Min. B.R.	重量 Weight
(in.)	(psi)	(psi)	(psi)	(mm)	(kg/m)
1/2	5000	7500	15000	300	0.9
3/4	5000	7500	15000	400	1.5
1	5000	7500	15000	500	2.1
1 1/2	5000	7500	15000	700	3.6
2	5000	7500	15000	800	5



## PTFE MULTI-PURPOSE CRUDE OIL TRANSFER HOSE

# PTFE 多功能原油输送软管



应用范围	适用于输送燃油、原油、汽油等石油产品，PTFE 内 附层使该软管具有强大的耐腐蚀、高润滑等特性，其最佳的化学稳定性使其不与石油产品中的化学物质发生反应，保证安全高效的运输。
内胶层	UPE/PTFE
内管类型	全流量。
增强层	多层帘子布缠绕及高灵活性螺旋钢丝。
外胶层	合成橡胶。
保护层	不锈钢铠装。
温度范围	-30°C ~+100°C (-22 °F ~+212 °F) ; -40°C ~+150°C (-40 °F ~+302 °F) 压力与尺寸均可定制。

Application	It is suitable for transporting petroleum products such as fuel oil, crude oil and gasoline. PTFE inner layer makes the hose have strong corrosion resistance, high lubrication and other characteristics. Its excellent chemical stability makes it not react with chemical substances in petroleum products, ensuring safe and efficient transportation.
Inner glue layer	UPE/PTFE
Inner tube type	Full flow
Enhancement layer	Winding of multi-layer cord fabric and high flexibility spiral steel wire
Outer glue layer	synthetic rubber
Protective layer	Stainless steel armor
Temperature Range	-30°C ~+100°C (-22 °F ~+212 °F) ; -40 °C ~+150 °C (-40 °F ~+302 °F) pressure and size can be customized

软管内径 I.D.		软管外径 O.D.		最大工作压力 MaxRec.WP	最小爆破压力 Min.B.P.	最小弯曲半径 Min. B.R.	重量 Weight
(in.)	(mm)	(in.)	(mm)	(psi)	(psi)	(mm)	(kg/m)
2	51	2.4	65	350	875	381	1.25
2 1/2	63	2.95	75	350	875	508	1.79
3	76	3.46	88	350	875	508	2.14
3 1/2	90	4.02	102	350	875	635	2.71
4	102	4.49	114	350	875	762	3.02
5	127	5.55	141	350	875	889	4.73
6	152	6.54	166	350	875	1270	5.97

## SUCTION AND DISCHARGE RUBBER HOSE

# 吸排橡胶软管



吸排橡胶软管广泛用于工业、农业、矿山、建筑业等领域，主要用于抽吸或排送水、油、砂、水泥等液体或固体物料。其具有承受正压和负压的双重功效。管体具有良好的弯曲性能，在承受真空度 60~80Kpa 的条件下能正常使用，不吸扁、不脱层，管体坚固。内胶层可耐不同介质侵蚀，外胶层利天候老化、耐磨损、胶管表面为波纹面和平面两种，亦可做成外铠装形式，还可根据用户需要配置各种形式的金属接头、总成。

The suction and discharge rubber hoses are widely used in industry, clothing, mining, construction and other fields, mainly for suction or discharge of liquid or solid materials such as water, oil, sand, cement, etc. It has the dual effect of withstanding positive pressure and negative pressure. The tube body has good bending performance and can be used normally under the condition of withstanding vacuum degree of 60~80Kpa. The tube body is firm without flat absorption and delamination. The inner rubber layer can resist the corrosion of different media. The outer rubber layer is weather resistant and wear-resistant. The surface of the rubber hose is corrugated and flat. It can also be made into the outer armor form. Various forms of metal joints and assemblies can also be configured according to the user's needs.

类别 Category	执行标准 Standards	性能和用途 Performance and purpose
吸排水橡胶软管 Water suction and drainage rubber hose	HG/T3035	用途：吸引或排送水及中性液体。结构：内胶层为黑色或浅色合成胶；骨架层为合成织物层、螺旋钢丝层；外胶层可选用黑色或红、黄、蓝等浅色胶料、内外胶也可用 EPDM 合成胶。使用温度：-20°C ~+45°C (-4° F~+113° F)。 EPDM 管：-20°C ~+120°C (-4° F~+248° F)。 Purpose: To attract or discharge water and neutral liquid. Structure: The inner rubber layer is black or light synthetic rubber; The skeleton layer is a synthetic fabric layer and a spiral steel wire layer; The outer glue layer can be black or light colored glue such as red, yellow and blue. The inner and outer glue can also be EPDM synthetic glue. Operating temperature: -20 °C ~+45 °C (-4 ° F~+113 ° F) EPDM pipe: -20 °C ~+120 °C (-4 ° F~+248 ° F)
吸排油橡胶软管 Rubber hose for oil suction and discharge	HG/T3038	用途：吸排柴油、汽油、矿物油类。也可生产导电橡胶管。结构：内胶层为黑色合成胶；骨架层为合成织物层、螺旋钢丝层；外胶层可选用黑色或红、黄、蓝等浅色耐油胶料。使用温度：-20°C ~+120°C (-4° F~+248° F)。 Uses: Suction and discharge of diesel, gasoline and mineral oils. It can also produce static conductive rubber hose. Structure: The inner rubber layer is black synthetic rubber; The skeleton layer is a synthetic fabric layer and a spiral steel wire layer; The outer glue layer can be black or light color oil resistant glue such as red, yellow and blue. Operating temperature: -20 °C ~+120 °C (-4 ° F ~+248 ° F)
吸排喷砂橡胶软管 Rubber hose for suction and discharge sandblasting	HG/T2192	用途：常温下抽吸矿砂、煤屑、泥浆等固体或液体物料。结构：内胶层为黑色合成胶，耐磨、耐冲击；骨架层为合成织物层、螺旋钢丝层；外胶层可选用黑色或红、黄、蓝等浅色胶料。使用温度：-20°C ~+45°C (-4° F~+113° F)。 Purpose: suction of solid or liquid materials such as mineral sand, coal chips and mud at normal temperature. Structure: The inner rubber layer is black synthetic rubber, which is wear-resistant and impact resistant; The skeleton layer is a synthetic fabric layer and a spiral steel wire layer; The outer glue layer can be black or light colored glue such as red, yellow and blue. Operating temperature: -20 °C ~+45 °C (-4 ° F~+113 ° F)

内径 I.D.		工作压力 W.P.				最大长度 Maximum length
		吸排水橡胶软管 Water suction and drainage rubber hose		吸排油、吸排酸碱、吸排喷砂橡胶软管 Rubber hoses for oil suction and drainage, acid and alkali suction and drainage, and sand blasting		
in	mm	Psi	MPa	Psi	MPa	m
3/4	19	43~712	0.3~5.0	43~541	0.3~3.8	40±1%
1	25	43~598	0.3~4.2	43~441	0.3~3.1	
1 1/4	32	43~484	0.3~3.4	43~356	0.3~2.5	
1 1/2	38	43~427	0.3~3.0	43~313	0.3~2.2	
2	51	43~655	0.3~4.6	43~484	0.3~3.4	
2 1/2	64	43~541	0.3~3.8	43~400	0.3~2.8	
3	76	43~456	0.3~3.2	43~342	0.3~2.4	
3 1/2	89	43~400	0.3~2.8	43~300	0.3~2.1	
4	102	43~569	0.3~4.0	43~427	0.3~3.0	
4 1/4	108	43~541	0.3~3.8	43~400	0.3~2.8	
4 1/2	115	43~513	0.3~3.6	43~385	0.3~2.7	
5	127	43~470	0.3~3.3	43~342	0.3~2.4	
6	152	43~400	0.3~2.8	43~300	0.3~2.1	
6 1/4	159	43~385	0.3~2.7	43~285	0.3~2.0	
8	203	43~285	0.3~2.0	43~228	0.3~1.6	10±1%
10	254	43~242	0.3~1.7	43~185	0.3~1.3	
12	305	43~200	0.3~1.4	43~143	0.3~1.0	
14	355	43~171	0.3~1.2	43~129	0.3~0.9	
16	405	43~143	0.3~1.0	43~100	0.3~0.7	
18	455	43~129	0.3~0.9	43~86	0.3~0.6	
20	508	43~114	0.3~0.8	43~86	0.3~0.6	



# 工程机械管总成类

PIPE ASSEMBLY OF  
CONSTRUCTION MACHINERY



SAE 100R1AT/EN853 1SN 钢丝编织橡胶软管



SAE 100R2AT/EN853 2SN 钢丝编织橡胶软管



EN 856-4SP 钢丝缠绕橡胶软管



EN 856-4SH 钢丝缠绕橡胶软管)



SAE 100R13 钢丝缠绕橡胶软管



SAE 100R15 重型高脉冲多层钢丝增强橡胶软管





SAE 100R1AT/EN853 1SN  
WIRE BRAID HYDRAULIC RUBBER HOSE



## SAE 100R1AT/EN853 1SN 钢丝编织橡胶软管



<b>用途</b>	适用于输送液压流体和水性流体。
<b>结构</b>	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 DIN EN853 1SN、SAE J517 100R1AT 标准，工作温度 -40°C~+100°C (-40 °F~+212 °F)。
<b>APPLICATIONS</b>	For the delivery of hydraulic liquids or water based liquids.
<b>CONSTRUCTION</b>	Made of excellent oil resistant and anti-aging rubber. The reinforcement is copper-clad steel wire. The cover is available in black color with wrapped surface. The hose is made in conformity with DIN EN853 1SN standard and SAE J517 100R1AT standard. Working temperature range is -40°C~+100°C (-40 °F~+212 °F).

规格型号 Size	软管内径 I.D.		增强层外径 W.D.		软外径 O.D.		外胶层厚度		最大工作压力 Max.W.P	试验压力 P.P	最小爆破压力 Min.P.P	最小弯曲半径 Min.B.R	参考重量 W.T
	最小 MIN	最大 MAX	最小 MIN	最大 MAX	最大 MAX	最小 MIN	最大 MAX						
DASH	IN	mm	mm	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	Kg/m
-3	3/16	4.6	5.4	9.0	10.0	12.5	0.8	1.5	25.0	50.0	100.0	90	0.20
-4	1/4	6.2	7.0	10.6	11.6	14.1	0.8	1.5	22.5	45.0	90.0	100	0.23
-5	5/16	7.7	8.5	12.1	13.3	15.7	0.8	1.5	21.5	43.0	85.0	115	0.28
-6	3/8	9.3	10.1	14.5	15.7	18.1	0.8	1.5	18.0	36.0	72.0	130	0.33
-8	1/2	12.3	13.5	17.5	19.0	21.4	0.8	1.5	16.0	32.0	64.0	180	0.40
-10	5/8	15.5	16.7	20.6	22.2	24.5	0.8	1.5	13.0	26.0	52.0	200	0.48
-12	3/4	18.6	19.8	24.6	26.2	28.5	0.8	1.5	10.5	21.0	42.0	240	0.62
-16	1	25.0	26.4	32.5	34.1	36.6	0.8	1.5	8.8	17.5	35.0	300	0.91
-20	1 1/4	31.4	33.0	39.3	41.7	44.8	1.0	2.0	6.3	13.0	25.0	420	1.18
-24	1 1/2	37.7	39.3	45.6	48.0	52.1	1.3	2.5	5.0	10.0	20.0	500	1.42
-32	2	50.4	52.0	58.7	61.7	65.5	1.3	2.5	4.0	8.0	16.0	630	1.90

管体颜色  商标类型

管体类型   包装类型

产品认证

相关标准  ISO1436:2009  GBT 3683-2011-1 层  GB/T1690-2010 ISO1817:2005  GB/T7528-2002 ISO8330:1998  GB/T7939-2008 ISO6605:2002

SAE 100R2AT/EN853 2SN  
WIRE BRAID HYDRAULIC RUBBER HOSE



## SAE 100R2AT/EN853 2SN 钢丝编织橡胶软管



<b>用途</b>	适用于输送液压流体和水性流体。
<b>结构</b>	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 DIN EN853 2SN、SAE J517 100R2AT 标准，工作温度 -40°C~+100°C (-40 °F~+212 °F)。
<b>APPLICATIONS</b>	For the delivery of hydraulic liquids or water based liquids.
<b>CONSTRUCTION</b>	Made of excellent oil resistant and anti-aging rubber. The reinforcement is copper-clad steel wire. The cover is available in black color with wrapped surface. The hose is made in conformity with DIN EN853 2SN standard and SAE J517 100R2AT standard. Working temperature range is -40°C~+100°C (-40 °F~+212 °F).

规格型号 Size	软管内径 I.D.		增强层外径 W.D.		软外径 O.D.		外胶层厚度		最大工作压力 Max.W.P	试验压力 P.P	最小爆破压力 Min.P.P	最小弯曲半径 Min.B.R	参考重量 W.T
	最小 MIN	最大 MAX	最小 MIN	最大 MAX	最大 MAX	最小 MIN	最大 MAX						
DASH	IN	mm	mm	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	Kg/m
-3	3/16	4.6	5.4	10.6	11.6	14.1	0.8	1.5	41.5	83.0	166.0	90	0.32
-4	1/4	6.2	7.0	12.1	13.3	15.7	0.8	1.5	40.0	80.0	160.0	100	0.35
-5	5/16	7.7	8.5	13.7	14.9	17.3	0.8	1.5	35.0	70.0	140.0	115	0.41
-6	3/8	9.3	10.1	16.1	17.3	19.7	0.8	1.5	33.0	66.0	132.0	130	0.50
-8	1/2	12.3	13.5	19.0	20.6	23.0	0.8	1.5	27.5	55.0	110.0	180	0.62
-10	5/8	15.5	16.7	22.2	23.8	26.2	0.8	1.5	25.0	50.0	100.0	200	0.72
-12	3/4	18.6	19.8	26.2	27.8	30.1	0.8	1.5	21.5	43.0	85.0	240	0.92
-16	1	25.0	26.4	34.1	35.7	38.9	0.8	1.5	16.5	32.5	65.0	300	1.30
-20	1 1/4	31.4	33.0	43.3	45.7	49.5	1.0	2.0	12.5	25.0	50.0	420	1.80
-24	1 1/2	37.7	39.3	49.6	52.0	55.9	1.3	2.5	9.0	18.0	36.0	500	2.20
-32	2	50.4	52.0	62.3	64.7	68.6	1.3	2.5	8.0	16.0	32.0	630	3.00

管体颜色  商标类型

管体类型   包装类型

产品认证

相关标准  ISO1436:2009  GBT 3683-2011-1 层  GB/T1690-2010 ISO1817:2005  GB/T7528-2002 ISO8330:1998  GB/T7939-2008 ISO6605:2002

EN 856-4SP  
WIRE SIRAL HYDRAULIC RUBBER HOSE



# EN 856-4SP 钢丝缠绕橡胶软管



<b>用途</b>	适用于石油基液压油，温度范围 -40°C~+100°C (-40°F~+212°F) 的软管。
<b>结构</b>	软管由一层耐油、合成橡胶内胶层、四层钢丝缠绕层和一层耐油、耐天候合成橡胶外层胶组成。软管执行 EN856-4SP 标准，GB/T10544-2013 标准。
<b>APPLICATIONS</b>	This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40° C +100° C (-40° F +212° F).
<b>CONSTRUCTION</b>	This hose shall consist of an inner tube of oil resistant synthetic rubber, four plies of steel wire wrapped in alternating directions and an oil and weather resistant synthetic rubber cover. The hose is made in conformity with EN856-4SP and GB/T 10544-2013 standard.

规格型号 Size	软管内径 I.D.		增强层外径 W.D.		软外径 O.D.		最大工作压力 Max.W.P	试验压力 P.P	最小爆破压力 Min.P.P	最小弯曲半径 Min.B.R	参考重量 W.T	
	最小 MIN	最大 MAX	最小 MIN	最大 MAX	最小 MIN	最大 MAX						
DASH	IN	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	Kg/m	
-4	1/4	6.2	7.0	14.1	15.3	17.1	18.7	45	90	180	150	0.64
-6	3/8	9.3	10.1	16.9	18.1	20.6	22.2	44.5	89	178	180	0.75
-8	1/2	12.3	13.5	19.4	21.0	23.8	25.4	41.5	83	166	230	0.90
-10	5/8	15.5	16.7	23.0	24.6	27.4	29.0	35	70	140	250	1.10
-12	3/4	18.6	19.8	27.4	29.0	31.4	33.0	35	70	140	300	1.44
-16	1	25.0	26.4	34.5	36.1	38.5	40.9	28	56	112	340	1.98
-20	1 1/4	31.4	33.0	45.0	47.0	49.2	52.4	21	42	84	460	2.85
-24	1 1/2	37.7	39.3	51.4	53.4	55.6	58.8	18.5	37	74	560	3.35
-32	2	50.4	52.0	64.3	66.3	68.2	71.4	16.5	33	66	660	5.40

管体颜色  Black 黑色 商标类型  P 印字  I 喷码  E 刻字

管体类型  W 布纹  S 光面 包装类型  R 卷  PA 托盘  R 卷轴/滚筒

产品认证

相关标准 ⊕ ISO1436:2009 ⊕ GBT 3683-2011-1 层 ⊕ GB/T1690-2010 ISO1817:2005 ⊕ GB/T7528-2002 ISO8330:1998 ⊕ GB/T7939-2008 ISO6605:2002

EN 856-4SH  
WIRE SIRAL HYDRAULIC RUBBER HOSE



# EN 856-4SH 钢丝缠绕橡胶软管



<b>用途</b>	适用于石油基液压油，温度范围 -40°C~+100°C (-40°F~+212°F) 的软管。
<b>结构</b>	软管由一层氯丁橡胶内胶层、四层高强度钢丝缠绕层和一层耐油、耐天候合成橡胶外层胶组成。软管执行 EN856-4SH 标准，GB/T10544-2013 标准。
<b>APPLICATIONS</b>	This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40° C +100° C (-40° F +212° F).
<b>CONSTRUCTION</b>	This hose shall consist of an inner tube of oil resistant synthetic rubber, four plies of steel wire wrapped in alternating directions and an oil and weather resistant synthetic rubber cover. The hose is made in conformity with EN856-4SH and GB/T 10544-2013 standard.

规格型号 Size	软管内径 I.D.		增强层外径 W.D.		软外径 O.D.		最大工作压力 Max.W.P	试验压力 P.P	最小爆破压力 Min.P.P	最小弯曲半径 Min.B.R	参考重量 W.T	
	最小 MIN	最大 MAX	最小 MIN	最大 MAX	最小 MIN	最大 MAX						
DASH	IN	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	Kg/m	
-10	5/8	15.5	16.7	23.2	24.8	27.4	29.0	45	90	180	250	1.10
-12	3/4	18.6	19.8	27.6	29.2	31.4	33.0	42	84	168	280	1.40
-16	1	25.0	26.4	34.4	36.0	37.5	39.9	38	76	152	340	2.00
-20	1 1/4	31.4	33.0	40.9	42.9	43.9	47.1	32.5	65	130	460	2.55
-24	1 1/2	37.7	39.3	47.8	49.8	51.9	55.1	29	58	116	560	3.05
-32	2	50.4	52.0	62.2	64.2	66.5	69.7	25	50180	100	700	4.35

管体颜色  Black 黑色 商标类型  P 印字  I 喷码  E 刻字

管体类型  W 布纹  S 光面 包装类型  R 卷  PA 托盘  R 卷轴/滚筒

产品认证

相关标准 ⊕ ISO1436:2009 ⊕ GBT 3683-2011-1 层 ⊕ GB/T1690-2010 ISO1817:2005 ⊕ GB/T7528-2002 ISO8330:1998 ⊕ GB/T7939-2008 ISO6605:2002



SAE 100R13  
WIRE SIRAL HYDRAULIC RUBBER HOSE



# SAE 100R13 钢丝缠绕橡胶软管



<b>用途</b>	适用于石油基液压油，温度范围 -40°C~ +121°C (-40 °F~ +250 °F) 的软管，适用于苛刻条件下的高温中压软管。
<b>结构</b>	软管由一层耐热油合成橡胶内胶层、多层钢丝缠绕层和一层耐油、耐天候合成橡胶外层胶组成。软管执行 SAE100R13 标准，GB/T10544-2013 标准。
<b>APPLICATIONS</b>	This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40° C +121° C(-40° F +250° F).
<b>CONSTRUCTION</b>	This hose shall consist of an inner tube of oil resistant synthetic rubber,multiple spiral plies of steel wire wrapped in alternating directions and an oil and weatherresistant synthetic rubber cover. The hose is made in conformity with SAE 100R13 and GB/T 10544-2013 standard.

规格型号 Size	软管内径 I.D.		增强层外径 W.D.		软外径 O.D.		最大工作压力 Max.W.P	试验压力 P.P	最小爆破压力 Min.P.P	最小弯曲半径 Min.B.R	参考重量 W.T	
	最小 MIN	最大 MAX	最小 MIN	最大 MAX	最小 MIN	最大 MAX						
DASH IN	mm	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	Kg/m	
-12	3/4	18.6	19.8	28.2	29.8	31.0	33.2	35	70	140	240	1.50
-16	1	25.0	26.4	34.9	36.4	37.6	39.8	35	70	140	300	2.00
-20	1 1/4	31.4	33.0	45.6	48.0	48.3	51.3	35	70	140	420	3.80
-24	1 1/2	37.7	39.3	53.1	55.5	55.8	58.8	35	70	140	500	4.50
-32	2	50.4	52.0	66.9	69.3	69.5	72.7	35	70	140	640	6.50

管体颜色  Black 黑色      商标类型  P 印字  I 喷码  E 刻字

管体类型  W 布纹  S 光面      包装类型  R 卷  PA 托盘  R 卷轴/滚筒

产品认证

相关标准 ⊕ ISO1436:2009 ⊕ GBT 3683-2011-1 层 ⊕ GB/T1690-2010 ISO1817:2005 ⊕ GB/T7528-2002 ISO8330:1998 ⊕ GB/T7939-2008 ISO6605:2002

SAE 100R15 -HEAVY DUTY HIGH IMPULSE MUTIPLE SPIRAL  
STEEL WIRE REINFORCED HYDRAULIC RUBBER HOSE



# SAE 100R15 重型高脉冲多层钢丝增强橡胶软管



<b>用途</b>	适用于石油基液压油，温度范围 -40°C~ +121°C (-40 °F~ +250 °F) 的软管。
<b>结构</b>	软管由一层耐热油合成橡胶内胶层，多层交替方向的高强度钢丝缠绕层和一层耐天候的合成橡胶外层胶层组成。
<b>APPLICATIONS</b>	This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40° C +121° C(-40° F +250° F).
<b>CONSTRUCTION</b>	This hose shall consist of an inner tube of oil resistant synthetic rubber,multiple spiral plies of steel wire wrapped in alternating directions and an oil and weather resistant synthetic rubber cover.

规格型号 Size	软管内径 I.D.		增强层外径 W.D.		软外径 O.D.		最大工作压力 Max.W.P	试验压力 P.P	最小爆破压力 Min.P.P	最小弯曲半径 Min.B.R	参考重量 W.T
	最小 MIN	最大 MAX	最小 MIN	最大 MAX	最小 MIN	最大 MAX					
DASH IN	mm	mm	mm	mm	mm	mm	MPa	MPa	MPa	mm	Kg/m
-6	3/8	9.3	10.1	20.3	23.3	23.3	42	84	168	150	0.75
-8	1/2	12.3	13.5	24.0	26.8	26.8	42	84	168	200	0.90
-12	3/4	18.6	19.8	32.9	36.1	36.1	42	84	168	265	1.40
-16	1	25.0	26.4	38.9	42.9	42.9	42	84	168	330	2.10
-20	1 1/4	31.4	33.0	48.4	51.5	51.5	42	84	168	445	3.90
-24	1 1/2	37.7	39.3	56.3	59.6	59.6	42	84	168	530	4.65

管体颜色  Black 黑色      商标类型  P 印字  I 喷码  E 刻字

管体类型  W 布纹  S 光面      包装类型  R 卷  PA 托盘  R 卷轴/滚筒

产品认证

相关标准 ⊕ ISO1436:2009 ⊕ GBT 3683-2011-1 层 ⊕ GB/T1690-2010 ISO1817:2005 ⊕ GB/T7528-2002 ISO8330:1998 ⊕ GB/T7939-2008 ISO6605:2002

# 石油钻采配套产品

PETROLEUM DRILLING AND  
PRODUCTION SUPPORTING PRODUCTS



高、中、低压由壬



高强度活动弯头



短接



高、低压法兰



高压快速接头



万向自封式管接头



扳把式快速接头



自封由壬管接头



万向弯头







## HIGH STRENGTH MOVABLE ELBOW

# 高强度活动弯头

活动弯头采用高强度合金钢锻造加工而成，并经过热处理，保证了在额定工作压力下的使用强度，使用寿命长。两端可以用 LP 内螺纹联接，也可以用壬联接，适用于各种各样管道安装方式。

The movable elbow is forged from high-strength alloy steel and has been heat treated to ensure its service strength under rated working pressure and long service life. Both ends can be connected by LP internal thread or union, which is suitable for various pipe installation methods.



## SHORT CIRCUIT

# 短接

两端联接方式采用由壬联接或 LP 螺纹标准连接，均采用高强度合金锻件加工合成，并经严格热处理，保证接头的耐用性和承压能力。

The union connection or LP thread standard connection is adopted for the connection at both ends, and high-strength alloy forgings are used for processing and synthesis, and strict heat treatment is carried out to ensure the durability and pressure bearing capacity of the joint.



管体颜色  Black 黑色

商标类型  P 印字  I 喷码  E 刻字

管体类型  W 布纹  S 光面

包装类型  R 卷  PA 托盘  R 卷轴/滚筒

产品认证

## HIGH PRESSURE FLANGE

# 高压法兰

高压法兰引进国际先进技术，采用高强度合金钢锻造而成，严格的热处理确保有均匀一致的金相组织和承压能力。被广泛应用于石油化工、锅炉压力容器、船舶等行业的高压连接。

High pressure flange is forged with high-strength alloy steel by introducing international advanced technology. Strict heat treatment ensures uniform metallographic structure and pressure bearing capacity. It is widely used in high pressure connection of petrochemical, boiler and pressure vessel, ship and other industries.



执行标准 API Spec 6A

Executive standards API Spec 6A

额定工作压力 Rated working pressure		6B 型 6B Type		6B 型 6B Type	
(MPa)	(Psi)	(mm)	(in)	(mm)	(in)
13.8	2000	52	2 1/16		
		65	2 9/16		
		80	3 1/8		
		103	4 1/16		
20.7	3000	52	2 1/16		
		65	2 9/16		
		80	3 1/8		
		103	4 1/16		
34.5	5000	52	2 1/16		
		65	2 9/16		
		80	3 1/8		
		103	4 1/16		
69.0	10000			46	1 13/16
				52	2 1/16
				65	2 9/16
				78	3 1/16
				103	4 1/16
103.5	15000			46	1 13/16
				52	2 1/16
				65	2 9/16
				78	3 1/16
				103	4 1/16



LOW PRESSURE  
FLANGE

# 低压法兰

国标 GB/T 2506-2005



公称压力 PN/MPa	公称通径 DN	钢管外径 A		连接尺寸			密封面		端距 h	螺栓螺纹及通孔			质量 / kg	
		第一系列	第二系列	D	K	B	C	d		f	Th.	L		n
0.25	10	17.2	17	75	50	18	12	33	2	4	M10	11	0.31	
	15	21.3	22	80	55	23								38
	20	26.9	27	90	65	28								
	25	33.7	34	100	75	35	58							
	32	42.4	42	120	90	43		69						
	40	48.3	48	130	100	49	78							
	50	60.3	60	140	110	61		88						
	65	76.1	76	160	130	77.5	108							
	80	88.9	89	190	150	90.5		124						
	100	114.3	114	210	170	116	144							
	125	139.7	140	240	200	142		174						
	150	168.3	168	265	225	170	199							
	175	193.7	194	295	255	196		232						
	200	219.1	219	320	280	221.5	254							
	225	—	245	345	305	248		282						
	250	273		375	335	276.5	309							
	300	323.9	325	440	395	328.5		363						
	350	355.6	377	490	445	360 381	413							
400	406.4	426	540	495	410 430	463								
450	457	480	595	550	462 485		518							
500	508	530	645	600	513 535	568								
600	610	630	755	705	615 635		667							

## 美标 ANSI B16.5 CLASS 150 FLANGES

Nominal pipe size	Outside Diam	O.D.of Raised Face	At Base of Hub	Thickness	BORE			LENGTH THRU HUB			Diam.of Hub at Bevel	Radius of Fillet	Thread Length
					Welding Neck Socket Welding	Slip-on Socket Welding	Lap Joint	Welding Neck	Slip-on Threaded Socket Welding	Lap Joint			
	D	G	X	T	B1	B2	B3	T1	T2	T3	A	R	Q
1/2	89	35.1	30.2	11.2	15.7	22.4	22.9	47.8	15.7	15.7	21.3	3.0	15.7
	99	42.9	38.1	12.7	20.8	27.7	28.2	52.3	15.7	15.7	26.7	3.0	15.7
	108	50.8	49.3	14.2	26.7	34.5	35.1	55.6	17.5	17.5	33.5	3.0	17.5
1 1/4	117	63.5	58.7	15.7	35.1	43.2	43.7	57.2	20.6	20.6	42.2	4.8	20.6
	127	73.2	65.0	17.5	40.9	49.5	50.0	62.0	22.4	22.4	48.3	6.4	22.4
	152	91.9	77.7	19.1	52.6	62.0	62.5	63.5	25.4	25.4	60.5	7.9	25.4
2 1/2	178	104.6	90.4	22.4	62.7	74.7	75.4	69.9	28.4	28.4	73.2	7.9	28.4
	191	127.0	108.0	23.9	78.0	90.7	91.4	69.9	30.2	30.2	88.9	9.7	30.2
	216	133.7	122.2	23.9	90.2	103.4	104.1	71.4	31.8	31.8	101.6	9.7	31.8
4	229	157.2	134.9	23.9	102.4	116.1	116.8	76.2	33.3	33.3	114.3	11.2	33.3
	254	185.7	163.6	23.9	128.3	143.8	144.5	88.9	36.3	36.6	141.2	11.2	36.6
	279	215.9	192.0	25.4	154.2	170.7	171.5	88.9	39.6	39.6	168.4	12.7	39.6
8	343	269.7	246.1	28.4	202.7	221.5	222.3	101.6	44.5	44.5	219.2	12.7	44.5
	406	323.9	304.8	30.2	254.5	276.4	277.4	101.6	49.3	49.3	273.1	12.7	49.3
	483	381.0	365.3	31.8	304.8	327.2	328.3	114.3	55.6	55.6	323.9	12.7	55.6
14	533	412.8	400.1	35.1	336.6	359.2	360.2	127.0	57.2	79.2	355.6	12.7	57.2
	597	469.9	457.2	36.6	387.1	410.5	411.2	127.0	63.5	87.4	406.4	12.7	63.5
	635	533.4	505.0	39.6	438.2	461.8	462.3	139.7	68.3	96.8	457.2	12.7	68.3
20	699	584.2	558.8	42.9	489.0	513.1	514.4	144.5	73.2	103.1	508.0	12.7	73.2
	813	692.2	663.4	47.8	590.6	616.0	616.0	152.4	82.6	111.3	609.6	12.7	82.5

## 法兰的基本参数

## BASIC PARAMETERS OF FLANGE

公称压力 PN/MPa	工作温度 t/°C			公称通径 DN/mm
	t ≤ 200	200 < t ≤ 250	250 < t ≤ 300	
	最大工作压力 P/MPa			
0.25	0.25	0.20	0.18	10 ~ 2000
0.6	0.60	0.56	0.50	10 ~ 1800
1.0	1.00	0.90	0.80	10 ~ 600
1.6	1.60	1.40	1.25	10 ~ 600

## HIGH PRESSURE QUICK CONNECTOR

# 高压快速接头

制造标准 Manufacturing standards	符合 ISO7241-A 标准。 Conform to ISO7241-A
材质 Material	渗碳钢, 按 EN10277-3。 Carburized steel according to EN10277-3
密封材料 Sealing material	丁腈橡胶 (NBR) 支撑圈用 PTFE。 PTFE for NBR support ring
工作压力 Working pressure	250Bar-420Bar / 25Mpa-42Mpa
工作温度 Working temperature	-20C~+110°C
应用 Application	广泛应用工业液压系统。 Industrial hydraulic systems are widely used.



## UNIVERSAL SELF SEALING PIPE JOINT

# 万向自封式管接头

自封式管接头安装完毕自动启开, 卸下时自动闭合, 杜绝了管体介质流出污染环境, 节省作业成本, 防止沙尘进入管体和设备中造成机械磨损, 降低事故隐患, 管接头装卸连接方便, 减少劳动强度, 节省作业时间。所使用材料完全符合美国 ASTM 和 AISI 标准, 产品及零件全部采取了防腐处理。管接头耐高压、密封可靠、标准统一、通用互换性好。万向自封式管接头可根据连接方向自动调节, 管线排列整齐美观, 减少管线抗疲劳强度。自封式管接头可根据结构不同分为两大系列:

### 1、钢珠式快速自封管接头 2、销键插入式自封管接头

The self sealing pipe joint automatically opens after installation and closes automatically when it is removed, which prevents the medium from flowing out of the pipe body to pollute the environment, saves operation costs, prevents sand and dust from entering the pipe body and equipment to cause mechanical wear, reduces accident potential, facilitates the handling and connection of pipe joints, reduces labor intensity and saves operation time. The materials used fully comply with American ASTM and AISI standards, and the products and parts are all subject to anti-corrosion treatment. High pressure resistance, reliable sealing, unified standard and good universal interchangeability of pipe joints.

Universal self sealing pipe joints can be automatically jointed according to the connection direction. The pipelines are arranged neatly and beautifully to reduce the fatigue strength of the pipeline.

Self sealing pipe joints can be divided into two series according to different structures:

### 1. Steel ball type quick self sealing pipe joint 2. Pin key plug-in self sealing pipe joint



公称通径 (mm)	总长 (mm)	最高工作压力 (MPa)	实验压力 (MPa)	流量 (l/min)	联接螺纹
6	62	52	78	16	M14×1.5
8	80	52	78	25	M16×1.5
10	90	52	78	40	M22×1.5
12	100	45	67.5	50	M27×1.5
15	106	45	67.5	63	M30×1.5
20	110	45	67.5	100	M36×2/1"NPT
25	128	35	52.5	160	M42×2/1"NPT
32	160	35	52.5	250	M52×2
40	190	21	31.5	400	M60×2
51	204	16	24	630	M68×2

## HANDLE TYPE QUICK COUPLER

# 扳把式快速接头

快速接头, 是一种不需要工具就能实现管路连通或断开的接头。快速接头可分为: 空气用快速接头、氧气燃料气体用快速接头、气体液体共用快速接头、油压用快速接头、惰性气体用快速接头、冷却水温油用快速接头、半导体快速接头。



Quick connector is a connector that can connect or disconnect the pipeline without tools. Quick connectors can be divided into air quick connectors, oxygen fuel gas quick connectors, gas liquid shared quick connectors, oil pressure quick connectors, inert gas quick connectors, cooling water temperature oil quick connectors, and semiconductor quick connectors.

## SELF SEALING UNION PIPE JOINT

# 自封由壬管接头

吸排橡胶软管广泛用于工业、农业、矿山、建筑业等领域, 主要用于抽吸或排送水、油、砂、水泥等液体或固体物料。其具有承受正压和负压的双重功效。管体具有良好的弯曲性能, 在承受真空度 60-80Kpa 的条件下能正常使用, 不吸扁、不脱层, 管体坚固。内胶层可耐不同介质侵蚀, 外胶层耐候老化、耐磨损。胶管表面为波纹面和平面两种, 亦可做成外铠装形式, 还可根据用户需要配置各种形式的金属接头、总成。



The suction and discharge rubber hoses are widely used in industry, agriculture, mining, construction and other fields, mainly for suction or discharge of liquid or solid materials such as water, oil, sand, cement, etc. It has the dual effect of withstanding positive pressure and negative pressure. The tube body has good bending performance, and can be used normally under the condition of 60-80Kpa vacuum degree, without flat absorption and delamination, and the tube body is solid. The inner rubber layer can resist the erosion of different media, and the outer rubber layer can resist weather aging and abrasion. The surface of the rubber hose can be corrugated or flat. It can also be made into an outer armor form. Various forms of metal joints and assemblies can also be configured according to user needs.

公称通径 (mm)	总长 (mm)	最高工作压力 (MPa)	实验压力 (MPa)	流量 (l/min)	联接螺纹
12	100	45	67.5	50	M27x1.5
15	106	45	67.5	63	M30x1.5
20	110	45	67.5	100	M36x2/1"NPT
25	128	35	52.5	160	M42x2/1"NPT
32	160	35	52.5	250	M52x2
40	190	21	31.5	400	M60x2
51	204	16	24	630	M68x2



UNIVERSAL  
ELBOW

# 万向弯头



高压万向弯头是一种用于油田钻井高压管路循环系统中的弯头装置，弯头装置由由壬、活节和弯头连接而成。其中井控耐火软管专用万向弯头特征在于耐高压、耐高温、寿命长、效率高。

High pressure universal elbow is a kind of elbow device used in high-pressure pipeline circulation system of oilfield drilling. The elbow device is connected by union, union and elbow. The special universal elbow for well control fire-resistant hose is characterized by high pressure resistance, high temperature resistance, long service life and high efficiency.

公称通径	总长	最高工作压力	实验压力	流量	联接螺纹
(mm)	(mm)	(MPa)	(MPa)	(l/min)	
12	100	45	67.5	50	M27x1.5
15	106	45	67.5	63	M30x1.5
20	110	45	67.5	100	M36x2/1"NPT
25	128	35	52.5	160	M42x2/1"NPT
32	160	35	52.5	250	M52x2
40	190	21	31.5	400	M60x2
51	204	16	24	630	M68x2



Y I T A I

质量为先 诚信为本 用户至上

QUALITY FIRST, INTEGRITY FIRST, USER FIRST.