



质量第一·诚信至上

衡水博楷石油机械有限公司

Hengshui Bokai Petroleum Machinery Co., Ltd

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衡水博楷石油机械有限公司

Hengshui Bokai Petroleum Machinery Co., Ltd



公司简介 COMPANY PROFILE

衡水博楷石油机械有限公司是一家专业从事石油配件、由壬、接头、钻采设备配件等研究、生产、销售于一体的高新技术企业，公司坐落于中国橡塑管业基地—景州，位于河北省东南部，东邻 104 国道及京沪铁路，南临石德高速，到黄骅港 180 公里，距离济南飞机场 120 公里，交通极为便利。

我公司拥有注塑机、大型铣床、数控车床、机加工等各类加工设备，是集生产、研发、销售于一体的科技型企业。公司主要产品有高低压由壬、气胎由壬、伸缩式由壬、锤击由壬、特种由壬、法兰式转换由壬、焊接由壬（石油管材用、扶正器用）、由壬接头、大口径胶管、石油配件、由壬密封件、不锈钢接头、抽油杆扶正器、石油专用筛网、钻探胶管、耐火胶管、特种胶管、低压胶管、钢丝编织胶管、金属软管、补偿器等，我公司生产的产品具有承受压力高、弯曲半径小，抗疲劳性能强，使用寿命长等特点，产品销往全国各地，公司取得了骄人的成绩，也赢得广大客户的一致好评！

我公司拥有一批高素质、技术硬朗、经验丰富的员工队伍，凭借先进的生产设备和工艺，依靠科学的管理，本着以科技领先、走创新之路为企业发展的前提，不断开发研制适应市场需求的新产品，想用户之所想，急用户之所急。公司秉承“以市场为导向，以用户为中心、以质量求生存、以信誉求发展”的企业理念，坚持以人为本、以高科技和高技术人才为依托不断提升公司的核心竞争力和市场应变能力，以可靠的产品质量，完善的售后服务，赢得了国内外同仁及用户的信赖。

公司将继续秉承“客户第一，诚信为本”的原则，一如既往的为广大客户提供高质量、可靠地产品，优质完善的售后服务，努力为客户以及社会创造更大的利润，欢迎国内外新老客户光临惠顾，共同发展、携手共进！

Hengshui Bokai Petroleum Machinery Co., Ltd. is a professional engaged in petroleum fittings, by Ren, joints, drilling equipment, accessories, etc. research, production, sales in one of the high-tech enterprises, the company is located in China plastic pipe industry base, Jingzhou, is located in the southeastern part of Hebei Province, east of the 104 National Highway and Beijing Shanghai railway, south high-speed Shi, 180 kilometers to Huanghua port, 120 kilometers away from Jinan airport, transportation is very convenient.

Our company has injection molding machine, large milling machine, CNC lathe, machining and other processing equipment, is a production, research and development, sales in one of the scientific and technological enterprises. The main products of the company are high and low pressure Union, pneumatic tyre unions, telescopic Union, thrash, special union, flange type conversion by the union, the Union (oil pipe by welding, centralizer), a union joint, large diameter hose, fittings, oil seals, stainless steel joint union head, sucker rod centralizer, special oil screen, drilling hose, hose, fire hose, special low pressure hose, steel wire braided hose, metal hose, compensator, our products have high pressure, small bending radius, anti fatigue performance, long using life, etc., the products are sold throughout the country, the company has made remarkable achievements, but also won the praise of clients!

Our company has a group of high-quality, tough technical, experienced staff, with advanced production equipment and technology, relying on scientific management, with the purpose of science and technology leading, take the road of innovation as a prerequisite for the development of enterprises, continue to develop to adapt to market demand for new products to the users want, anxious users urgency. Companies adhering to the "market-oriented, to the user as the center, to the quality of survival, to the credibility of development," business philosophy, adhere to the people-oriented, to high-tech and high technology talents based on continuously upgrade the company's core competitiveness and market strain capacity, with a reliable product quality and perfect after-sales service, won the trust of domestic and foreign colleagues and customers.

The company will continue adhering to the "customer first, integrity-based" principle, as always for the majority of customers to provide high quality and reliable products, high quality and perfect after-sales service, and strive for customers and society to create greater profits, welcome new and old customers at home and abroad to visit us, common development, and work together!

Company profile





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高压钢丝编织胶管 High Pressure Steel Wire Braided Rubber Hose



结构: 胶管由内胶层、一层钢丝编织层和外胶层组成。
用途: 适于输送液压流体、液压油、燃油、润滑油、乳化液、乙二醇水溶液及水等。
工作温度: -40°C ~ +100°C
CONSTRUCTION: This hose is composed of an inner tube of oil synthetic rubber, a single wire braided reinforcement, and an oil and weather resistant synthetic rubber cover.
APPLICATIONS: It is suitable to carry hydraulic fluids, such as hydraulic oil, fuel oil, lubricants, emulsion, glycol and water, etc.
WORKING TEMPERATURE: from -40°C up to +100°C

执行标准: GB/T3683-2011 Executive Standard: GB/T3683-2011

| 公制规格 Size | 英制规格 Size | 内径 I.D | | 增强层直径 W.D | | 外径 O.D | 最大工作压力 W.P | | | 试验压力 P.P | | | 最小爆破压力 B.P | | | 最小弯曲半径 Min B.R | | 参考重量 W.T |
|--------------|--------------|-----------|-------|--------------|-------|-----------|---------------|------|-----|-------------|------|-----|---------------|-------|------|-------------------|------|-------------|
| | | 最小 | 最大 | 最小 | 最大 | | 最大 | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | |
| 5 | 3/16 | 4.6 | 5.4 | 8.9 | 10.1 | 12.5 | 25.0 | 3625 | 250 | 50.0 | 7250 | 500 | 100.0 | 14500 | 1000 | 3.54 | 90 | 0.25 |
| 6.3 | 1/4 | 6.1 | 7.0 | 10.6 | 11.7 | 14.1 | 22.5 | 3262 | 225 | 45.0 | 6525 | 450 | 90.0 | 13050 | 900 | 3.94 | 100 | 0.27 |
| 8 | 5/16 | 7.7 | 8.5 | 12.1 | 13.3 | 15.7 | 21.5 | 3117 | 215 | 43.0 | 6235 | 430 | 86.0 | 12470 | 860 | 4.53 | 115 | 0.33 |
| 10 | 3/8 | 9.3 | 10.1 | 14.5 | 15.7 | 18.1 | 18.0 | 2610 | 180 | 36.0 | 5220 | 360 | 72.0 | 10440 | 720 | 5.12 | 130 | 0.38 |
| 12.5 | 1/2 | 12.3 | 13.5 | 17.5 | 19.1 | 21.5 | 16.0 | 2320 | 160 | 32.0 | 4640 | 320 | 54.0 | 7830 | 540 | 7.09 | 180 | 0.46 |
| 16 | 5/8 | 15.5 | 16.7 | 20.6 | 22.2 | 24.7 | 13.0 | 1885 | 130 | 26.0 | 3770 | 260 | 52.0 | 7540 | 520 | 7.87 | 200 | 0.54 |
| 19 | 3/4 | 18.6 | 19.8 | 24.6 | 26.2 | 28.6 | 10.5 | 1522 | 105 | 21.0 | 3045 | 210 | 42.0 | 6090 | 420 | 9.45 | 240 | 0.65 |
| 25 | 1 | 25.0 | 26.4 | 32.5 | 34.1 | 36.6 | 8.7 | 1261 | 87 | 18.0 | 2610 | 180 | 36.0 | 5220 | 360 | 11.81 | 300 | 0.84 |
| 31.5 | 1-1/4 | 31.4 | 33.0 | 39.3 | 41.7 | 44.8 | 6.2 | 899 | 62 | 13.0 | 1885 | 130 | 26.0 | 3770 | 260 | 16.54 | 420 | 1.07 |
| 38 | 1-1/2 | 37.7 | 39.3 | 45.6 | 48.0 | 52.1 | 5.0 | 725 | 50 | 10.0 | 1450 | 100 | 20.0 | 2900 | 200 | 19.69 | 500 | 1.18 |
| 51 | 2 | 50.4 | 52.0 | 58.7 | 61.9 | 65.9 | 4.0 | 580 | 40 | 8.0 | 1160 | 80 | 16.0 | 2320 | 160 | 24.80 | 630 | 1.58 |
| 64 | 2-1/2 | 63.1 | 65.1 | 66.8 | 68.8 | 70 | 3.0 | 435 | 30 | 6.0 | 870 | 60 | 12.0 | 1740 | 120 | 29.92 | 760 | 1.74 |
| 76 | 3 | 75.6 | 77.1 | 76.8 | 82.3 | 90 | 1.5 | 217 | 15 | 3.0 | 435 | 30 | 6.0 | 870 | 60 | 36.61 | 930 | 2.53 |
| 89 | 3-1/2 | 88.5 | 90.0 | 92.7 | 94.2 | 105 | 1.0 | 145 | 10 | 2.0 | 290 | 20 | 4.0 | 580 | 40 | 43.30 | 1100 | 2.87 |
| 102 | 4 | 101.0 | 103.0 | 107.2 | 109.2 | 116 | 1.0 | 145 | 10 | 2.0 | 290 | 20 | 4.0 | 580 | 40 | 49.21 | 1250 | 3.50 |

注: 1Mpa=10Bar=145Psi

High Pressure Steel Wire Braided Rubber Hose 高压钢丝编织胶管



结构: 胶管由内胶层、两层钢丝编织层和外胶层组成。
用途: 适于输送液压流体、液压油、燃油、润滑油、乳化液、乙二醇水溶液及水等。
工作温度: -40°C ~ +100°C
CONSTRUCTION: This hose is composed of an inner tube of oil synthetic rubber, two wire braided reinforcements, and an oil and weather resistant synthetic rubber cover.
APPLICATIONS: It is suitable to carry hydraulic fluids, such as hydraulic oil, fuel oil, lubricants, emulsion, glycol and water, etc.
WORKING TEMPERATURE: from -40°C up to +100°C

执行标准: GB/T3683-2011 Executive Standard: GB/T3683-2011

| 公制规格 Size | 英制规格 Size | 内径 I.D | | 增强层直径 W.D | | 外径 O.D | 最大工作压力 W.P | | | 试验压力 P.P | | | 最小爆破压力 B.P | | | 最小弯曲半径 Min B.R | | 参考重量 W.T |
|--------------|--------------|-----------|------|--------------|-------|-----------|---------------|------|-----|-------------|-------|-----|---------------|-------|------|-------------------|------|-------------|
| | | 最小 | 最大 | 最小 | 最大 | | 最大 | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | |
| 5 | 3/16 | 4.6 | 5.4 | 10.6 | 11.7 | 14.1 | 41.5 | 6017 | 415 | 83.0 | 12035 | 830 | 166.0 | 24070 | 1660 | 3.54 | 90 | 0.37 |
| 6.3 | 1/4 | 6.1 | 7.0 | 12.1 | 13.3 | 15.7 | 40.0 | 5800 | 400 | 80.0 | 11600 | 800 | 160.0 | 23200 | 1600 | 3.94 | 100 | 0.43 |
| 8 | 5/16 | 7.7 | 8.5 | 13.7 | 14.9 | 17.3 | 35.0 | 5075 | 350 | 70.0 | 10150 | 700 | 140.0 | 20300 | 1400 | 4.53 | 115 | 0.52 |
| 10 | 3/8 | 9.3 | 10.1 | 16.1 | 17.3 | 19.7 | 33.0 | 4785 | 330 | 66.0 | 9570 | 660 | 132.0 | 19140 | 1320 | 5.12 | 130 | 0.59 |
| 12.5 | 1/2 | 12.3 | 13.5 | 19.0 | 20.6 | 23.1 | 27.5 | 3987 | 275 | 55.0 | 7975 | 550 | 110.0 | 15950 | 1100 | 7.09 | 180 | 0.71 |
| 16 | 5/8 | 15.5 | 16.7 | 22.2 | 23.8 | 26.3 | 25.0 | 3625 | 250 | 50.0 | 7250 | 500 | 100.0 | 14500 | 1000 | 7.87 | 200 | 0.86 |
| 19 | 3/4 | 18.6 | 19.8 | 26.2 | 27.8 | 30.2 | 21.5 | 3117 | 215 | 43.0 | 6235 | 430 | 86.0 | 12470 | 860 | 9.45 | 240 | 1.00 |
| 25 | 1 | 25.0 | 26.4 | 34.1 | 35.7 | 38.9 | 16.5 | 2392 | 165 | 33.0 | 4785 | 330 | 66.0 | 9570 | 660 | 11.81 | 300 | 1.33 |
| 31.5 | 1-1/4 | 31.4 | 33.0 | 43.2 | 45.7 | 49.6 | 12.5 | 1812 | 125 | 25.0 | 3625 | 250 | 50.0 | 7250 | 500 | 16.54 | 420 | 1.60 |
| 38 | 1-1/2 | 37.7 | 39.3 | 49.6 | 52.0 | 56.0 | 9.0 | 1305 | 90 | 18.0 | 2610 | 180 | 36.0 | 5220 | 360 | 19.69 | 500 | 1.77 |
| 51 | 2 | 50.4 | 52.0 | 62.3 | 64.7 | 68.6 | 8.0 | 1160 | 80 | 16.0 | 2320 | 160 | 32.0 | 4640 | 320 | 24.80 | 630 | 2.32 |
| 64 | 2-1/2 | 63.1 | 65.1 | 74.6 | 77.8 | 81.8 | 7.0 | 1015 | 70 | 14.0 | 2030 | 140 | 28.0 | 4060 | 280 | 29.92 | 760 | 2.55 |
| 76 | 3 | 75.7 | 77.5 | 81.9 | 83.7 | 92.0 | 4.0 | 580 | 40 | 8.0 | 1160 | 80 | 16.0 | 2320 | 160 | 36.61 | 930 | 3.64 |
| 89 | 3-1/2 | 88.5 | 90 | 94.7 | 96.2 | 106.0 | 3.0 | 435 | 30 | 6.0 | 870 | 60 | 12.0 | 1740 | 120 | 43.30 | 1100 | 4.07 |
| 102 | 4 | 101.5 | 103 | 107.7 | 109.2 | 118.0 | 3.0 | 435 | 30 | 6.0 | 870 | 60 | 12.0 | 1740 | 120 | 49.21 | 1250 | 4.77 |

注: 1Mpa=10Bar=145Psi

高压钢丝编织胶管 High Pressure Steel Wire Braided Rubber Hose



结构: 胶管由内胶层、三层钢丝编织层和外胶层组成。
用途: 适于输送液压流体、液压油、燃油、润滑油、乳化液、乙二醇水溶液及水等。
工作温度: -40°C ~ +100°C
CONSTRUCTION: This hose is composed of an inner tube of oil synthetic rubber, three wire braided reinforcements, and an oil and weather resistant synthetic rubber cover.
APPLICATIONS: It is suitable to carry hydraulic fluids, such as hydraulic oil, fuel oil, lubricants, emulsion, glycol and water, etc.
WORKING TEMPERATURE: from -40°C up to +100°C

执行标准: GB/T3683-2011 Executive Standard: GB/T3683-2011

| 公制规格 Size | 英制规格 Size | 内径 I.D | | 增强层直径 W.D | | 外径 O.D | 最大工作压力 W.P | | | 试验压力 P.P | | | 最小爆破压力 B.P | | | 最小弯曲半径 Min B.R | | 参考重量 W.T |
|--------------|--------------|-----------|-------|--------------|-------|-----------|---------------|------|-----|-------------|-------|------|---------------|-------|------|-------------------|------|-------------|
| | | 最小 | 最大 | 最小 | 最大 | | 最大 | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | |
| 5 | 3/16 | 4.6 | 5.4 | 12.6 | 13.2 | 15.7 | 60 | 8700 | 600 | 120 | 17400 | 1200 | 240 | 34800 | 2400 | 4.09 | 104 | 0.51 |
| 6.3 | 1/4 | 6.1 | 7.0 | 14.6 | 15.2 | 17.7 | 50 | 7250 | 500 | 100 | 14500 | 1000 | 200 | 29000 | 2000 | 4.52 | 115 | 0.59 |
| 8 | 5/16 | 7.7 | 8.5 | 16.3 | 16.9 | 19.5 | 45 | 6525 | 450 | 90 | 13050 | 900 | 180 | 26100 | 1800 | 5.19 | 132 | 0.70 |
| 10 | 3/8 | 9.3 | 10.1 | 18.4 | 19 | 21.7 | 40 | 5800 | 400 | 80 | 11600 | 800 | 160 | 23200 | 1600 | 5.91 | 150 | 0.81 |
| 12.5 | 1/2 | 12.3 | 13.5 | 21.4 | 22 | 24.9 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 8.38 | 213 | 0.96 |
| 16 | 5/8 | 15.5 | 16.7 | 24.8 | 25.4 | 28.1 | 30 | 4350 | 300 | 60 | 8700 | 600 | 120 | 17400 | 1200 | 8.89 | 226 | 1.18 |
| 19 | 3/4 | 18.6 | 19.8 | 28.8 | 29.4 | 32.1 | 28 | 4060 | 280 | 56 | 8120 | 560 | 112 | 16240 | 1120 | 10.63 | 270 | 1.35 |
| 25 | 1 | 25.0 | 26.4 | 35.6 | 36.2 | 39.0 | 20 | 2900 | 200 | 40 | 5800 | 400 | 80 | 11600 | 800 | 13.39 | 340 | 1.81 |
| 31.5 | 1-1/4 | 31.4 | 33.0 | 42.2 | 42.8 | 46.3 | 17 | 2465 | 170 | 34 | 4930 | 340 | 68 | 9860 | 680 | 18.50 | 470 | 2.13 |
| 38 | 1-1/2 | 37.7 | 39.3 | 48.2 | 48.8 | 52.0 | 12.5 | 1812 | 125 | 25 | 3625 | 250 | 50 | 7250 | 500 | 22.05 | 560 | 2.36 |
| 51 | 2 | 50.4 | 52.0 | 61.6 | 62.2 | 65.0 | 11 | 1595 | 110 | 22 | 3190 | 220 | 44 | 6380 | 440 | 27.56 | 700 | 3.06 |
| 64 | 2-1/2 | 63.1 | 65.1 | 74.6 | 75.2 | 78.0 | 9 | 1305 | 90 | 18 | 2610 | 180 | 36 | 5220 | 360 | 33.07 | 840 | 3.36 |
| 76 | 3 | 75.6 | 77.1 | 87.6 | 88.2 | 92.5 | 5 | 725 | 50 | 10 | 1450 | 100 | 20 | 2900 | 200 | 40.16 | 1020 | 4.77 |
| 89 | 3-1/2 | 88.5 | 90.0 | 100.6 | 101.2 | 106.0 | 4.5 | 652 | 45 | 9 | 1305 | 90 | 18 | 2610 | 180 | 47.24 | 1200 | 5.27 |
| 102 | 4 | 101.0 | 103.0 | 114.2 | 115.0 | 119.5 | 4 | 580 | 40 | 8 | 1160 | 80 | 16 | 2320 | 160 | 55.12 | 1400 | 6.05 |

注: 1Mpa=10Bar=145Psi

High Pressure Steel Wire Braided Rubber Hose 高压钢丝编织胶管



结构: 胶管由内胶层、两层钢丝缠绕层和外胶层组成。
用途: 适于输送液压流体、液压油、燃油、润滑油、乳化液、乙二醇水溶液及水等。
工作温度: -40°C ~ +120°C
CONSTRUCTION: This hose is composed of an inner tube of oil synthetic rubber, two steel wire spiraled reinforcements, and an oil and weather resistant synthetic rubber cover.
APPLICATIONS: It is suitable to carry hydraulic fluids, such as hydraulic oil, fuel oil, lubricants, emulsion, glycol and water, etc.
WORKING TEMPERATURE: from -40°C up to +120°C

执行标准: GB/T10544-2013 Executive Standard: GB/T10544-2013

| 公制规格 Size | 英制规格 Size | 内径 I.D | | 增强层直径 W.D | | 外径 O.D | 最大工作压力 W.P | | | 试验压力 P.P | | | 最小爆破压力 B.P | | | 最小弯曲半径 Min B.R | | 参考重量 W.T |
|--------------|--------------|-----------|-------|--------------|-------|-----------|---------------|------|-----|-------------|-------|------|---------------|-------|------|-------------------|------|-------------|
| | | 最小 | 最大 | 最小 | 最大 | | 最大 | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | |
| 5 | 3/16 | 4.6 | 5.4 | 12.6 | 13.2 | 15.7 | 60 | 8700 | 600 | 120 | 17400 | 1200 | 240 | 34800 | 2400 | 4.09 | 104 | 0.51 |
| 6.3 | 1/4 | 6.1 | 7.0 | 14.6 | 15.2 | 17.7 | 50 | 7250 | 500 | 100 | 14500 | 1000 | 200 | 29000 | 2000 | 4.52 | 115 | 0.59 |
| 8 | 5/16 | 7.7 | 8.5 | 16.3 | 16.9 | 19.5 | 45 | 6525 | 450 | 90 | 13050 | 900 | 180 | 26100 | 1800 | 5.19 | 132 | 0.70 |
| 10 | 3/8 | 9.3 | 10.1 | 18.4 | 19 | 21.7 | 40 | 5800 | 400 | 80 | 11600 | 800 | 160 | 23200 | 1600 | 5.91 | 150 | 0.81 |
| 12.5 | 1/2 | 12.3 | 13.5 | 21.4 | 22 | 24.9 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 8.38 | 213 | 0.96 |
| 16 | 5/8 | 15.5 | 16.7 | 24.8 | 25.4 | 28.1 | 30 | 4350 | 300 | 60 | 8700 | 600 | 120 | 17400 | 1200 | 8.89 | 226 | 1.18 |
| 19 | 3/4 | 18.6 | 19.8 | 28.8 | 29.4 | 32.1 | 28 | 4060 | 280 | 56 | 8120 | 560 | 112 | 16240 | 1120 | 10.63 | 270 | 1.35 |
| 25 | 1 | 25.0 | 26.4 | 35.6 | 36.2 | 39.0 | 20 | 2900 | 200 | 40 | 5800 | 400 | 80 | 11600 | 800 | 13.39 | 340 | 1.81 |
| 31.5 | 1-1/4 | 31.4 | 33.0 | 42.2 | 42.8 | 46.3 | 17 | 2465 | 170 | 34 | 4930 | 340 | 68 | 9860 | 680 | 18.50 | 470 | 2.13 |
| 38 | 1-1/2 | 37.7 | 39.3 | 48.2 | 48.8 | 52.0 | 12.5 | 1812 | 125 | 25 | 3625 | 250 | 50 | 7250 | 500 | 22.05 | 560 | 2.36 |
| 51 | 2 | 50.4 | 52.0 | 61.6 | 62.2 | 65.0 | 11 | 1595 | 110 | 22 | 3190 | 220 | 44 | 6380 | 440 | 27.56 | 700 | 3.06 |
| 64 | 2-1/2 | 63.1 | 65.1 | 74.6 | 75.2 | 78.0 | 9 | 1305 | 90 | 18 | 2610 | 180 | 36 | 5220 | 360 | 33.07 | 840 | 3.36 |
| 76 | 3 | 75.6 | 77.1 | 87.6 | 88.2 | 92.5 | 5 | 725 | 50 | 10 | 1450 | 100 | 20 | 2900 | 200 | 40.16 | 1020 | 4.77 |
| 89 | 3-1/2 | 88.5 | 90.0 | 100.6 | 101.2 | 106.0 | 4.5 | 652 | 45 | 9 | 1305 | 90 | 18 | 2610 | 180 | 47.24 | 1200 | 5.27 |
| 102 | 4 | 101.0 | 103.0 | 114.2 | 115.0 | 119.5 | 4 | 580 | 40 | 8 | 1160 | 80 | 16 | 2320 | 160 | 55.12 | 1400 | 6.05 |

高压钢丝缠绕胶管 High Pressure Steel Wire Spiraled Rubber Hose



结构: 胶管由内胶层、四层钢丝缠绕层和外胶层组成。
用途: 适于输送液压流体、液压油、燃油、润滑油、乳化液、乙二醇水溶液及水等。
工作温度: -40°C ~ +120°C

CONSTRUCTION: This hose is composed of an inner tube of oil synthetic rubber, four steel wire spiraled reinforcements, and an oil and weather resistant synthetic rubber cover.
APPLICATIONS: It is suitable to carry hydraulic fluids, such as hydraulic oil, fuel oil, lubricants, emulsion, glycol and water, etc.
WORKING TEMPERATURE: from -40°C up to +120°C

执行标准: GB/T10544-2013 EN856-4SP Executive Standard: GB/T10544-2013 EN856-4SP

| 公制规格 Size | 英制规格 Size | 内径 I.D. | | 增强层直径 W.D. | | 外径 O.D. | | 最大工作压力 W.P. | | | 试验压力 P.P. | | | 最小爆破压力 B.P. | | | 最小弯曲半径 Min B.R. | | 参考重量 W.T |
|--------------|--------------|------------|-------|---------------|-------|------------|-------|----------------|------|-----|--------------|-------|-----|----------------|-------|------|--------------------|------|-------------|
| | | 最小 | 最大 | 最小 | 最大 | A型 | | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | mm | |
| mm | Inch | Min | Max | Min | Max | Min | Max | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | mm | Kg/m |
| 10 | 3/8 | 9.3 | 10.1 | 16.9 | 18.1 | 20.6 | 22.2 | 44.5 | 6452 | 445 | 89 | 12905 | 890 | 178 | 25810 | 1780 | 7.09 | 180 | 0.82 |
| 12.5 | 1/2 | 12.3 | 13.5 | 19.4 | 21.0 | 23.8 | 25.4 | 41.5 | 6017 | 415 | 83 | 12035 | 830 | 166 | 24070 | 1660 | 9.06 | 230 | 1.11 |
| 16 | 5/8 | 15.5 | 16.7 | 23.0 | 24.6 | 27.4 | 29.0 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 9.84 | 250 | 1.30 |
| 19 | 3/4 | 18.6 | 19.8 | 27.4 | 29.0 | 31.4 | 33.0 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 11.81 | 300 | 1.86 |
| 25 | 1 | 25.0 | 26.4 | 34.5 | 36.1 | 38.5 | 40.9 | 28 | 4060 | 280 | 56 | 8120 | 560 | 112 | 16240 | 1120 | 13.39 | 340 | 2.35 |
| 31.5 | 1-1/4 | 31.4 | 33.0 | 45.0 | 47.0 | 49.2 | 52.4 | 21 | 3045 | 210 | 42 | 6090 | 420 | 84 | 12180 | 840 | 18.11 | 460 | 2.96 |
| 38 | 1-1/2 | 37.7 | 39.3 | 51.4 | 53.4 | 55.6 | 58.8 | 18.5 | 2682 | 185 | 37 | 5365 | 370 | 74 | 10730 | 740 | 22.05 | 560 | 3.73 |
| 51 | 2 | 50.4 | 52.0 | 64.3 | 66.3 | 68.2 | 71.4 | 16.5 | 2392 | 165 | 33 | 4785 | 330 | 66 | 9570 | 660 | 25.98 | 660 | 4.80 |
| 64 | 2-1/2 | 63.5 | 65.1 | 76 | 78 | 83.1 | 85.5 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 38.98 | 990 | 5.78 |
| 76 | 3 | 75.3 | 77.5 | 100 | 103 | 105.1 | 108.0 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 47.24 | 1200 | 16.50 |
| 89 | 3-1/2 | 88.6 | 90.5 | 114 | 115.5 | 118.0 | 122.0 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 51.18 | 1300 | 19.65 |
| 102 | 4 | 101.0 | 103.5 | 126 | 128 | 131.0 | 134.2 | 35 | 5075 | 350 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 55.10 | 1400 | 20.35 |

High Pressure Steel Wire Spiraled Rubber Hose 高压钢丝缠绕胶管



结构: 胶管由内胶层、六层钢丝缠绕层和外胶层组成。
用途: 适于输送液压流体、液压油、燃油、润滑油、乳化液、乙二醇水溶液及水等。
工作温度: -40°C ~ +120°C

CONSTRUCTION: This hose is composed of an inner tube of oil synthetic rubber, six steel wire spiraled reinforcements, and an oil and weather resistant synthetic rubber cover.
APPLICATIONS: It is suitable to carry hydraulic fluids, such as hydraulic oil, fuel oil, lubricants, emulsion, glycol and water, etc.
WORKING TEMPERATURE: from -40°C up to +120°C

执行标准: GB/T10544-2013 Executive Standard: GB/T10544-2013

| 公制规格 Size | 英制规格 Size | 内径 I.D. | | 增强层直径 W.D. | | 外径 O.D. | | 最大工作压力 W.P. | | | 试验压力 P.P. | | | 最小爆破压力 B.P. | | | 最小弯曲半径 Min B.R. | | 参考重量 W.T |
|--------------|--------------|------------|-------|---------------|-----|------------|-----|----------------|-------|------|--------------|-------|------|----------------|------|------|--------------------|----|-------------|
| | | 最小 | 最大 | 最小 | 最大 | A型 | | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | mm | |
| mm | Inch | Min | Max | Min | Max | Min | Max | Mpa | Psi | Bar | Mpa | Psi | Bar | Mpa | Psi | Bar | Inch | mm | Kg/m |
| 10 | 3/8 | 10 | 22.2 | 24.7 | 85 | 12325 | 850 | 170 | 24650 | 1700 | 260 | 37700 | 2600 | 6.10 | 155 | 1.14 | | | |
| 12.5 | 1/2 | 12.5 | 25.2 | 27.7 | 85 | 12325 | 850 | 170 | 24650 | 1700 | 260 | 37700 | 2600 | 7.87 | 200 | 1.55 | | | |
| 16 | 5/8 | 16 | 28.3 | 30.8 | 85 | 12325 | 850 | 170 | 24650 | 1700 | 260 | 37700 | 2600 | 9.06 | 230 | 1.81 | | | |
| 19 | 3/4 | 19 | 32.5 | 35 | 85 | 12325 | 850 | 170 | 24650 | 1700 | 260 | 37700 | 2600 | 9.84 | 250 | 2.63 | | | |
| 25 | 1 | 25 | 39.3 | 42.3 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 11.81 | 300 | 3.33 | | | |
| 31.5 | 1-1/4 | 31.5 | 47.5 | 50.5 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 17.52 | 445 | 4.16 | | | |
| 38 | 1-1/2 | 38 | 54.1 | 57.1 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 20.87 | 530 | 5.26 | | | |
| 51 | 2 | 51 | 67.9 | 71.9 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 22.05 | 860 | 6.73 | | | |
| 64 | 2-1/2 | 64 | 81 | 85 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 47.24 | 1200 | 8.02 | | | |
| 76 | 3 | 76 | 110.7 | 115.5 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 51.18 | 1300 | 23.0 | | | |
| 89 | 3-1/2 | 89 | 123.8 | 128.6 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 55.12 | 1400 | 28.0 | | | |
| 102 | 4 | 102 | 137.5 | 142.3 | 70 | 10150 | 700 | 140 | 20300 | 1400 | 210 | 30450 | 2100 | 62.99 | 1600 | 30.0 | | | |

中低压胶管系列 Medium low pressure hose series



夹布胶管

夹布胶管结构示意图

排吸油胶管

吹氧胶管

| 产品名称 Name | 内径 Inside Diameter (mm) | 性能及用途 Performance and use | 备注 Remarks |
|--|-------------------------|---|--|
| 蒸汽胶管 Steam hose | 6-76 | 输送 170℃ 以下的饱和蒸汽或过热水，工作压力为蒸汽 0.35MPa，热水 0.8MPa Convey saturated steam or superheated water below 170 °C, with a working pressure of 0.35MPa for steam and 0.8MPa for hot water | |
| 输吸油胶管 Oil suction hose | 6-152 | 常温下吸送汽油、机油、润滑油及其它矿物油。工作压力为 0.5-1.2MPa。 Suck and deliver gasoline, engine oil, lubricating oil, and other mineral oils at room temperature. The working pressure is between 0.5 and 1.2 MPa. | 也可采用外铠装结构 External armor structure can also be used |
| 输吸食品胶管 Food delivery and suction hose | 6-152 | 吸引奶类、酒类、食用油类及液体饮料。工作压力为 0.5-0.8MPa。 Attracting dairy, alcoholic beverages, edible oils, and liquid beverages. The working pressure is between 0.5 and 0.8 MPa. | |
| 输酸、碱胶管 Acid and alkali delivery hose | 19-203 | 常温下输送稀酸、碱溶液。工作压力为 0.5-0.7MPa。 Transport dilute acid and alkali solutions at room temperature. The working pressure is between 0.5 and 0.7 MPa. | 输送浓酸时内胶层可采用丁基胶，布层可采用玻璃纤维。 When conveying concentrated acid, the inner adhesive layer can use butyl rubber, and the cloth layer can use glass fiber. |
| 耐磨喷砂胶管 Wear resistant sandblasting hose | 19-76 | 风压喷砂用软管，工作压力为 0.6MPa-15MPa。The hose used for wind pressure sandblasting has a working pressure of 0.6MPa-15MPa. | 水泥罐车用管也可按此生产 Cement tanker pipes can also be produced according to this method |
| 水箱弯管 Water tank bend pipe | 25-102 | 机车水箱输水用。Locomotive water tank for water transportation | |
| 输水胶管 Water delivery hose | 10-25 | 输送 60℃ 以下的生活用水、工业用水的橡胶软管。Rubber hoses for conveying domestic and industrial water below 60 °C. | |
| 压缩空气用胶管 Rubber hoses for compressed air | 6-25 | 工业温度在 -20℃~+45℃ 输送工作压力在 2.5MPa 以下的工业用压缩空气和建筑工程用压缩空气。Compressed air for industrial use, mining and construction engineering, with a working pressure below 2.5 MPa, is transported at an industrial temperature of -20 °C to +45 °C. | |
| 尼龙线缠绕吹氧胶管 Nylon thread wrapped oxygen blowing hose | 51-127 | 纯氧顶吹转炉用挠性连接管，工作压力为 1.5MPa，也可采用钢丝编织扣压式，工作压力可达 8MPa。Flexible connecting pipes are used for pure oxygen top blown converters, with a working pressure of 1.5MPa. Steel wire braided buckle pressure can also be used, with a working pressure of up to 8MPa. | 两端硫化金属法兰，外有石棉保护层。Sulfide metal flanges at both ends, with asbestos protection layer on the outside. |
| 排（吸）泥胶管 Drainage (suction) mud hose | 196-900 | 挖泥船排（吸）泥沙用，工作压力为 0.4-0.5MPa。The dredger is used for sediment discharge (suction), with a working pressure of 0.4-0.5MPa. | 根据设计需要可带有法兰接头 According to design requirements, it can be equipped with flange joints |
| 制孔胶管 Perforated rubber hose | 25, 32, 40 | 桥梁公路等工程建筑制孔用，承受拉力为 1.5-2.30kg/根。Used for drilling holes in construction projects such as bridges and highways, with a tensile strength of 1.5-2.30kg/piece. | 外层胶具有良好的撕拉性能 The outer layer of adhesive has good tearing performance |

Suction and discharge rubber hose 吸排胶管



内胶层：天然 + 丁苯合成橡胶，丁腈或者三元乙丙
外胶层：天然 + 丁苯合成橡胶
安全系数：3:1

增强层：高强度聚酯帘子线 + 螺旋钢丝
工作温度：-20℃~80℃
参考标准：HG/T3035-1999

用途：吸排输送胶管广泛用于处理海水，工业废水，石油，化工，工业建筑业等。

Inner rubber layer: natural+styrene butadiene synthetic rubber, nitrile or EPDM
Reinforcement layer: high-strength polyester cord+spiral steel wire
Outer rubber layer: natural+butadiene styrene synthetic rubber
Working temperature: -20 °C -80 °C Safety factor: 3:1 Reference standard: HG/T3035-1999
Usage: The suction and discharge conveying hose is widely used for treating seawater, industrial wastewater, petroleum, chemical industry, industrial construction industry, etc.

| 内径 I. D. | | 外径 O. D. | | 工作压力 W. P. | | 爆破压力 B. P. | | 弯曲半径 B. R. | 重量 Weight | 长度 Length | |
|----------|--------|----------|-----|------------|-----|------------|------|------------|-----------|-----------|--|
| mm | inch | mm | psi | bar | psi | bar | mm | kg/m | ft | mm | |
| 19 | 3/4" | 30 | 150 | 10 | 450 | 30 | 100 | 0.67 | 200 | 61 | |
| 25 | 1" | 36 | 150 | 10 | 450 | 30 | 150 | 0.84 | 200 | 61 | |
| 32 | 1-1/4" | 44 | 150 | 10 | 450 | 30 | 190 | 1.2 | 200 | 61 | |
| 38 | 1-1/2" | 51 | 150 | 10 | 450 | 30 | 220 | 1.5 | 200 | 61 | |
| 51 | 2" | 64 | 150 | 10 | 450 | 30 | 300 | 1.93 | 200 | 61 | |
| 64 | 2-1/2" | 78 | 150 | 10 | 450 | 30 | 380 | 2.55 | 200 | 61 | |
| 76 | 3" | 90 | 150 | 10 | 450 | 30 | 450 | 3.08 | 200 | 61 | |
| 102 | 4" | 120 | 150 | 10 | 450 | 30 | 550 | 4.97 | 200 | 61 | |
| 152 | 6" | 171 | 150 | 10 | 450 | 30 | 750 | 8.17 | 100 | 30.5 | |
| 203 | 8" | 224 | 150 | 10 | 450 | 30 | 1100 | 12.5 | 100 | 30.5 | |

喷砂胶管系列 Sandblasting hose series

通长效喷砂用管具有强韧性，耐磨性；采用抗静电橡胶，能完全去除静电。

温度范围：-40°C (-40° F) 到 +85°C (+185° F)

内层：黑色、光滑、超耐磨损性，抗静电。

加强层：高强度合成芯

外层：黑色、光滑、超耐磨橡胶、抗静电。



A long-lasting heavy-duty hose exceptionally tough and abrasion resistant for use in sand and steel blasting service: it is manufactured with anti-static rubber granting a complete discharge of static electricity.

TEMPERATURE RANGE:

-40°C (-40° F) to +85°C (+185° F)

TUBE:

Black, smooth with excellent resistance to abrasion; it is anti-static.

REINFORCEMENT:

High strength synthetic cord.

COVER:

Black, smooth (wrapped finish) highly abrasion resistant synthetic rubber; it is anti-static.



| 内径 Inside diameter | | 外径 Outside diameter | | 工作压力 Working pressure | | 爆破压力 Burst pressure | | 重量 Weight | | 弯曲半径 Bending radius |
|-----------------------|--------|------------------------|----------|--------------------------|-----|------------------------|-----|--------------|--------|------------------------|
| mm | inch | mm | inch | bar | psi | bar | psi | kg/m | lbs/ft | mm |
| 13 | 1/2 | 29 | 1- 1/16 | 12 | 157 | 36 | 530 | 0.49 | 0.33 | 130 |
| 19 | 3/4 | 35 | 1- 5/16 | 12 | 157 | 36 | 530 | 0.61 | 0.41 | 190 |
| 25 | 1 | 40 | 1- 9/16 | 12 | 157 | 36 | 530 | 0.84 | 0.56 | 254 |
| 32 | 1- 1/4 | 48 | 1- 57/64 | 12 | 157 | 36 | 530 | 1.06 | 0.71 | 320 |
| 38 | 1- 1/2 | 54 | 2- 1/8 | 12 | 157 | 36 | 530 | 1.22 | 0.82 | 380 |
| 51 | 2 | 70 | 2- 13/16 | 12 | 157 | 36 | 530 | 2.11 | 1.41 | 508 |
| 63 | 2- 1/2 | 83.5 | 3- 1/4 | 12 | 157 | 36 | 530 | 3.26 | 2.23 | 630 |

可按用户要求设计制作 The products can be designed and manufactured according to the request.

Flanged Dredging Hose 法兰式疏浚胶管

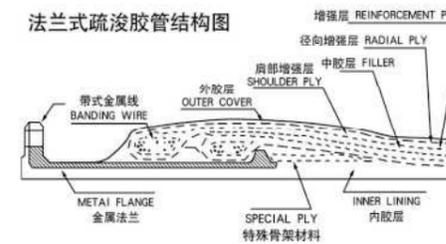


法兰式疏浚胶管易于管道连接，减少海浪引起的摆动。使介质在管道中更畅通。

Flanged Nipple type dredging hose can be connected with pipeline well, and reduce sway for wave. So that conveying medium can flow more smoothly.

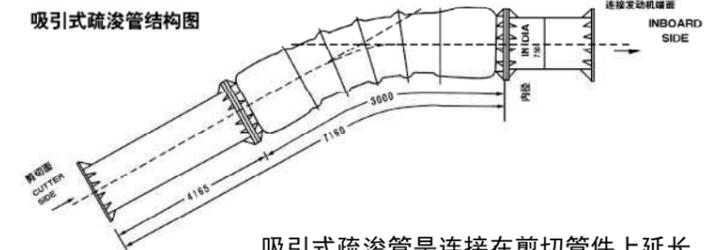
规格尺寸表 Size Table

| 标准尺寸 Standard Dimension | | | 工作压力 PLY VS. Working Pressure | | | | | | | | |
|-------------------------|--------------------|-------------------------|-------------------------------|----|----|----|----|----|----|----|----|
| 金属管 Metal Hose | 橡胶管 Rubber Hose | | 5 kgf/cm ² | 7 | 8 | 10 | 12 | 15 | 20 | 25 | 30 |
| | 内径 IN DIA. (mm) | 总长 Total Length (mm) | | | | | | | | | |
| 410 | 410 | 1200 | 8 (PR) | 12 | | | | | | | |
| 460 | 460 | 1300 | 8 | 12 | 14 | | | | | | |
| 510 | 510 | 1400 | 9 | 13 | 14 | | | | | | |
| 560 | 560 | 1500 | | 14 | 16 | 19 | | | | | |
| 610 | 610 | 1500 | | | 17 | 22 | | | | | |
| 650 | 650 | 1600 | | | 19 | 22 | 26 | | | | |
| 710 | 710 | 1700 | | | 20 | 24 | 28 | | | | |
| 760 | 760 | 1800 | | | | 26 | 30 | 33 | 35 | 38 | 40 |
| 800 | 800 | 1800 | | | | 28 | 32 | 35 | 37 | 40 | 42 |
| 900 | 900 | 2000 | | | | | 33 | 36 | 39 | 42 | 44 |



吸引式疏浚胶管

Suction Dredging Hose



吸引式疏浚管是连接在剪切管上延长剪切管寿命的橡胶软管。

The suction dredging hose is good enough to absorb shearing stress and would last life cycle of metals.

长度按用户要求

The length can be ordered by the users.

可按用户要求设计制作

The products can be designed and manufactured according to the request.

吸引管内径见表

Inner diameter of suction dredging hoses are shown in Table.

| | | | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 内径 (mm) Inner Dia. | 415 | 510 | 560 | 610 | 660 | 710 | 760 | 800 | 850 | 900 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

钻探胶管 Drilling hose (Rotary Drilling / Vibrator hose)



用途: 用于油田固井、修井及石油地质勘探、小型钻机和水利采煤、输送泥浆及常温水等流体介质（水泥和含油不超过 20%的泥浆）。

结构: 由内胶层、内胶保护层、中胶层 2-6 层、钢丝缠绕层和耐寒耐老化外胶层组成。

温度范围: -40 ~ +100°C

执行标准: GB/T24145-2009, API Spec 7K, SY 5469

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

Applications: Steel wire spiral drilling rubber hoses are used in oil fields, well cementing, well repairing, geological explorations, small drilling machine, and water conveyance at coal excavations. They are useful to carry slurry, water at environmental temperature, and other fluids.

Working Temperature: From -40°C up to +100°C

Executive Standard: GB/T24145-2009, API Spec 7K, SY 5469

| | 内径 Inside Diameter | | 外径 Outside Diameter | 工作压力 Working Pressure | 试验压力 Proof Pressure | 参考重量 Weight | 最小弯曲半径 Min.BendRadius |
|-----|--------------------|-----|---------------------|-----------------------|---------------------|-------------|-----------------------|
| | in | mm | | | | | |
| A 级 | 1 1/2 | 38 | 51 | 11(1500) | 22(3000) | 2.19 | 560 |
| | 2 | 51 | 65 | 11(1500) | 22(3000) | 3.03 | 900 |
| | 2 1/2 | 64 | 78 | 11(1500) | 22(3000) | 3.95 | 1200 |
| B 级 | 1 1/2 | 38 | 52 | 14(2000) | 28(4000) | 2.39 | 560 |
| | 2 | 51 | 66 | 14(2000) | 28(4000) | 3.25 | 900 |
| | 2 1/2 | 64 | 79 | 14(2000) | 28(4000) | 4.37 | 1200 |
| | 3 | 76 | 98 | 14(2000) | 28(4000) | 7.76 | 1200 |
| | 3 1/2 | 89 | 113 | 14(2000) | 28(4000) | 9.95 | 1300 |
| | 4 | 102 | 127 | 14(2000) | 28(4000) | 12.43 | 1400 |
| C 级 | 5 | 127 | 153 | 14(2000) | 28(4000) | 15.25 | 1500 |
| | 6 | 152 | 178 | 14(2000) | 28(4000) | 18.71 | 1600 |
| | 1 1/2 | 38 | 55 | 28(4000) | 56(8000) | 3.65 | 560 |
| | 2 | 51 | 69 | 28(4000) | 56(8000) | 5.15 | 900 |
| | 2 1/2 | 64 | 88 | 28(4000) | 56(8000) | 7.86 | 1200 |
| | 3 | 76 | 105 | 28(4000) | 56(8000) | 13.12 | 1200 |
| D 级 | 3 1/2 | 89 | 121 | 28(4000) | 56(8000) | 16.79 | 1300 |
| | 4 | 102 | 137 | 28(4000) | 56(8000) | 21.70 | 1400 |
| | 5 | 127 | 164 | 28(4000) | 56(8000) | 28.46 | 1500 |
| | 6 | 152 | 197 | 28(4000) | 56(8000) | 44.64 | 1600 |
| | 2 | 51 | 73 | 25(5000) | 70(10000) | 6.46 | 900 |
| | 2 1/2 | 64 | 91 | 35(5000) | 70(10000) | 10.75 | 1200 |
| E 级 | 3 | 76 | 107 | 35(5000) | 70(10000) | 14.35 | 1200 |
| | 3 1/2 | 89 | 123 | 35(5000) | 70(10000) | 18.77 | 1300 |
| | 4 | 102 | 139 | 35(5000) | 70(10000) | 23.16 | 1400 |
| | 5 | 127 | 171 | 35(5000) | 70(10000) | 38.00 | 1500 |
| | 6 | 152 | 200 | 35(5000) | 70(10000) | 48.43 | 1600 |
| | 2 | 51 | 80 | 52(7500) | 104(15000) | 10.37 | 1000 |
| F 级 | 2 1/2 | 64 | 101 | 52(7500) | 104(15000) | 17.88 | 1200 |
| | 3 | 76 | 120 | 52(7500) | 104(15000) | 24.45 | 1200 |
| | 3 1/2 | 89 | 135 | 52(7500) | 104(15000) | 29.33 | 1300 |
| | 4 | 102 | 148 | 52(7500) | 104(15000) | 34.24 | 1400 |
| | 5 | 127 | 189 | 52(7500) | 104(15000) | 55.39 | 1500 |
| G 级 | 2 | 51 | 82 | 70(10000) | 105(15000) | 11.81 | 1000 |
| | 2 1/2 | 64 | 104 | 70(10000) | 105(15000) | 20.46 | 1300 |
| | 3 | 76 | 129 | 70(10000) | 105(15000) | 32.74 | 1300 |
| | 3 1/2 | 89 | 144 | 70(10000) | 105(15000) | 39.43 | 1400 |
| | 4 | 102 | 158 | 70(10000) | 105(15000) | 45.73 | 1500 |
| G 级 | 2 | 51 | 92 | 105(15000) | 157(22500) | 17.37 | 1000 |

金属软管系列 Flexible metal hose series

不锈钢耐压金属软管是由不锈钢波纹管外编一层或多层钢丝或钢带网套，两端以接头或法兰，用于输送各种介质的柔性元件。其特点是：耐腐蚀、耐高温、耐低温（-196°C - +420°C）、重量轻、体积小、柔软性好。广泛用于航空、航天、石油、化工、冶金、电力、造纸、木材、纺织、建筑、医药、食品、烟草、交通等行业。

Stainless steel metal hose used for conveying all kinds of medium is a kind of flexible element made up of stainless steel ripple hose consisting of outer braided layer, one or multilayer with or steel belt net, with joints or flanges at both ends. Its characteristic is : high temperature resistance, low temperature resistance (-196°C - +420°C), light weight, small volume, and good flexibility. It widely used in aviation spaceflight oil. chemical industry. metallurgy. power papermaking, wood, textile, building, medicine, food, tobacco, traffic and etc.



| 类别 Classification | 公称内径 Nominal ID (DN)(mm) | 最小内径 Min.ID(mm) | 最大外径 Max. OD(mm) | 工作压力 Operating Pressure(PN) | | 试验压力 Proof Pressure (PS)(MPa) | 爆破压力 Burst Pressure (Pb)(MPa) | 最小弯曲半径 Min.bend radius | |
|--------------------|--------------------------|-----------------|------------------|-----------------------------|------|-------------------------------|-------------------------------|----------------------------------|-----------------------------------|
| | | | | MPa | PSI | | | 静态 (Rj)(mm) Static state(Rj)(mm) | 动态 (Rd)(mm) Dynamic state(Rj)(mm) |
| 高压 High pressure | 4 | 2.5 | 8.5 | 35 | 5071 | 3PN | | | |
| | 6 | 4.5 | 12 | | | | | | |
| | 8 | 6.5 | 14 | | | | | | |
| | 10 | 8.5 | 16 | 23 | 3332 | | | | |
| | 12 | 10 | 20 | | | | | | |
| | 14 | 12 | 22 | | | | | | |
| 中压 Medium pressure | 18 | 16 | 26 | 21 | 3043 | 1.5PN | ≥ 10DN | ≥ 2Rj | |
| | 20 | 18 | 28 | | | | | | |
| | 25 | 22 | 34 | | | | | | |
| | 32 | 30 | 42 | 8.0 | 1159 | | | | |
| | 12 | 12 | 20 | | | | | | |
| | 14 | 14 | 22 | | | | | | |
| | 18 | 18 | 26 | 6.4 | 927 | | | | |
| | 20 | 20 | 28 | | | | | | |
| | 25 | 24 | 34 | | | | | | |
| | 32 | 32 | 42 | 4.0 | 579 | | | | |
| | 40 | 40 | 52 | | | | | | |
| | 4 | 4 | 8.5 | | | | | | 2.5 |
| 6 | 6 | 12 | | | | | | | |
| 8 | 8 | 14 | | | | | | | |
| 10 | 10 | 16 | | | | | | | |
| 12 | 12 | 14 | 1.6 | 231 | | | | | |
| 14 | 14 | 18 | | | | | | | |
| 18 | 18 | 20 | | | | | | | |
| 20 | 20 | 20 | | | | | | | |
| 低压 Low pressure | 25 | 24 | 34 | 1.0 | 144 | 4PN | | | |
| | 32 | 32 | 42 | | | | | | |
| | 40 | 40 | 52 | 2.5 | 362 | | | | |
| | 50 | 50 | 64 | | | | | | |
| | 75 | 75 | 92 | 1.6 | 231 | | | | |
| | 100 | 102 | 122 | | | | | | |
| 125 | 125 | 161 | 1.0 | | | 144 | | | |
| 150 | 150 | 193 | | | | | | | |
| 200 | 200 | 252 | 0.8 | 116 | | | | | |
| 250 | 250 | 302 | | | | | | | |

注: PN、PS、Pb 均是在 20°C 时的数值。Note: PN、PS、Pb are all the number at 20°C

金属软管系列 Flexible metal hose series



螺旋波金属软管

螺旋波金属软管波形像丝扣一样螺旋向上，具有较强的稳定性，软管自震频率较低，生产效率高，价格有优势，长度可以做到任意长度，使用会产生扭力。

Spiral wave metal hose

The spiral wave metal hose waveform is spiral upward like a screw, with strong stability, low self-vibration frequency of hose, high production efficiency, price advantage, length can be arbitrary length, use will produce torque.

螺旋形软管性能参数表
Spiral Corrugated Hose Performance Parameters Table

| 软管内径 ID | 软管外径 OD | | | 弯曲半径 Bend Radius | 工作压力 W. P | 重量 Weight | |
|---------|----------|-------------------------|------|------------------|-----------|-----------|-------------------------|
| | 主管体 Tube | 编织层 Braid Reinforcement | mm | | | 主管体 Tube | 编织层 Braid Reinforcement |
| Inch | mm | mm | mm | mm | Mpa | Kg/m | Kg/m |
| 1/4 | 6.3 | 9.0 | 10.5 | 150 | 6.4 | 0.06 | 0.10 |
| 5/16 | 7.9 | 10.9 | 12.5 | 160 | 6.4 | 0.08 | 0.12 |
| 3/8 | 10.8 | 15.2 | 16.8 | 180 | 5.0 | 0.13 | 0.15 |
| 1/2 | 13.4 | 18.5 | 20.0 | 240 | 4.0 | 0.17 | 0.20 |
| 5/8 | 16.0 | 21.5 | 23.0 | 300 | 3.5 | 0.20 | 0.25 |
| 3/4 | 19.1 | 25.6 | 27.2 | 340 | 3.0 | 0.24 | 0.30 |
| 1 | 25.4 | 32.6 | 34.2 | 400 | 2.5 | 0.38 | 0.40 |
| 1-1/4 | 32.9 | 40.6 | 42.2 | 480 | 2.5 | 0.48 | 0.50 |
| 1-1/2 | 39.3 | 47.6 | 50.2 | 600 | 2.5 | 0.50 | 0.60 |
| 2 | 50.8 | 61.5 | 63.5 | 780 | 2.5 | 0.88 | 0.90 |

连续环波金属软管

该金属软管的波形一般是U型，波高较浅，长度可以做到任意长度，使用产生微小扭力，柔软度不如普通环波金属软管。

Continuous ring wave metal hose

The waveform of the metal hose is generally U-shaped, the wave height is shallow, the length can be arbitrary length, the use of a small torque, the softness of the metal hose is not as good as the ordinary ring wave.

连续环波金属软管参数表
Continuous annular wave metal hose parameter list

| 通径 IDmm | 壁厚 sheet thickness mm | 内径 ID mm | 外径 OD mm | 编织层外径 OD mm | 重量 Weight kg/m | 压力 按螺旋波的来算 |
|---------|-----------------------|----------|----------|-------------|----------------|------------|
| DN6 | 0.15 | 6.5 | 10.5 | 11.5 | 0.15 | |
| DN8 | 0.15 | 8.5 | 12 | 13 | 0.18 | |
| DN10 | 0.15 | 10.5 | 14 | 15 | 0.24 | |
| DN13 | 0.15 | 12.5 | 17 | 18 | 0.34 | |
| DN16 | 0.2 | 17 | 22 | 23 | 0.43 | |
| DN20 | 0.2 | 21 | 27 | 28 | 0.54 | |
| DN25 | 0.2 | 26 | 32 | 34 | 0.78 | |
| DN32 | 0.25 | 34 | 40 | 42 | 0.98 | |
| DN40 | 0.25 | 41 | 50 | 52 | 1.4 | |
| DN50 | 0.3 | 51 | 60 | 62 | 1.77 | USS10.76 |



金属软管系列 Flexible metal hose series



Fig50型由壬:Fig50



引进美国 FMC, SPM公高压由壬引进美国 FMC, SPM公司先进技术, 采用合金钢铸造而成, 严格的热处理确保接头有均匀一致的金相组织和承压能力, 所使用材料完全符合美国 ASTM和 AISI 标准, 产品技术指标完全符合 API Spec 6A 标准, 产品密封可靠、装卸快捷、通用互换性好。适用于空气, 水, 油, 或汽车到 500psi nscwp。标准接头螺纹 API 管线管。

Fig 50 Orange Nut - Orange Subs

These low pressure and suction union of Fig-50 are made from carbon steel. The nut and O-ring are common in both sizes. Available in 4" or 5" sizes in threaded & socket welded connection. These unions are suitable for 500 PSI wp.

| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-----|--------------------|-------|--------------------|--------|----------------|---------|--------------|-------|
| in | mm | in | mm | in | mm | 螺母 nut | 零件 subs | lbs | kgs |
| 5 | 127 | 5 1/2 | 139.7 | 5 1/4 | 133.35 | CF | SF | 23.8 | 10.08 |

Fig100型由壬:Fig100



由壬规格及参考尺寸 Product specifications and basic parameters

- 一、精密的密封结合表面保证了可靠的压力密封。
 - 二、推荐使用低压歧管和工作压力不超过 1000Psi 场合。
 - 三、100型由壬 1000PSI NSCWP, 测试压力 1500PSI 黑色螺母, 黄色零件。
 - 四、公司先进技术, 采用高强度合金钢锻造而成, 严格的热处理确保接头有均匀一致的金相组织和承压能力, 所使用材料完全符合美国 ASTM和 AIS 压力紧, 由锤体组成的经济, 低压由壬。
- 推荐用途: 多支管和线连接 1000PSI NSCWP, 测试压力 1500PSI 黑色螺母, 黄色零件。

1,000 psi cold working pressure

Recommended service

Manifold and line connections

Features

- Pressure-tight make-up with hammer
- Economical low-pressure union

A: precision sealing surface binding guarantees reliable pressure seal.

B: recommended the use of low pressure manifold and the work pressure is not more than 1000Psi.

B: type 100 Hammer Union, 1000PSI NSCWP, the test pressure 1500PSI black nuts, yellow parts.

Product specifications and basic parameters

SC=Casting steel SF=Forging steel AS=alloy steel

Can be produced according to customer requirements

| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|--------------------|-------|--------------------|-------|----------------|---------|--------------|------|
| in | mm | in | mm | in | mm | 螺母 nut | 零件 subs | lbs | kgs |
| 2 | 50.8 | 35/8 | 92.1 | 215/16 | 74.6 | SF | SF | 5.25 | 2.4 |
| 2 1/2 | 63.8 | 41/4 | 108.0 | 35/8 | 92.1 | SF | SF | 8.0 | 3.6 |
| 3 | 76.2 | 415/16 | 125.4 | 41/16 | 103.2 | SF | SF | 14.0 | 6.4 |
| 4 | 101.6 | 515/16 | 150.8 | 425/32 | 121.4 | SF | SF | 23.0 | 10.4 |
| 6 | 152.4 | 65, /8 | 168.3 | 67/16 | 163.5 | SF | SF | 44.5 | 20.2 |
| 8 | 203.2 | 71/4 | 184.2 | 711/16 | 195.3 | SF | SF | 61.0 | 27.7 |

Fig200型由壬:Fig200



由壬规格及参考尺寸 Product specifications and basic parameters

一、由壬结构紧凑，广泛用于低压井管线，也可应用于中等压力范围的空气、水、油或汽应用场合的要求。

二、可用型号采用对焊 Sch. 40。

三、200 型由壬 2000PSI NSCWP，测试压力 3000PSI 蓝色螺母，灰色零件。

2,000 psi cold working pressure

Recommended service

General service manifolds and lines

Features

- Economical, general-purpose union
- 1 to 8-inch sizes

A: the union of compact structure, widely used in low-pressure well pipeline, can also be used in the medium pressure range of air, water, oil or steam applications requirements.

B: the available models use the welding Sch.40.

C: type 200 Hammer Union, 2000PSI NSCWP, the test pressure 3000PSI blue nut, grey parts.

Product specifications and basic parameters

| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|---------------------|-------|---------------------|-------|-------------|--------|--------------|------|
| in | mm | in | mm | in | mm | 螺母 | 零件 | Ibs | kgs |
| 1 | 25.4 | 2 ¹¹ /16 | 68.3 | 1 ¹⁵ /16 | 49.2 | SC/SF | CDB/SF | 1.75 | 0.8 |
| 1 ¹ /4 | 31.7 | 2 ⁷ /8 | 73.0 | 2 ³ /8 | 60.3 | SF | SF | 2.37 | 1.1 |
| 1 ¹ /2 | 38.1 | 2 ⁷ /8 | 73.0 | 2 ³ /8 | 60.3 | SF | SF | 2.37 | 1.1 |
| 2 | 50.8 | 3 ⁵ /16 | 84.1 | 2 ²⁹ /32 | 73.8 | SF | SF | 2.25 | 2.4 |
| 2 ¹ /2 | 63.8 | 4 ¹ /16 | 103.2 | 3 ¹¹ /16 | 93.7 | SF | SF | 10.0 | 4.5 |
| 3 | 76.2 | 4 ¹³ /8 | 111.1 | 3 ⁷ /8 | 98.4 | SF | SF | 15.25 | 6.9 |
| 4 | 101.6 | 4 ¹³ /16 | 122.2 | 5 | 127.0 | SF | SF | 20.0 | 9.1 |
| 6 | 152.4 | 6 ⁵ /8 | 168.3 | 6 ⁷ /16 | 163.5 | SF | SF | 44.5 | 20.2 |
| 8 | 203.2 | 7 ¹ /4 | 184.2 | 7 ¹¹ /16 | 195.3 | SF | SF | 61.0 | 27.7 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig206型由壬:Fig206



在公接头密封表面装有 O 型环以便密封更严密。可用型号采用对焊 Sch. 40。

推荐用于歧管和管道连接，负压使用和腐蚀性使用场合。

206 型 2000PSI NSCWP，测试压力 3000PSI 蓝色螺母，灰色零件。

2,000 psi cold working pressure

Recommended service

Manifold line connections, suction service, and corrosion service

Features

- O-ring in male sub improves sealing and protects metal-to-metal seal against corrosion
- Replaceable O-ring extends union service life
- 1 to 8 inch sizes

A: the union of compact structure, widely used in low-pressure well pipeline, can also be used in the medium pressure range of air, water, oil or steam applications requirements.

B: the available models use the welding Sch.40.

C: type 206 Hammer Union, 2000PSI NSCWP, the test pressure 3000PSI blue nut, grey parts.

Product specifications and basic parameters

| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|---------------------|-------|---------------------|-------|-------------|--------|--------------|------|
| in | mm | in | mm | in | mm | 螺母 | 零件 | Ibs | kgs |
| 1 | 25.4 | 2 ¹¹ /16 | 68.3 | 1 ¹⁵ /16 | 49.2 | SC/SF | CDB/SF | 1.75 | 0.8 |
| 1 ¹ /2 | 38.1 | 2 ⁷ /8 | 73.0 | 2 ³ /8 | 60.3 | SF | SF | 2.37 | 1.1 |
| 2 | 50.8 | 3 ⁵ /16 | 84.1 | 2 ²⁹ /32 | 73.8 | SF | SF | 5.25 | 2.4 |
| 2 ¹ /2 | 63.5 | 4 ¹ /16 | 103.2 | 3 ¹¹ /16 | 93.7 | SF | SF | 10.0 | 4.5 |
| 3 | 76.2 | 4 ³ /8 | 111.1 | 3 ⁷ /8 | 98.4 | SF | SF | 15.25 | 6.9 |
| 4 | 101.6 | 4 ¹³ /16 | 122.2 | 5 | 127.0 | SF | SF | 20.0 | 9.1 |
| 6 | 152.4 | 6 ⁵ /8 | 168.3 | 6 ⁷ /16 | 163.5 | SF | SF | 44.5 | 20.2 |
| 8 | 203.2 | 7 ¹ /4 | 184.2 | 7 ¹¹ /16 | 195.3 | SF | SF | 61.0 | 27.7 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig207型由壬:Fig207



由壬封头帽上装有厂睛橡胶 O 型环以进行有效的封闭, 螺纹接头可与 200 和 206 型螺纹接头进行互换, 可用型号采用对焊 Sch. 40。

推荐用于空气、水、油或汽应用场合密封歧管连接和保护管线接头螺纹。

207 型 2000PSI NSCWP, 测试压力 3000PSI 蓝色帽, 灰色零件。



2,000 psi cold working pressure

Recommended service

Seals manifold connections and protects union threads

Features

- Parts interchangeable with Figures 200 and 206
- O-ring on blanking cap ensures a leak-free seal
- Cap can be tapped for pressure gauge
- Available in butt-weld

| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|--------------------------------|--------|---------------------------------|-------|-------------|------------|--------------|------|
| in | mm | in | mm | in | mm | 螺母 nut | 零件 subs | Ibs | kgs |
| 3 | 76.2 | 3 ³ / ₄ | 95.25 | 2 ⁷ / ₈ | 73.03 | SC | SF | 9.8 | 4.45 |
| 4 | 101.6 | 4 ⁵ / ₁₆ | 109.54 | 3 ¹⁹ / ₃₂ | 91.28 | SC | SF | 16.25 | 7.37 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig400型由壬:Fig400



采用壁厚和坚固的设计, 具有环形和锥形密封, 以便容易进行对中和可靠的密封。

400 型 4000PSI NSCWP, 测试压力 6000PSI 黑色螺母, 红色零件。

4,000 psi cold working pressure through 4-inch sizes; 2,500 psi cold working pressure, 5 through 12-inch sizes

Recommended service

Manifold line connections, pump suction, and mud services

Features

- 2-1/2 through 12-inch sizes have O-rings for primary seal
- Butt-weld available
- Available for sour gas service

See specifications tables (pages WU1A to WU6A) for sizes, dimensions, weights, materials, and part numbers.



| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 锥口孔 Countersink | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|--------------------------------|-------|--------------------|-----|--------------------------------|-------|----------------|------|--------------|------|
| in | mm | in | mm | in | mm | in | mm | nut | subs | Ibs | kgs |
| 2 | 50.8 | 5 ³ / ₁₆ | 131.8 | 1/4 | 6.4 | 3 ⁹ / ₁₆ | 90.5 | SF | SF | 11.0 | 5.0 |
| 3 | 76.2 | 6 ¹ / ₄ | 158.8 | 3/8 | 9.5 | 4 ³ / ₁₆ | 106.4 | SF | SF | 19.25 | 8.7 |
| 4 | 101.8 | 8 ¹ / ₈ | 206.4 | 3/8 | 9.5 | 5 | 127.0 | SF | SF | 32.0 | 14.5 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig602型由壬:Fig602



装有弹性丁腈橡胶密封环，用于密封并保护由壬钢对钢的配合。
推荐用于歧管管线连接，车载及泥浆输送场合，可用于无压密封由壬。采用对焊 Sch. 80。602 型 6000PSI NSCW，测试压力 9000psi 黑色螺母，橙色零件。

6,000 psi cold working pressure
Recommended service
Manifold line connections and mud service
Features

- Replaceable, lip-type seal provides primary seal, protects secondary metal-to-metal seal, and minimizes flow turbulence
 - Butt-weld available
 - Available for sour gas service at 6,000 psi cold working pressure
- See specifications tables (pages WU1A to WU6A) for sizes, dimensions, weights, materials, and part numbers.



| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 锥口孔 countersink | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|---------------------|--------|--------------------|-----|--------------------|-------|-------------|------------|--------------|------|
| in | mm | in | mm | in | mm | in | mm | 螺母 nut | 零件 subs | Ibs | kgs |
| 1 | 25.4 | 3 ¹⁷ /32 | 89.7 | 1/4 | 6.4 | 2 ⁵ /16 | 58.75 | SF | SF | 3.5 | 1.6 |
| 2 | 50.8 | 5 ¹ /4 | 133.3 | 1/4 | 6.4 | 3 ⁹ /16 | 90.5 | SF | SF | 13.25 | 5.9 |
| 3 | 76.2 | 6 ³ /8 | 161.92 | 3/8 | 9.5 | 4 ⁵ /8 | 117.5 | SF | SF | 21.0 | 9.5 |
| 4 | 101.6 | 8 ¹ /16 | 208.0 | 3/8 | 9.5 | 5 ¹ /4 | 133.4 | SF | SF | 33.0 | 15.0 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig1002型由壬:Fig1002



装有弹性丁腈橡胶密封

推荐用于注水泥、压裂、酸化、测试及堵塞和压井管线场合。设计用于高压系统，包括车载系统。也可用作无压密封由壬。采用以焊 Sch. 160 或 XXS。

1002 型 10000PSI NSCW，测试压力 15000PSI 红色螺母，蓝色零件。
10,000 psi cold working pressure through 4-inch sizes; 7,500 psi cold working pressure, 5 and 6-inch sizes
Recommended service

Cementing, fracturing, acidizing, testing, and choke-and-kill lines
Features

- Replaceable, lip-type seal
- 5 and 6-inch sizes have O-rings for primary seals
- Available for sour gas service: 7,500 psi cold working pressure
- Butt-weld available

See specifications tables (pages WU1A to WU6A) for sizes, dimensions, weights, materials, and part numbers.



| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 锥口孔 countersin | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|--------------------|-------|-------------------|-----|---------------------|-------|-------------|------------|--------------|------|
| in | mm | in | mm | in | mm | in | mm | 螺母 nut | 零件 subs | Ibs | kgs |
| 1 | 25.4 | 3 ¹ /2 | 88.9 | 1/4 | 6.4 | 2 ¹ /4 | 57.2 | SF | SF | 3.5 | 1.6 |
| 2 | 50.8 | 5 ³ /16 | 131.8 | 1/4 | 6.4 | 3 ¹¹ /16 | 93.7 | SF | SF | 13.25 | 5.9 |
| 3 | 76.2 | 6 ³ /8 | 161.9 | 3/8 | 9.5 | 4 ³ /8 | 117.5 | SF | SF | 21.0 | 9.5 |
| 4 | 101.6 | 8 ¹ /16 | 204.8 | 3/8 | 9.5 | 5 ¹ /4 | 133.4 | SF | SF | 39.5 | 17.0 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig1003型由壬:Fig1003



由壬具有一个球形座, 可以提供偏离中心 7¹/₂ 度的偏斜或角度调整, 总的偏斜能力是 15 度。除钢对钢的配合外, 丁腈橡胶 O 型环保证了在任何偏斜位置连接的气密性。

推荐用于不能对正时的高压管线连接, 可应用于空气、水、油、泥浆或气体使用场合。

1003 型 10000PSI NSCWP (7500PSI NSCWP, 4in, 5in), 黑色螺母, 绿色零件。

Misaligning union

10,000 psi cold working pressure, 2 and 3-inch sizes; 7,500 psi cold working pressure, 4 and 5-inch sizes

Recommended service

For high-pressure connections where lines cannot be aligned

Features

- Ball seat provides positive seal with up to 7⁻¹/₂° misalignment; 2-inch model up to 4°
- Replaceable O-ring on male sub provides primary seal
- Available with threaded or butt-weld ends

See specifications tables (pages WU1A to WU6A) for sizes, dimensions, weights, materials, and part numbers.

| 标称管道尺寸 Nominal pipe size | | 连接 attended mode | 总长 Total length | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-----------------------------|-------|---------------------|----------------------------------|-------|-------------------------------|-------|-------------|------------|--------------|-------|
| in | mm | | in | mm | in | mm | 螺母 nut | 零件 subs | lbs | kgs |
| 3 | 76.2 | NPT | 9 ¹ / ₈ | 231.8 | 4 ⁷ / ₈ | 123.8 | SC | AS | 45.0 | 99.2 |
| 3 | 76.2 | SCH160 | 8 ⁷ / ₈ | 225.4 | 4 ⁷ / ₈ | 123.8 | SC | AS | 47.5 | 104.7 |
| 3 | 76.2 | XXHVY | 9 ¹ / ₈ | 231.8 | 4 ⁷ / ₈ | 123.8 | SC | AS | 48.5 | 106.9 |
| 4 | 101.6 | NPT | 10 ¹⁵ / ₁₆ | 277.8 | 5 ³ / ₄ | 146.0 | SF | SF | 72.0 | 158.7 |
| 4 | 101.6 | SCH160 | 10 ¹¹ / ₁₆ | 271.5 | 5 ³ / ₄ | 146.0 | SF | AS | 76.0 | 167.5 |
| 4 | 101.6 | XXHVY | 10 ¹⁵ / ₁₆ | 277.8 | 5 ³ / ₄ | 146.0 | SF | AS | 78.0 | 172.0 |
| 5 | 127 | SCH160 | 10 ³ / ₄ | 273.1 | 5 ³ / ₄ | 146.0 | SF | AS | 74.0 | 163.0 |
| 5 | 127 | XXHVY | 10 ¹⁵ / ₁₆ | 277.8 | 5 ³ / ₄ | 146.0 | SF | AS | 76.5 | 168.7 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

Fig1502型由壬:Fig1502



配有可更换的弹性丁腈橡胶密封环, 坚固壁厚设计用于高压系统。

推荐用于注水泥、压裂、酸化、测试及堵塞和压井管线, 也可用于无压密封连接, 采用对焊 Sch XXH。

1502 型 15000PSI NSCWP, 测试压力 22500PSI 蓝色螺母, 红色零件。



15,000 psi cold working pressure

Recommended service

Cementing, fracturing, acidizing, testing, and choke-and-kill lines

Features

- Replaceable, lip-type seal
- Available for sour gas service: 10,000 psi cold working pressure; butt-weld or non-pressure seal configurations only
- Butt-weld available

See specifications tables (pages WU1A to WU6A) for sizes, dimensions, weights, materials, and part numbers.

| 标称管道尺寸 Nominal pipe size | | 总长 Total length | | 锥孔孔 countersink | | 螺母半径 Nut radius | | 材料 Material | | 重量 Weight | |
|-------------------------------|------|---------------------------------|-------|--------------------------------|-----|---------------------------------|-------|-------------|------------|--------------|------|
| in | mm | in | mm | in | mm | in | mm | 螺母 nut | 零件 subs | lbs | kgs |
| 1 ¹ / ₂ | 38.1 | 5 ¹³ / ₃₂ | 137.0 | 1 ¹ / ₄ | 6.4 | 3 ²¹ / ₃₂ | 93.0 | SF | SF | 12.0 | 5.4 |
| 2 | 50.8 | 7 | 177.8 | 1 ⁵ / ₆₄ | 6.0 | 3 ³ / ₄ | 95.3 | SF | SF | 21.0 | 9.5 |
| 3 | 76.2 | 7 ⁵ / ₈ | 193.7 | 3 ³ / ₈ | 9.5 | 4 ¹ / ₂ | 114.3 | SF | SF | 31.0 | 14.1 |

SC=Casting steel SF=Forging steel AS=alloy steel Can be produced according to customer requirements

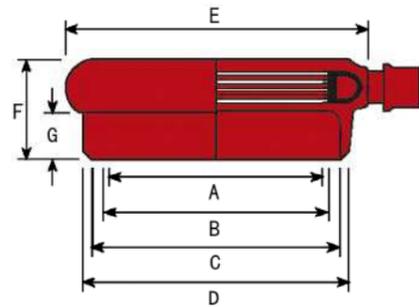
气胎由壬: Air Grip Unions (Air-O-Unions)



传统气胎由于制作工艺的问题,使充气不均匀,不能均匀鼓涨,造成的使用寿命短,易泄露。我公司经过多年的研究做成了模压橡胶气胎。彻底的解决了以上问题。

气胎由壬广泛用于低压力,大通径,错位大,需要经常拆卸的管线连接。尤其适用于石油行业钻井固控制系统中泥浆罐之间所有的低压力,大口径的管线连接。现场每次安装后各泥浆罐之间的相对位置都不一样,错位变化很大。由于气胎由壬的优越性能,错位大亦不影响它对管线的连接和密封。从而满足了现场快速安装和拆卸的特殊要求。对于减轻工人体力劳动、缩短建井周期,具有十分重要的意义。

产品结构: 钢壳. 气胎。
工作介质: 钻井液(泥浆、油、清水等酸碱介质)。
最大密封压力(管线内流体压力): 0.4Mpa。
放气后气胎复原时间: 1-3秒
连接管线可采用玻璃钢管,或两端带接头的胶管,钢管耐腐蚀、质轻易搬运、胶管可弯曲。



Air Grip Union is widely applied in drilling fluid pipelines, with features of low-pressure, large pipesize, big pipe misalignment, frequent installation and uninstal. Especially, in connecting mud tanks, mud suction and return lines in solid control system.

150 psi maximum line pressure, 4, 6, 8, 10, 12, 14 and 16-inch sizes
Recommended service
Mud suction and return lines and low-pressure fluid lines.

- Features
- Shot of rig air inflates tube to seal around pipe
 - Fast, easy make-up without close alignment
 - Allows pipe expansion or misalignment without breaking the seal
 - No nuts, bolts, or wrenches required
- In the Air Grip Unions(Air-O-Unions)we have patents
1. Medium available: mud,oil,water
 2. Medium temperature:-45°C ~50°C
 3. Reconversion time when deflated: 1-3 seconds.
 4. Medium presssure:0.4Mpa
 5. Structure: Steel shell and air bag
 6. Material: shell for 20# casting steel, Tyre for rubber.

| 标称管道尺寸 Normal Pipe Size(mm) | 4" | 6" | 8" | 10" | 12" | 14" | 16" |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | (100) | (150) | (200) | (250) | (300) | (350) | (400) |
| Tube I.D.(mm)A | 114 | 171 | 222 | 278 | 329 | 384 | 413 |
| Body I.D.(mm)B | 117 | 176 | 227 | 283 | 333 | 388 | 416 |
| Butt-weld I.D.(mm)C | 129 | 203 | 257 | 308 | 340 | 409 | 441 |
| Butt-weld I.D.(mm)D | 141 | 219 | 273 | 324 | 356 | 425 | 547 |
| Body O.D.(mm)E | 168 | 260 | 311 | 368 | 419 | 476 | 503 |
| Height(mm)F | 80 | 102 | 102 | 108 | 108 | 108 | 108 |
| Wt.(kgs)-Air bag | 0.3 | 0.65 | 0.8 | 1.0 | 1.2 | 1.5 | 1.7 |
| Wt.(kgs)-Assembly | 5.5 | 8.2 | 9.2 | 12 | 13.5 | 15 | 20 |

伸缩式钢由壬: Mud tank unions



伸缩式钢由壬是我公司最新开发的又一种新型系列产品,可以广泛的应用于低压力,大通径、错位大、需经常拆卸的管线连接。尤其适用于石油行业钻井液固控制系统中泥浆罐之间的所有的低压力、大通径的快速连接与拆卸,由于伸缩式钢由壬的性能卓越,错位大不影响客观存在对管线的连接和密封,从而满足了现场快速安装和拆卸的特殊要求,对于减轻工人的劳动强度,缩短建井周期,具有十分重大的意义,是气胎由壬的升级换代产品。

Manufactures and supplies unions for mud tanks, mud tank connecting lines and pump suction flanges. These are manufactured for a maximum line pressure of 150 PSI. The nitrile seal provides compressive seal, the crosssection of the seal designed to provide greater sealing surface. The union is designed to take a maximum of 7° misalignment on the pipe. Sizes which are catered for are 6", 8", 10" and 12", 6", 8" and 10" sizes can be socket welded to pipe or butt welded to tubing. 12" size requires butt weld.

- 1、产品规格、技术参数
- 2、工作介质: 清水、钻井液(含油、酸碱)。
- 3、工作介质温度: 0° C ~ 90° C
- 4、工作环境温度: -30° C ~ 50° C
- 5、最大密封压力(管线内流体压力) 0.6Mpa。

Features:

- Elongated cross-section of seal ring ensures greater sealing surface when in contact with the pipe
- Makes up with hammer
- Molded nitrile seal provides a compression seal
- Tank union accepts up to 7° pipe misalignment
- Available in 6, 8, 10, and 12 inch sizes
- 6", 8", 10" unions may be socket welded or butt welded to piping. 12" unions require butt-weld only
- Large diameter, medium-low voltage and frequently dismantling, rapid installation.

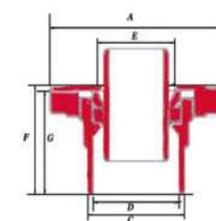
Technical parameter:

1. Medium available: mud, oil, water
2. Medium temperature: 0°C~90°C
3. Ambient temperature: -30°C~50°C
4. Medium presssure: 0.6Mpa

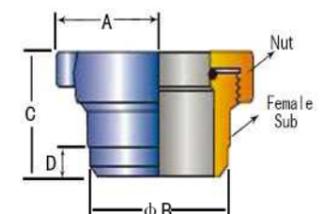
Three-piece

| 规格 Size (in) | 6" | | 8" | | 10" | | 12" | |
|-----------------------|------|-----|------|-----|-------|-----|-------|-----|
| | Inch | mm | Inch | mm | Inch | mm | Inch | mm |
| A (Clearance radius) | 6.25 | 159 | 7.50 | 191 | 8.50 | 216 | 9.75 | 248 |
| B (Outside diameter) | 7.88 | 200 | 9.88 | 251 | 11.88 | 302 | 14.00 | 356 |
| C (End to face) | 4.38 | 111 | 4.38 | 111 | 4.52 | 115 | 4.52 | 115 |
| D (Socket weld depth) | 0.38 | 9.5 | 0.38 | 9.5 | 0.38 | 9.5 | 0.38 | 9.5 |
| 重量 Weight (lbsf) | 22 | | 31 | | 37 | | 50 | |
| 重量 Weight (kgf) | 10 | | 14 | | 16.8 | | 22.7 | |

Four-piece



| Type (in/mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | Material |
|--------------|--------|--------|--------|--------|--------|--------|--------|---------------|
| 4" (102) | 300 | 50 | 168 | 150 | 135 | 170 | 160 | Casting Steel |
| 6" (150) | 350 | 50 | 219 | 200 | 194 | 170 | 160 | Casting Steel |
| 8" (200) | 400 | 50 | 273 | 253 | 248 | 170 | 160 | Casting Steel |
| 10" (250) | 450 | 50 | 325 | 305 | 304 | 170 | 160 | Casting Steel |
| 12" (300) | 510 | 50 | 355 | 357 | 358 | 170 | 160 | Casting Steel |



万向自封式管接头 Self-Sealing Fitting



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三大系列：

- 钢珠式快速自封管接头
- 三爪自封由壬式管接头
- 销键插入式自封管接头

Self-Sealing Fitting

Feature: The self-sealing fitting automatically opens after being assembled and closes when disassembled, it can eliminate the possibility of polluting environment by out-flowing media, save operational cost, prevent mechanical wear if sand and dust come into the pipes and machines, and reduce potential accidents. It is ideal for quick and easy connection and disconnection, can reduce labor intensity and save operating time. The material used fully comply with ASTM and AISI. The product and parts are all treated against corrosion. The fitting is anti-high pressure, reliable sealing, standard and with good exchangeability.

Universal Self-Sealing Fitting

Feature: The universal self-sealing fitting can automatically adjust itself depending on the connection direction, it makes pipes and hoses arrange in good order and reduces fatigue resistance of the pipelines.

Classification: The self-sealing fittings can be classified into following three major types based on structure:

- Quick self-sealing steel ball fitting
- Hammer self-sealing union fitting
- Pin key plug-in self-sealing fitting

| 公称通径 Nominal Bore(mm) | 总长 Total length | 最高工作压力 Working Pressure(Mpa) | 实验压力 Test pressure(Mpa) | 流量 Flow(l/min) | 联接螺纹 Threaded Connection |
|--------------------------|--------------------|---------------------------------|----------------------------|-------------------|-----------------------------|
| 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 | M78×2 |

复合型充气护丝 Thread protector



复合型充气护丝安装套管端部，在钻井、修井起下套管作业中对套管螺纹进行保护，减少消耗、降低作业成本，产品部分采用纳米材料，性能可靠、充气迅速、气封严密、安装拆卸方便，实用价值高。

产品由气胎与外壳组成，外壳采用聚氨酯、钢材卷板焊接工艺，粘贴牢固、外体美观、耐磨、防腐性能好。

Compound Inflation Thread Protector

Application: Compound inflation thread protector is mounted on the casing end, protection the casing thread when casings are removed during well drilling and work over, which cuts down the consumption and operating cost. Partially made from nanometer material, the product offers reliable performance, fast inflation, good air-tightness, easy mounting and dismantling and high use value.

Feature: The product consists of pneumatic tyre and housing with new technology of polyurethane and steel compression casting, firm stickup, beautiful outer body, wear-resistance and good anti-corrosion property.

充气护丝的规格及技术参数 Specification and Technical parameters

| 序号 Serial No. | 规格 Sizes | 工作压力 (是在插入管道后) W.P. | 充气时间 Inflation time (S) | 放气时间 Deflation time (S) |
|------------------|-------------|------------------------|----------------------------|----------------------------|
| 1 | 4 1/2"-5" | 0.5-1Mpa 75-150PSi | 2 | 2~3 |
| 2 | 5 1/2" | 0.5-1Mpa 75-150PSi | 2~3 | 3~4 |
| 3 | 7" | 0.5-1Mpa 75-150PSi | 3~4 | 4~5 |
| 4 | 9 5/8" | 0.5-1Mpa 75-150PSi | 5 | 6~7 |
| 5 | 13 3/8" | 0.5-1Mpa 75-150PSi | 7~8 | 9~10 |
| 6 | 18 3/8" | 0.5-1Mpa 75-150PSi | 8~9 | 10~11 |
| 7 | 20" | 0.5-1Mpa 75-150PSi | 10 | 12~13 |

尼龙由壬: Nylon hammer union



尼龙由壬的材料: PA66 材料

尼龙由壬的型号: 有 100 型、206 型、602 型、1502 型等型号

尼龙由壬规格: 有 1 寸, 2 寸, 4 寸, 6 寸, 8 寸, 10 寸等几种规格

尼龙 PA66 的性能如下:

外观: 白包或带黄色颗粒状

密度 (g/cm³): 1.10-1.14

拉伸强度 (MPa): 60.0-80.0

洛氏硬度: 118

冲击强度 (kJ/m²): 60-100

静弯曲强度 (MPa): 100-120

马丁耐热 (°C): 50-60

弯曲弹性模量 (MPa): 2000 ~ 3000

体积电阻率 (Ωcm) 1.83×10¹⁵

介电常数 1.63

The union of nylon material: PA66 material

Nylon union type: type 100, type 206, type 602, type 1502 and type

Nylon union specifications: 1 inch, 2 inch, 4 inch, 6 inch, 8 inch, 10 inch of several specifications

The performance of nylon PA66 is as follows:

Appearance: white or yellow granular

Density (g/cm³) 1.10-1.14

Tensile strength (MPa) 60-80.0

Luo's hardness 118

Impact strength (kJ/m²) 60-100

Static bending strength (MPa) 100-120

Martin heat resistance (50-60)

Bending elastic modulus (MPa) 2000 to 3000

Volume resistivity (ΩCM) 1.83 x 10¹⁵

Dielectric constant 1.63

由壬密封垫 Hammer union seal



由壬密封垫采用进口胶料压制而成, 极大提高了承压能力和密封性能, 并使接头处免遭腐蚀, 密封形式依压力和应用范围而有所不同。

By Ren gasket imported glue material is compressed into, greatly improve the bearing capacity and sealing performance, and the joint is protected from corrosion, seal form vary according to pressure and the scope of application.

由壬密封垫的特点: 在气体和流体用途中密封能力好, 初始密封力大, 防泄漏性好, 可用于很大尺寸且不需要安装工具, 能适应急剧的温度变化, 在不理想表面的密封能力好, 储存期无限。

由壬密封垫的作业条件: 压力范围、温度范围、介质可供直径范围 0 ~ 45Map-55°C +260°C 各种液体、化学品和气体 5-1500 mm 标准材料。

密封环: 填充聚四氟乙烯 密封圈: 丁晴材质

产品的应用范围: 用于单向作用、高压、静态密封、它用在压力处于外面的工况, 被广泛应用于各种静态密封和慢速动密封场合, 对于较轻的气体、制冷剂和真空有较好的密封作用, 也可在表面光洁度不太理想的场合中使用。

所有的尺寸有: 2 寸、4 寸、6 寸、8 寸、10 寸、12 寸

所用于的由壬配套: 不锈钢、碳钢材质锤击由壬、100 型高压由壬、200 型高压由壬、206 型高压由壬、207 型高压由壬、602 型高压由壬、1002 型高压由壬、1003 型高压由壬、1502 型高压由壬、2202 型高压由壬。

The characteristics of the sealing pad: in the use of gas and fluid sealing ability is good, the initial sealing force, leakage prevention and good, for very large size and does not require installation tools, can adapt to rapid temperature changes, the ideal surface sealing ability is good, storage indefinitely.

The sealing pad operating conditions: pressure range, temperature range, medium for diameter in the range of 0 ~ 45Map-55 DEG C + 260 DEG C all kinds of liquids and chemicals and gases 5-1500 mm standard materials.

Seal ring: filling PTFE sealing ring: Ding Qing material

The application range of the product: for one-way function, high pressure, static seal, it in case of pressure in the outside, is widely used in all kinds of static sealing and slow dynamic sealing occasions. For lighter gas, refrigerant and vacuum has good sealing effect, and also can be used in the surface is bright and clean degree is not too ideal situations.

All dimensions are: 2, 4, 6, 8, 10, 12

For supporting the Ren: stainless steel, carbon steel hammer strike by Ren, 100 high pressure by Ren, 200 type high pressure by Ren, 206 high pressure by Ren, 207 type high pressure by Ren, 602 pressure by Ren, 1002 type high pressure by Ren, 1003 type high pressure by Ren, 1502 type high pressure by Ren, 2202 type high pressure by Ren.

由壬短节 Hammer union Short section



由壬短节引进美国 FMC 公司先进技术，采用高强度合金钢锻造而成，严格的热处理确保接头有均匀一致的金相组织和承压能力，所使用材料完全符合美国 ASTM 和 AISI 标准，产品技术指标完全符合 API Spec 6A 标准，产品密封可靠、装卸快捷、通用互换性好。产品接头可用管线螺纹、油管螺纹、对焊式或无压密封端部连接。

1502 型配有可更换的弹性丁腈橡胶密封环，坚固壁厚设计用于高压系统。

推荐用于注水泥、压裂、酸化、测试及堵塞和压井管线，也可用于无压密封连接，采用对焊 Sch XXH。



By Ren short introduction of FMC Corporation advanced technology, using high strength alloy steel forging and become, strict heat treatment joint to ensure uniform microstructure and the bearing capacity, materials used in full compliance with the ASTM, AISI standard, technical indicator of the products in full compliance with API Spec 6A standards, product sealing reliable, fast loading and unloading, good exchangeability. The product can be used for pipeline joint thread, tubing thread, butt type or non pressure seal end connection.

1502 types of nitrile rubber can be replaced with an elastic sealing ring, solid wall thickness design for high voltage system.

Recommended for cementing, fracturing, acidizing, testing and blockage and kill line, but also for non pressure sealed and connected by welding of Sch Xxh.

由壬三通 Hammer union tee



由壬接头 Hammer union joint



我公司引进国际先进技术，采用高强度合金钢锻造而成，严格的热处理确保接头有均匀一致的金相组织和承压能力，所使用材料完全符合美国 ASTM 和 AISI 标准，所有由壬链接尺寸完全可以与国际产品进行互换，密封可靠、装卸快捷、通用互换性好。压力等级：7-140MPa。由壬接头可用管线螺纹、油管螺纹、对焊式或无压密封端部连接。产品广泛应用于油田钻井、固井、测井、试油作业、酸化压裂、连续油管及砂控作业、海洋平台等各种高压流体作业和设备配套上。

Our company introduced the advanced technology and the high strength alloy steel forging and into, strict heat treatment ensure Street uniform microstructure and the bearing capacity, materials used in full compliance with the ASTM, AISI standard, all from the size of the Ren links can and international product exchange, reliable sealing, fast loading and unloading, good exchangeability. Pressure rating: 7-140MPa. Union Street can be used for pipeline thread, tubing thread, butt type or non pressure seal end connection. Products are widely used in oil field drilling, cementing, well logging, oil test operation, acid fracturing, coiled tubing and sand control operations, offshore platforms and other high-pressure fluid operations and equipment supporting.

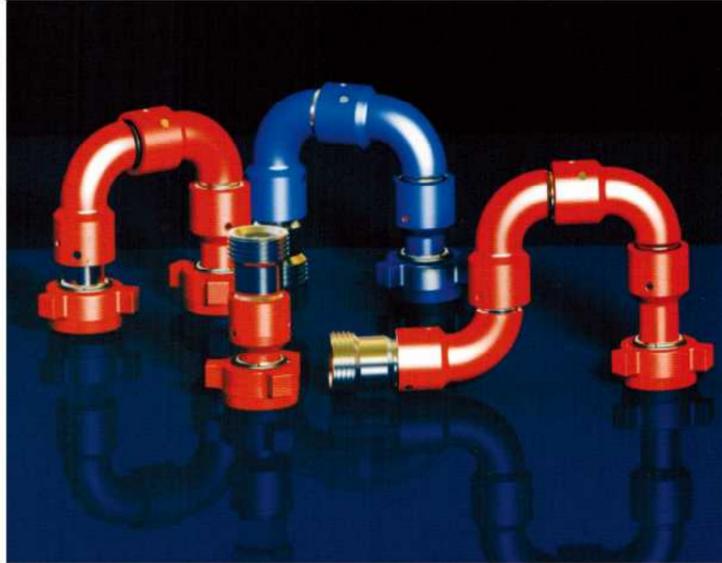
由壬一体接头 Hammer union integral joint



活动弯头 Swivel Joints

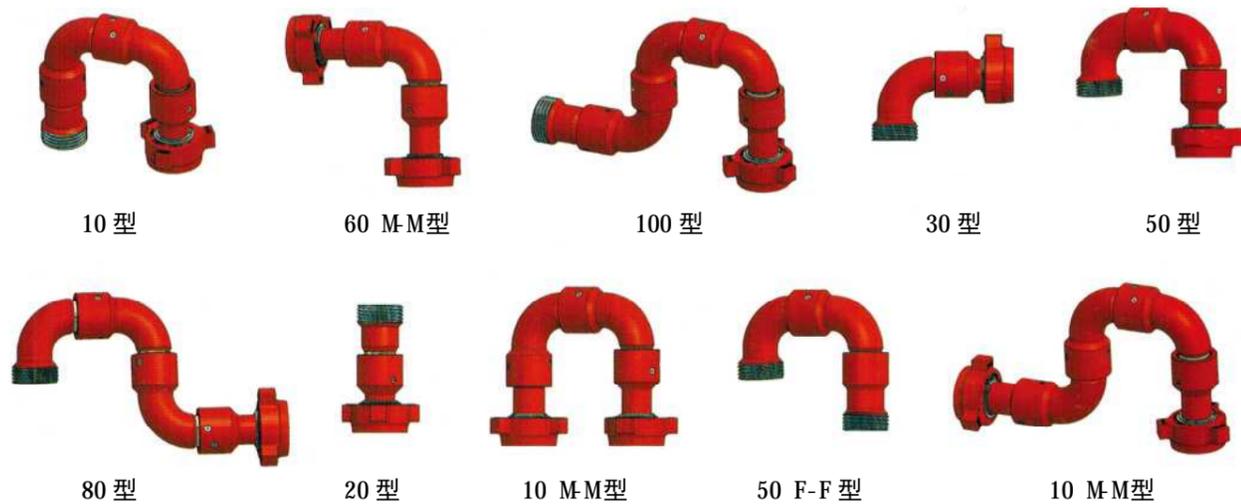
活动弯头是压井系统常用部件，为各种不同的油田液体而制造。这些液体包括水泥浆、钻井泥浆、压裂液、原油以及研磨并处理材料。各种形式的弯接头可以灵活搭配，两端可以用油管螺纹连接也可用壬连接。这些形式的活动弯头在井口、放喷装置、以及其它修井或试井设备的管线连接方面提供了灵活性。

为达到额定工作压力所需的工作强度，所有活动弯头全采用低合金钢，并经过热处理，三道滚道设计，滚道表面氮化处理，内置钢球，使旋转更加灵活，安全性也得到增强。接口处有多重密封圈，防止异物进入。当密封件出现渗漏时自动减压的润滑脂保持圈将防止压力积累于滚道腔内。有二寸到三寸几种型号的弯头可供选择。最高工作压力 103.5MPa，工作温度范围 -29 ~ 82 摄氏度。



Active elbow is a common component of the well system, which is used to manufacture a variety of different oil fields. These fluids include cement slurry, drilling mud, fracturing fluid, crude oil and grinding and processing materials. Bending joints of various types can be flexible collocation, can use both ends of tubing thread connection can also be a nonan connection. These forms of active elbow provide flexibility in the connection of the wellhead, the discharge device, and the other pipeline connection of the well or well testing equipment.

That is required to achieve the rated working pressure of work intensity, all the activities of the elbow by low alloy steel, after heat treatment, three raceway design, raceway surface nitriding, built-in steel ball, rotating more flexible, safety has also been enhanced. Interface with multiple sealing ring to prevent foreign body into. When the seal leakage occurs, the automatic pressure relief of the lubricating grease to keep the ring will prevent the accumulation of pressure in the barrel cavity. Two inches to three inches of several types of elbow can be chosen. The highest working pressure 103.5MPa, operating temperature range of -29 ~ 82 degrees celsius.



活动弯头型号示意图

整体接头 Integral Connections

本公司生产各种用途和广泛外形的高压优质管线整体接头，使用在各油田的管道系统中。整体接头的尺寸规格从 1 寸到 4 寸，工作压力从 40Mpa 到 105Mpa。外形有：T 形接头、L 形接头、十字形接头、Y 形接头、歧管接头、四通接头、五通接头。所有整体接头都经过严格的无损检验和压力测试。

这些整体高压接头与异径短节、翼形活接头、过渡接头、交叉接头等通用产品在关键性位置上组成石油临时管路，在石油开发中得到广泛使用。

本公司生产的高压接头能满足最严格质量要求，包括 API 6A 和特种设备生产标准。客户按照需要可定制高压接头外形尺寸和表明是否在含硫气体中使用。



The company produces all kinds of uses and the overall shape of high - pressure high - grade line integral joints, use in the oil field pipeline system. The overall size of the joints from 1 inch to 4 inch, working pressure from 40Mpa to 105Mpa. Appearance: T - shaped, L - shaped, ten - shaped joint, Y - shaped joint, manifold connector, four - way connector, five - way connector. All the whole joints are tested with a rigorous, nondestructive inspection and pressure test

The whole high-voltage tie-in and different diameter short, wing shaped movable joint, joint transition, cross joint universal product in the key position composed of temporary oil pipeline, is widely used in petroleum exploitation.

The company's high pressure connector can meet the most stringent quality requirements, including 6A API and special equipment production standards. Customers are required to customize the high - pressure joint dimensions and indicate whether the use of the sulfur gas.

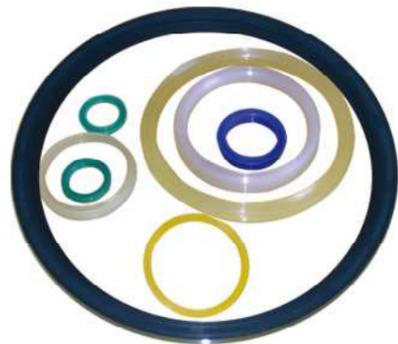
整体式直管 Integral pup joints



橡胶制品密封件 Rubber product seals



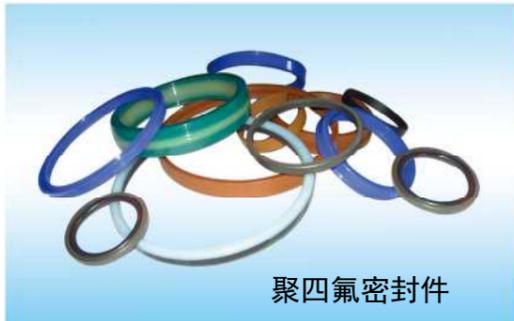
油封



硅、氟橡胶圈

FK型防尘圈、GY型密封圈、FS防尘封、GK型双唇密封、AF由TPU、NBR制造，满足于液压、气动设备严格的密封要求。

Seal FK, seal GY, seal FS, seal GK with two lips. AF is made of TPU and NBR, used for very strict sealing of the hydraulic and pneumatic equipment.



聚四氟密封件

| 断面图 cross-section diagram | 代号 Symbol | 名称 name | 直径范围 Ranges of thediamter (mm) | 工作条件 Working condition | | |
|---------------------------------|------------------|---|---|------------------------|----------------------------------|-------------------------|
| | | | | 压力 pressure Mpa | 速度 Speed: M/S | 温度 temperature °C |
| | 0 | O型圈 O-ring seals | 5 ~ 1500 | | 1 | -30 ~ 100 |
| | SC, TC SB, TB | 骨架油封旋转用 Seals used for spinning framework gasket | 20 ~ 1000 | | 高速旋转 High speed revolution | -30 ~ 100 |
| | Fa | 单唇口防尘圈 single-lip's seal | 10 ~ 1000 | | 1 | -400 ~ 100 |
| | FK | 双唇口防尘圈 Double lips' seal | 10 ~ 1000 | | 1 | -40 ~ 100 |
| | YX | 轴用密封圈 seals used for axis | 10 ~ 1000 | 40 | 1 | -40 ~ 100 |
| | YX | 孔用密封圈 seals used for holes | 10 ~ 1000 | 40 | 1 | -40 ~ 100 |
| | GS | 斯特封 S55015 S55013 Step seals S55015 S55013 | 10 ~ 400 | 40 | 5 | -35 ~ 200 |
| | GV, KV | V型组合杆密封 V-portfolio-seal | 20 ~ 500 | 40 | 0.5 | -30 ~ 220 |
| | Kg | 双向格来圈 Two-way grid to ring | 100 ~ 4800 | 45 | 5 | -30 ~ 100 |
| | GK | 双唇滑环密封 Double jetted seal | 20 ~ 280 | 45 | 1 | -30 ~ 120 |
| | KT, ZW | 双向组合密封 Bidirectional combination seal | 40 ~ 400 | 45 | 1 | -30 ~ 120 |
| | DX, FR | 活塞杆导向环 Cylinder rod guide ring | 25 ~ 600 | 40 | 3 | -40 ~ 180 |
| | Kd, Kda | 活塞导向环 Piston guide ring | 40 ~ 600 | 40 | 1 | -40 ~ 120 |
| | KzK | 活塞旋转密封 rotating piston seal | 10 ~ 160 | 30 | 3 | -40 ~ 180 |
| | Gzg | 活塞杆旋转密封 Rotating cylinder rod seal | 10 ~ 160 | 30 | 3 | -40 ~ 180 |

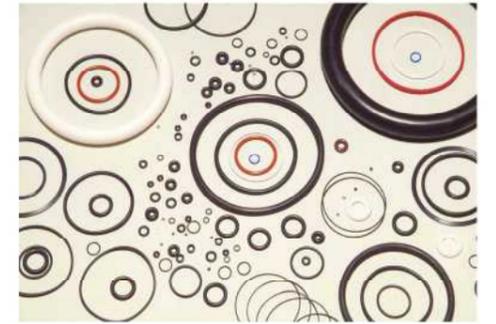


聚氨酯、尼龙制品

Rubber product seals 橡胶制品密封件



我公司生产潜油电泵密封件，已有数十年生产史。材质有氟橡胶、硅橡胶、高饱和丁腈（HSN）、AFLAS 橡胶等。可满足不同井温、介质及物理性能需要。产品除供大港油田、大庆油田、中原油田等国内市场外，还配套出口到苏丹、俄罗斯、印尼、美国等国家。产品质量稳定、深得用户好评。



Our factory produces and sneaks the oil electric pump seal, already has decades to prouduce the history. The material is Fluorine rubber, silicon rubber, high saturation cube nirtile, AFLAS rubber, etc. Can meet different wells are warm, the medium and physical performance's needs. The products, except supporting domestic markets such as Dagang Oilfield, Daqing oil field, Zhongyuan Oil Field, etc., still form a complete set and export to countries such sa the Sudan, Russia, Indonesia, U. S. A., etc.. Product quality is steady, firmly get user's favorable comment.

橡胶密封件 Rubber seal

| 材质 | 工作温度°C | 特点 | 备注 |
|-------|--------------|---------------|---------------------------------|
| 丁腈橡胶 | -40 ~ 120°C | 耐油 | Nitrile(Buna-N) |
| 氟橡胶 | -26 ~ 204°C | 耐高温、耐强腐蚀、抗静电 | FKM(VITON) |
| 氟橡胶 | -28 ~ 204°C | 耐高温、耐强腐蚀、抗静电 | AFLAS |
| 乙丙橡胶 | -30 ~ 150°C | 耐温、耐腐蚀 | EPDM |
| 硅橡胶 | -43 ~ 210°C | 耐高温、抗静电 | Silicone |
| 氯丁橡胶 | -40 ~ 120°C | 耐磨、耐温 | CHloroperne(Neoprene) |
| 高饱和丁腈 | -40 ~ 180°C | 耐油、耐温 | Highly saturated Niti(HSN,HNBR) |
| 聚四氟乙烯 | -100 ~ 180°C | 耐高低温、耐强腐蚀、抗静电 | (Teflon) |
| 聚氨酯 | -53 ~ 93°C | 耐磨、耐油、无毒 | Urethane(Polyurethane) |
| 氟化硅橡胶 | -62 ~ 204°C | 耐油、耐腐蚀 | Fluorosilicone(FVMQ) |

快速接头 Quick Connector



备注：材质有不锈钢、铝、铜

Note: Materials are stainless steel, aluminum, copper

法兰系列
Flange Series



Rubber hose joint 胶管接头

