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国际标准液压流体连接件专业制造商
Professional manufacturer of international standard
hydraulic fluid power connections



豪德玛机械
HAODEMA MACHINERY

TAIZHOU HAODEMA MACHINERY CO., LTD.
台州市豪德玛机械有限公司

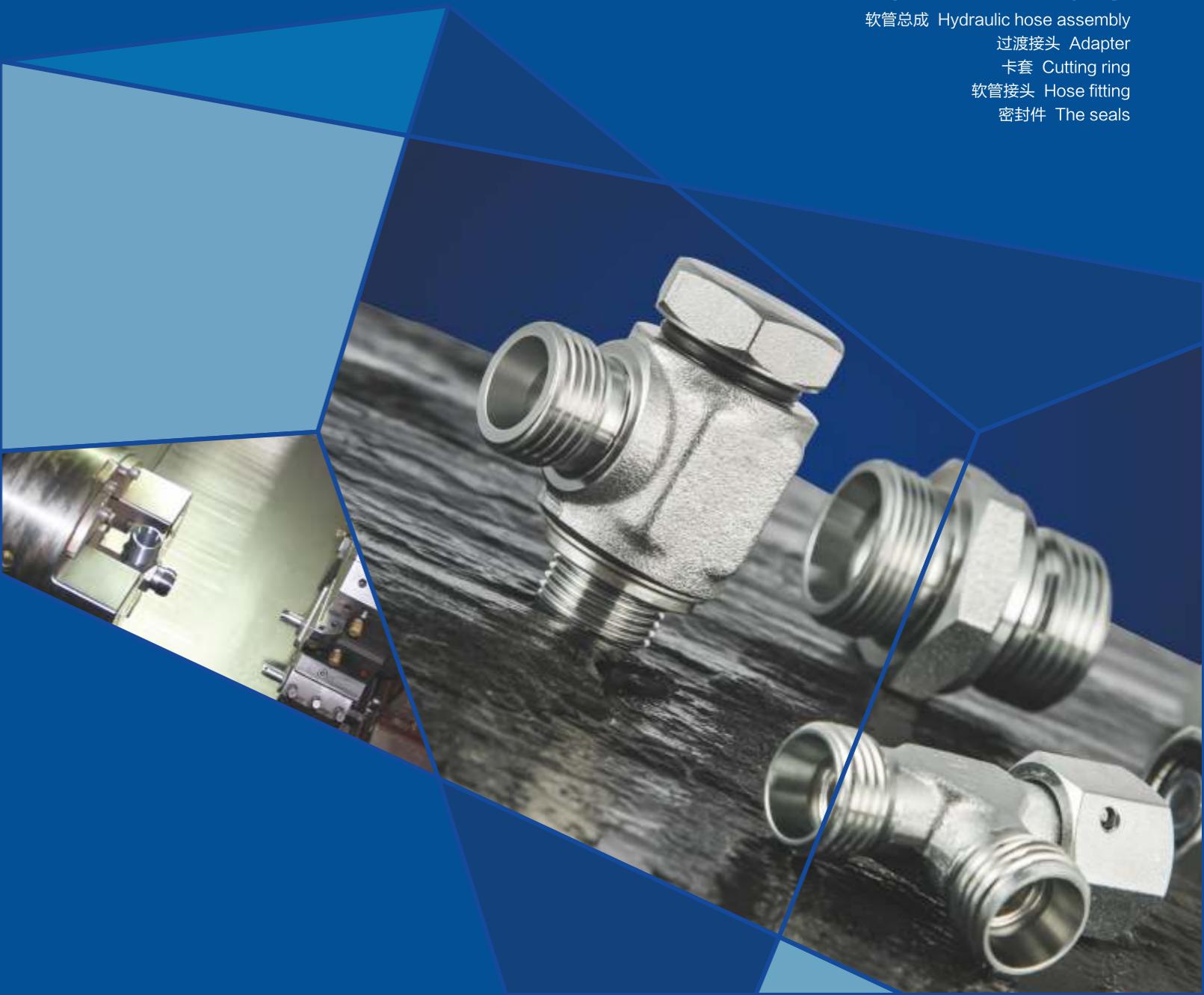
PRODUCT CATALOG

软管总成 Hydraulic hose assembly
过渡接头 Adapter
卡套 Cutting ring
软管接头 Hose fitting
密封件 The seals



台州市豪德玛机械有限公司
TAIZHOU HAODEMA MACHINERY CO., LTD.

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细节决定成功

Detail Decides Success

合作实现共赢

Cooperation Achieves Win-win

Taizhou Haodema Machinery Co., Ltd. located at the Luqiao industrial park of Taizhou, Zhejiang, the commerce and trade city of East Coast, here is an incomparable traffic advantage which integrates aviation, high-speed rail, expressway and seaport transportation and forms a four-dimensional traffic network. Taizhou is the gathering place of industries such as copper valve, pipe fitting, bathroom accessory, auto spare parts, water pump, machine tool and agriculture and forestry machinery in China with complete industrial chain, abundant resources and excellent manufacturing and application environment for hydraulic standard liquid connections such as hydraulic transition joint, hose connector and hose assembly.

Founded in 1982, the Company is the predecessor of hydraulic standard liquid connections manufacturing in Taizhou, including hydraulic transition joint, hose connector and hose assembly. The products of which have been widely used in the liquid connection of engineering, oil, mining and plastic machinery industries. Taking an area of over 5000 square meters, the Company has advanced production techniques, superior inspection equipments and perfect after-sales service and strictly follows the requirements of 6S management system to carry out production and management activities. It has gained ISO901:2000 quality system certification. With powerful strength, proceeding innovation spirit and stable and reliable product quality, the Company has become one of the largest scale enterprises manufacturing hydraulic hose assembly, hose connector and transition joint and has cooperated with well-known engineering machinery and hydraulic control equipment enterprises in China. Our products are sold to cities across the country and even to the Southeast Asia and European and American countries.

Focusing on challenges and pressures of customers and continuing to create maximum value for them, the Company adheres to the concept of "Success depends on details and win-win relies on cooperation" and spares no efforts to promote the development of liquid hydraulic components industry.



ABOUT US

台州市豪德玛机械有限公司，位于东海之滨的商贸城市——浙江台州市路桥工业园区。有着航空、高铁、高速、海港等交通网络，十分便利。浙江台州，是中国铜阀门，管件，卫浴、汽车配件，水泵，机床，农林机械等产业最为集群的长三角地区，产业链齐全，产业资源丰富。具备优良的液压过渡接头，软管接头，软管总成等液压标准流体连接件的制造环境和应用环境。

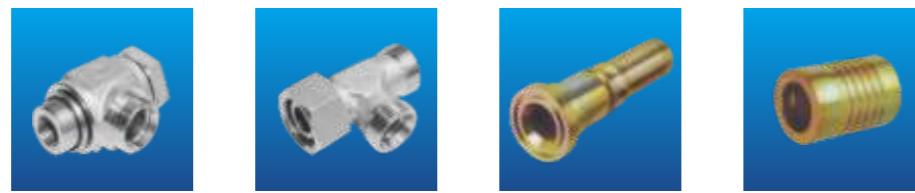


公司建于一九八二年，是台州起步较早的制造液压过渡接头，软管接头，软管总成等液压标准流体连接件的企业，产品广泛应用于工程、石油、矿山、塑料等机械行业的流体连接。公司厂区占地面积8000多平方米，生产工艺先进，检测设备精良，售后服务完善。公司严格按照6S管理体系进行生产和管理。并通过ISO901:2000质量体系认证。凭借公司雄厚的实力，不断进取创新的精神，以及稳定可靠的产品质量。公司也成为国内最具规模的液压软管总成、软管接头和过渡接头的制造企业。并长期和国内知名工程机械以及液压控制设备知名企业合作。产品同时销往全国各地以及东南亚和欧美等国际和地区。

公司始终坚持以“细节决定成功，合作实现共赢”为理念，聚焦客户关注的挑战和压力，持续为客户创造最大价值，为流体液压件的发展而不懈努力。

产品代号索引

Part No.Index



A

ENVIRONMENT-FRIENDLY ZINC SERIES

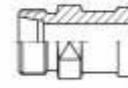
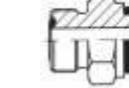
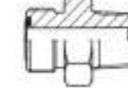
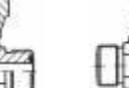
因为我们专业，所以我们做的更好！质量是企业的生命，用户满意是我们永恒的追求！

We are professional, and that's why we can do better! Quality is the life of enterprise and customer satisfaction is the eternal development goal!

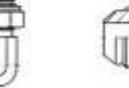
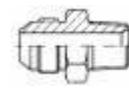
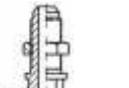
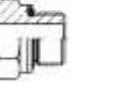
过渡接头 Adapter

| DIN半螺纹 Metric Thread Bite Type | 管与管连接 Tube to tube | H1C H1D (P23) | H1C9 H1D9 (P23) | H1C-Y H1D-Y (P24) | HAC HAD (P24) | HXC HXD (P25) | H6C/LN H6D/LN (P25) | H6C9/LN H6D9/LN (P26) |
|--------------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|
| | 组合连接 Tube to swivel | H2C-W H2D-W (P26) | H2C4-W H2D4-W (P27) | H2C9-W H2D9-W (P27) | H3C-W H3D-W (P28) | HBC-W HBD-W (P28) | HCC-W HCD-W (P29) | |
| | 油口连接 Male stud connector | H1CB H1DB (P30) | H1CB-WD H1DB-WD (P31-32) | H1CM H1DM (P33) | H1CM-WD H1DM-WD (P34) | H1CG H1DG (P35-36) | H1CH H1DH (P37) | H1CO H1DO (P38) |
| | | H1CT-SP (P39) | H1CN H1DN (P39-40) | H2HC-W H2HD-W (P41) | H2MC-WDW H2MD-WDW (P41) | H2GC-W H2GD-W (P42) | H2BC-WDW H2BD-WDW (P43) | |
| | 可调向接头 Lock nut adjustable | H1CG4-OG H1DG4-OG (P44) | H1CG9-OG H1DG9-OG (P44) | H1CH4-OG H1DH4-OG (P45) | H1CH9-OG H1DH9-OG (P45) | H1CO4-OG H1DO4-OG (P46) | H1CO9-OG H1DO9-OG (P47) | |
| | | HACCH-OG HADDH-OG (P48) | HACCG-OG HADDG-OG (P49) | HACCO-OG HADDO-OG (P49) | HACGO-OG HADGO-OG (P50) | HACHO-OG HADHC-OG (P50) | HACOG-OG HADOG-OG (P51) | |
| | 弯通接头 Non adjustable | H1CT9-SP H1DT9-SP (P52) | H1CN9 H1DN9 (P53) | | | | | |
| | 焊接接头 Tube to weld | H1CW H1DW (P54) | H2WC H2WD (P55) | | | | | |

过渡接头 Adapter

| DIN440 Metric Thread Bite Type | 法兰接头 Flange adapters |  H1CFL H1DFL (P56) |  H1CFS (P56) |  H1CFL9 H1DFL9 (P57) |  H1DFS9 (P57) |  H1CFG H1DFG (P58) |  H1CFG9 H1DFG9 (P58) |
|-------------------------------------|--|--|--|---|--|--|--|
| 铰接接头 Banjo |  H1CI-KDS H1DI-KDS (P59) |  H1CI-GDK H1DI-GDK (P59) |  H1CI-B-KDS H1DI-B-KDS (P60) |  H1CI-B-GDK H1DI-B-GDK (P60) | | | |
| 堵头 Plugs |  H4C H4D (P61) |  H9C H9D (P61) | | | | | |
| 卡套螺母 Retaining nuts |  卡套 HRL/HRS (P236) |  HNL HNS (P62) | | | | | |
| 公制螺纹Metric Thread Fitting |  H1E (P63) |  H1E9 (P63) |  H1EH (P64) |  H1EH4-OG (P64) |  H1EH9-OG (P65) |  H1EL (P65) | |
| 公制螺纹O形圈平面密封接头 Metric Male O-Ring |  H1EN (P66) |  H1ET-SP (P67) |  H1EW (P67) |  H1EW9 (P68) |  H2E9 (P68) |  H2WE (P69) | |
| |  H4E (P69) |  H9E (P69) |  HAE (P70) |  HBE (P70) |  HCE (P70) |  HXE (P71) | |

过渡接头 Adapter

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|------------------------------|--|--|--|--|--|--|---|
| 国标、部标接头 GB,JB Thread Fitting | 公制螺纹74°锥面扩口密封接头 Metric Thread 74° Cone Flared Tube |  H1Q (P71) |  H1QG (P72) |  H1QG9-OG (P72) |  H1QH (P73) |  H1QH9-QG (P73) |  H1QL (P74) |
| | |  H1QN (P74) |  H1QN4 (P75) |  H1QN9 (P75) |  H1QO (P76) |  H1QO9-OG (P76) | |
| | |  H1QT9-SP (P77) |  H1QT-SP (P77) |  H2Q9 (P78) |  H4Q (P78) |  H6Q9-LN (P79) |  H6Q-LN (P79) |
| | |  HAQ (P80) |  HAQHQ-OG (P80) |  HAQQH-OG (P80) | | | |
| | 日本公制螺纹60°锥面密封接头 Japanese Metric Thread 60° Cone Flared Tube |  H1K (P81) |  H1KG (P81) |  H1KG9-OG (P81) |  H1KH (P82) |  H1KH9-OG (P82) |  H1KT-SP (P83) |
| | |  H4K (P83) |  HAK (P83) | | | | |
| | 油口堵头 Plug |  H4L (P84) |  H4MN-WD (P84) |  H4H (P84) | | | |

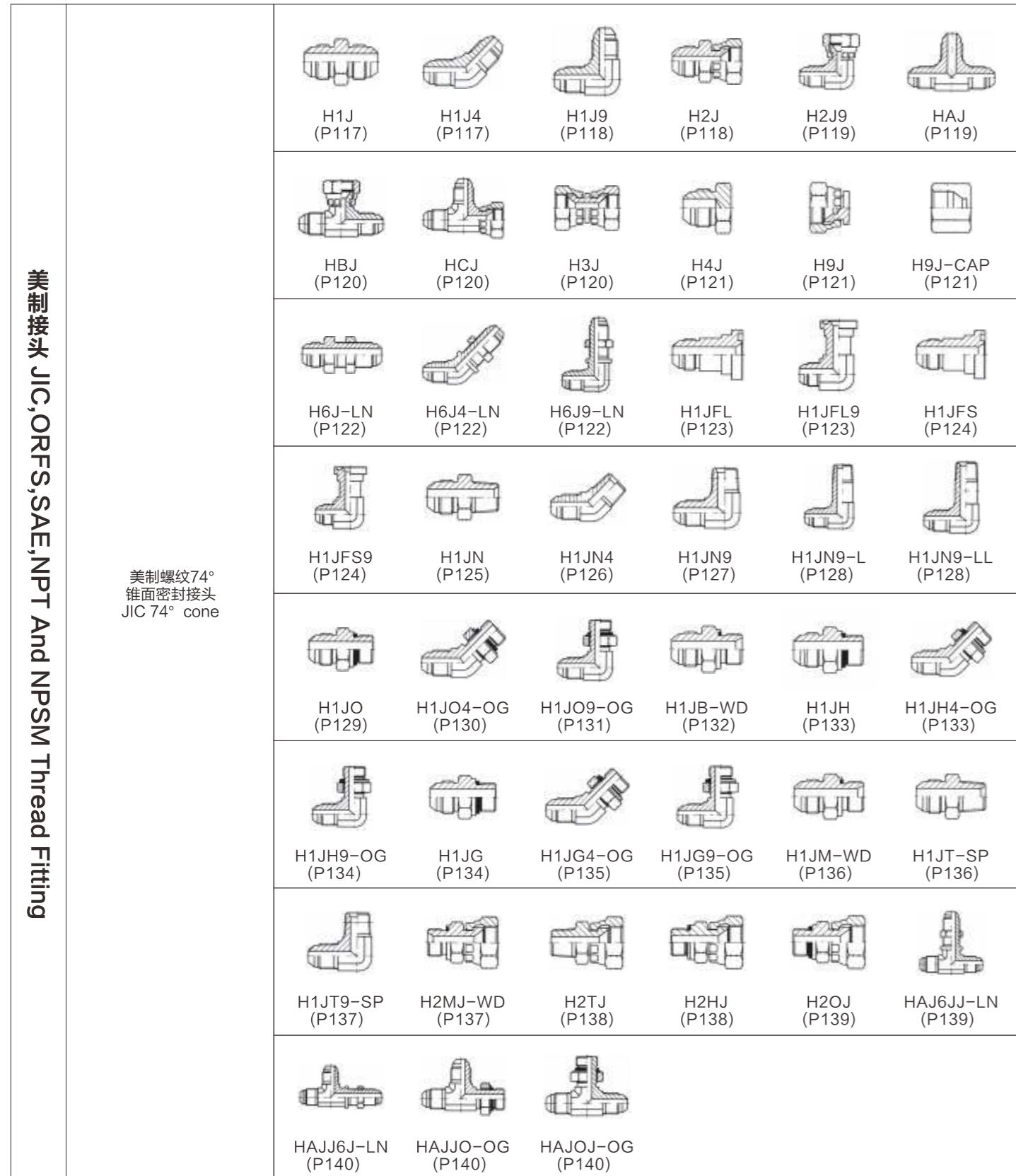
过渡接头 Adapter

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|------------------------------|---|--|
| 英制螺纹BSP,BSP-T Thread Fitting | 日本英管螺纹60°锥面密封接头 Japanese BSP Thread 60° Cone | |
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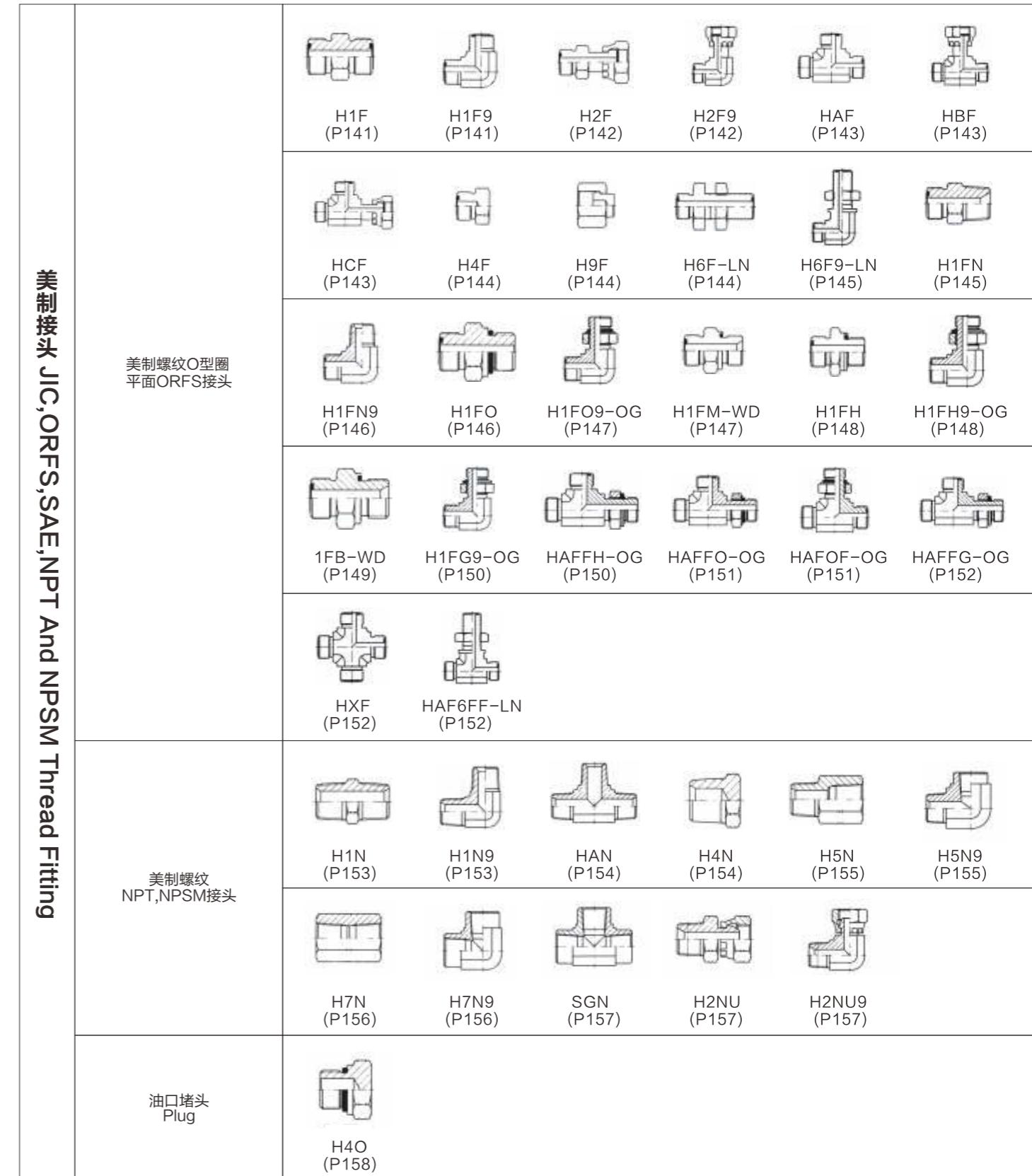
过渡接头 Adapter

| | | |
|------------------------------|--------------------------------------|--|
| 英制螺纹BSP,BSP-T Thread Fitting | 英管螺纹60°锥面密封接头 BSP Thread 60° Cone | |
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| 英制螺纹BSPT Thread Fitting | 英锥管螺纹接头 BSPT Thread | |
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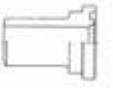
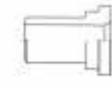
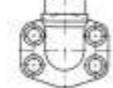
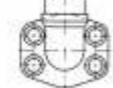
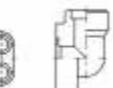
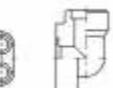
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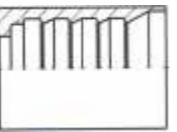
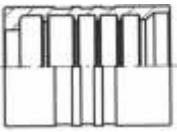
过渡接头 Adapter



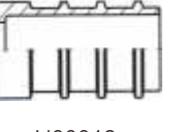
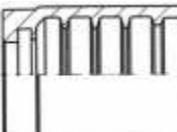
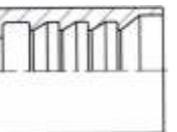
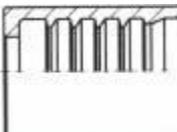
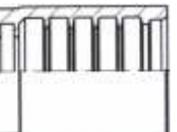
过渡接头 Adapter

| 焊接法兰 Weld Fitting | 焊接法兰 Weld Fitting |  |  |  |  |  |  |  |  |
|-------------------|----------------------|---|---|---|---|---|---|---|---|
| | 法兰夹 Flange Clamps |  |  |  |  |  | | | |

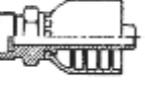
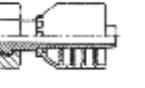
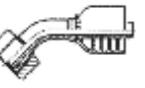
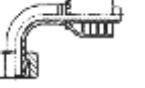
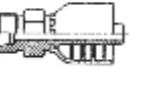
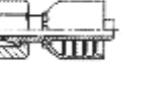
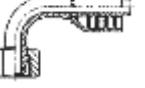
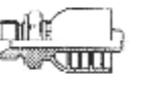
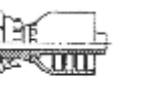
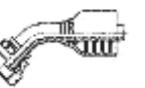
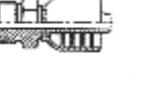
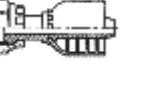
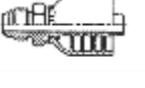
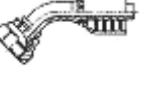
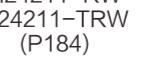
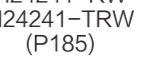
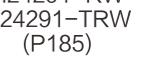
套筒 Ferrule

| | | |
|---|---|------------------|
| 国标、部标四层 钢丝剥外胶套筒 Ferrule For SAE 100R12/20-4 GB 10544 5Type Hose |  | S01400 (P172) |
| 四层钢丝剥外胶套筒 Ferrule For GB 10544 3 Type/20-32, SAE 100R12/06-16, DIN 20023-4SP, 4SH/10-16 Hose |  | H00400 (P172) |
| 多层钢丝剥内外胶套筒 Interlock Ferrule For SAE 100R13/R15, 4SH/12-16Hose |  | H00621 (P173) |

套筒 Ferrule

| | | | |
|--|---|---|---|
| R7树脂管套筒 Ferrule For Two Polyester Braid Hose |  | 两层钢丝不剥胶套筒 Ferrule For GB 3863 2TYPE DIN 20022 2SN, SAE 100R2AT Hose |  |
| 一层钢丝剥外胶套筒 Ferrule For SAE 100R1A Hose |  | 两层钢丝不剥胶套筒 Ferrule For SAE R2AT. DIN 20022 2SN HOSE |  |
| 两层钢丝剥外胶套筒 Ferrule For GB 3863 2TYPE DIN 20022 2ST, SAE 100R2A Hose |  | 国标、部标一层 钢丝剥外胶套筒 Ferrule For China 1 Steel Wire Hose |  |
| 一层钢丝不剥胶套筒 Ferrule For SAE 100R1AT. DIN 20022 1SN Hose |  | 国标、部标两层 钢丝剥外胶套筒 Ferrule For China 2 Steel Wire Hose |  |
| 一层钢丝不剥胶套筒 Ferrule For SAE 100R1AT. DIN 20022 1SN Hose |  | 国标、部标三层 钢丝剥外胶套筒 Ferrule For China 3 Steel Wire Hose |  |

软管接头 Hose Fitting

| | | | | | |
|--------------------------------|--|---|---|---|---|
| 一体式软管接头 One Piece Hose Fitting | 公制24° 锥轻系列 Metric Thread 24° Cone Light Series |  |  |  |  |
| | 公制24° 锥重系列 Metric Thread 24° Cone Heavy Series |  |  |  |  |
| | 英管螺纹60° 锥面密封 BSP Thread 60° Cone Fitting |  |  |  |  |
| | 美制JIC螺纹74° 密封 JIC 74° Cone Fitting |  |  |  |  |
| | 美制ORFS螺纹密封 ORFS Tube Fitting |  |  |  |  |
| | | |  |  |  |

软管接头 Hose Fitting

| I 体式软管接头 One Piece Hose Fitting | SAE法兰轻系列 SAE Flange Light Series | H87311-RW (P186) H87341-RW (P186) H87391-RW (P187) |
|---------------------------------|---|---|
| | SAE法兰重系列 SAE Flange Heavy Series | H87611-RW (P187) H87641-RW (P188) H87691-RW (P188) |
| | 公制24° 锥轻系列 Metric Thread 24° Cone Light Series | H10411 (P189) H20411-W (P190) H20411-T (P190) H20441-W (P191) H20441-T (P191) H20491-W (P192) H20491-T (P192) |
| | 公制24° 锥重系列 Metric Thread 24° Cone Heavy Series | H10511 (P193) H20511-W (P193) H20511-T (P193) H20541-W (P194) H20541-T (P194) H20591-W (P195) H20591-T (P195) |
| | 公制球面密封 Metric Female Multiseal | H20111 (P196) H20111-T (P196) H20141 (P196) H20141-T (P196) H20191 (P197) H20191-T (P197) |
| | 公制平面密封 Metric Female Flat Seat | H20211 (P197) H20211-T (P197) H20241 (P198) H20241-T (P198) H20291 (P198) H20291-T (P198) |

软管接头 Hose Fitting

| 扣压式软管接头 Swaged Hose Fitting | 公制螺旋74° 锥面密封 Metric Thread 74° Fitting | H20711 (P199) H20711-T (P199) H20741 (P200) H20741-T (P200) H20791 (P201) H20791-T (P201) |
|-----------------------------|---|--|
| | 公制卡套式直管 Metric Standpipe Straight DIN 2353 | H50011 (P202) H50041 (P203) H50091 (P204) |
| | 英管螺纹60° 锥面密封 BSP Thread 60° Cone Fitting | H12611 (P205) H12611A (P205) H22611 (P206) H22611-T (P206) H22641 (P207) H22641-T (P207) H22691 (P208) |
| | | H22691-T (P208) H22611-OR (P209) H22611-ORT (P209) H22641-OR (P210) H22641-ORT (P210) H22691-OR (P211) H22691-ORT (P211) |
| | 英管螺纹60° 锥面密封 BSP Thread 60° Cone Fitting | H22611D (P211) H22611D-SM (P212) H22691K (P212) |
| | 英锥管螺纹密封 BSPT Mate | H13011 (P213) |
| | 英制球面密封 BSP Female Multiseal | H22111 (P214) H22111-T (P214) |
| | 美制锥螺纹密封 NPT Thread Fittings | H15611 (P215) H15611SW (P215) |

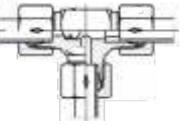
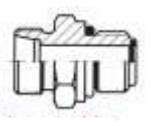
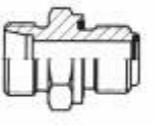
软管接头 Hose Fitting

| | | | | |
|-----------------------------|---|-----------------|-------------------|-----------------|
| 扣压式软管接头 Swaged Hose Fitting | 美制ORFS螺纹密封 ORFS Tube Fitting | H24211 (P216) | H24211-T (P216) | H24211D (P216) |
| | 美制JIC螺纹74° 密封 JIC Female 74° Cone Seat | H24241 (P217) | H24241-T (P217) | H24291 (P217) |
| | | H24291-T (P217) | | |
| | SAE法兰轻系列 SAE Flange Light Series | H16711 (P218) | H26711 (P219) | H26711-T (P219) |
| | | H26711D (P219) | H26711D-SM (P220) | |
| | | H26741 (P220) | H26741-T (P220) | H26791 (P221) |
| | | H26791-T (P221) | H26791K (P221) | |
| | SAE法兰重系列 SAE Flange Heavy Series | H87341 (P222) | H87391 (P222) | |

软管接头 Hose Fitting

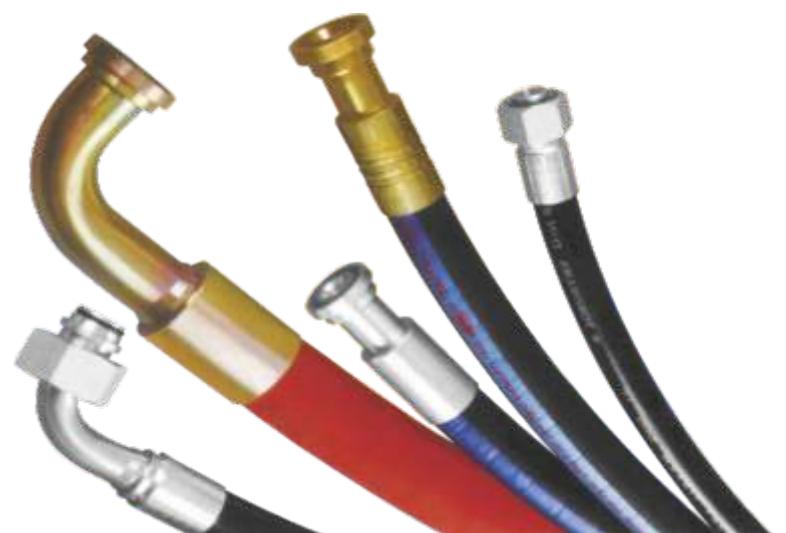
| | | | | |
|---------------------------|---|------------------|------------------|------------------|
| 内锁式软管接头 Interlock Fitting | 公制24° 锥重系列 Metric Thread 24° Cone Heavy Series | H20513-T (P227) | H20543-T (P227) | H20593-T (P227) |
| | 英管螺纹60° 锥面密封 BSP Thread 60° Cone Fitting | H22613-OR (P228) | H22643-OR (P228) | H22693-OR (P228) |
| | 美制JIC螺纹74° 密封 JIC 74° Cone Fitting | H26713 (P229) | H26743 (P229) | H26793 (P229) |
| | 美制ORFS螺纹密封 ORFS Female Flat Seat | H24293 (P230) | | |
| | SAE法兰轻系列 SAE Flange Light Series | H87313 (P230) | H87343 (P230) | H87393 (P231) |
| | SAE法兰重系列 SAE Flange Heavy Series | H87613 (P231) | H87643 (P231) | H87693 (P232) |
| | 9000PSI法兰系列 Flange 9000PSI Series | H87913 (P232) | H87943 (P232) | |

其它产品 Other Fitting

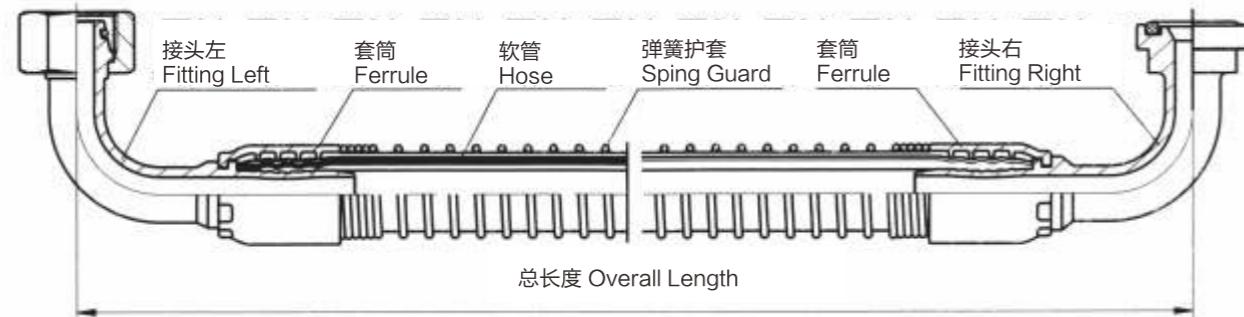
| | | | |
|-----------------------|---|---|---|
| 其他产品 Other Fitting |  |  |  |
| | 三通梭阀 HSF (P234) | 滤网接头 HLWxx-1CH HLWxx-1CG (P235) | 滤网接头 HLWxx-1CM-WD HLWxx-1CB-WD (P235) |
| |  |  |  |
| | 测压接头 (P233) | 钢丝护套 HP (P237) | 尼龙螺旋保护套 RNL (P238) |

B

软管总成 Hydraulic Hose Assembly



软管总成订货方法 How to order Assembly



| | | | | |
|--|---|---|------------------------|-----------------------------|
| <input type="text"/> / <input type="text"/> | X <input type="text"/> | <input type="text"/> X <input type="text"/> | V <input type="text"/> | + RS / <input type="text"/> |
| 左端接头代号 Part number of fitting on the left | 右端接头代号 Part number of fitting on the right | 软管代号 Hose part number | 总成长度 Overall Length | 装配角 Displacement Angle |

订货示例1：H20491-30-12T/H87391-12-12X2T12X1200V90+RS/SSX

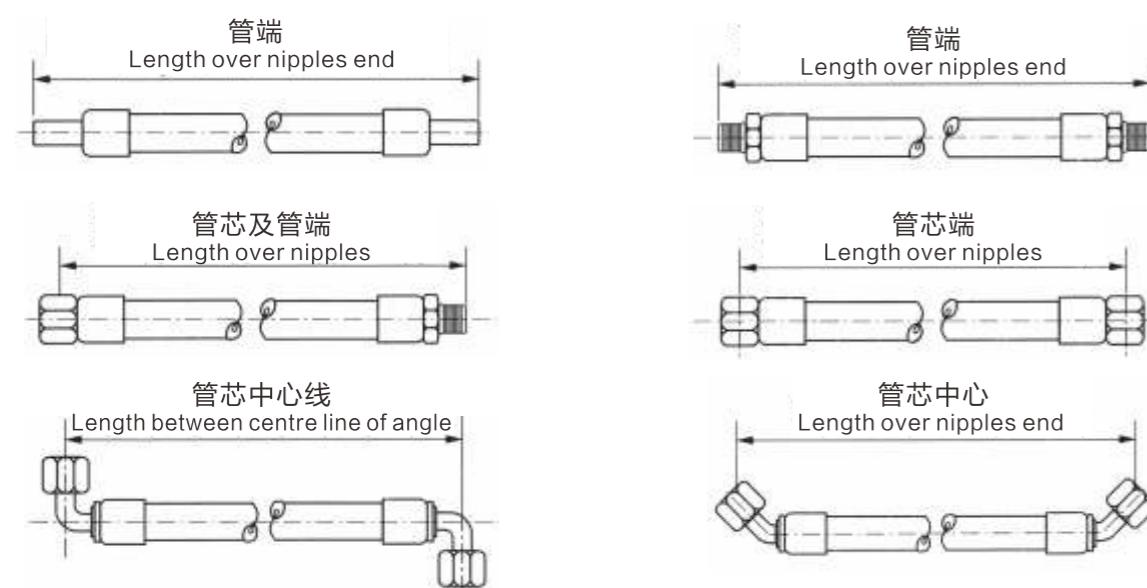
当无装配角、自然弯曲方向或弹簧护套时，则代号中这些内容可省去不写。

订货示例2：当接头1与接头2相同时，只标一个接头的代号。

H20491-30-12TX2T12X1200V90

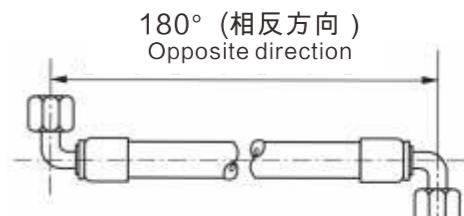
软管总成长度表示方法 How to measure Assembly

软管总成长度L以从接头芯端面或弯接头芯中心为基准进行测量。



软管总成装配角表示方法 How to Measure Displacement Angel

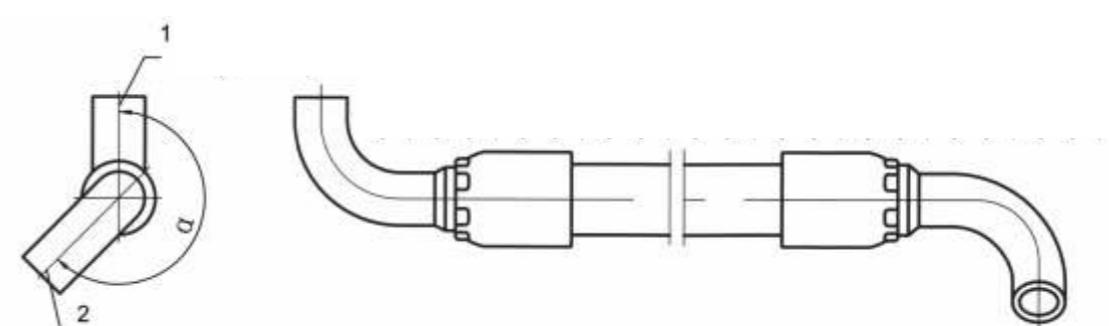
置胶管总成在同一直线上，其中一个接头为垂直方向；按顺时针方向测量另一个接头与垂直方向接头之间的夹角。此夹角即为装配角。



装配角允许公差 $\pm 3^\circ$
Assembly angle tolerance permit $\pm 3^\circ$

软管自然弯曲方向规定 Nature Bending Direction

当总成的两端接头均为弯接头时，装配时两弯接头间有一角度关系。测量时，把软管总成拉直，并沿直线方向看，把弯接头1置垂直向上方向，按顺时针测量弯接头2与垂直放置的弯接头1之间的夹角，即为软管总成的装配角，用V表示。如图所示，例当装配角 α 为 225° 时，标记为V225。



软管总成自然弯曲方向的规定
The provisions of the hose assembly natural bending direction

软管自然弯曲方向规定 Nature Bending Direction

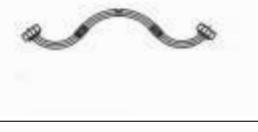
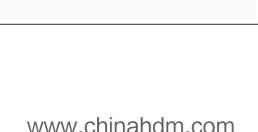
由于软管库存时成捆盘扎，在加工总成时难以拉直，当有一端接头为弯接头时，就存在弯曲接头与软管自然弯曲方向间的关系。
把软管自然放置的平面作为水平面。

软管总成的一端接头为弯曲接头，另一端接头为直线头时有如下四种情况：

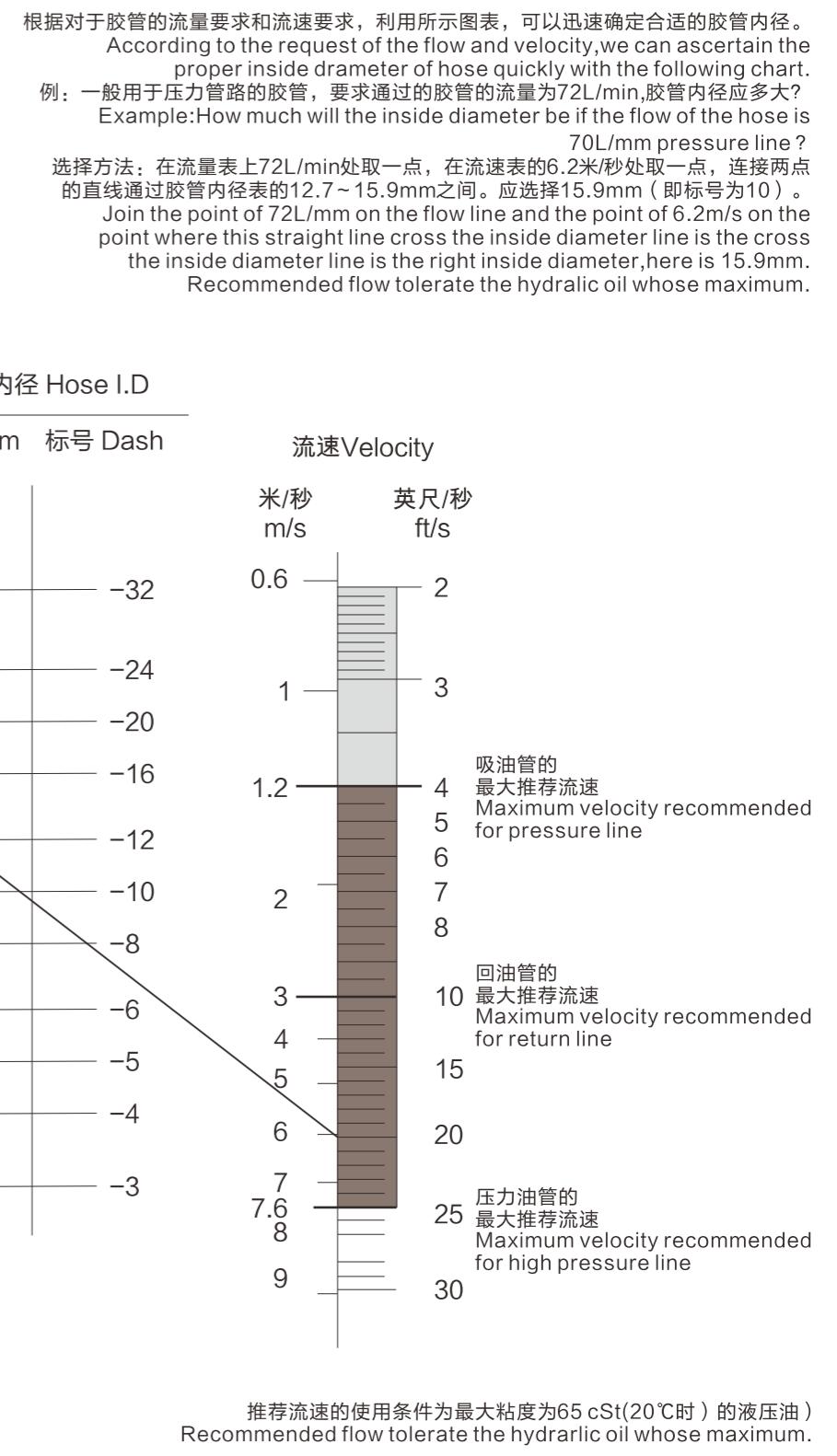
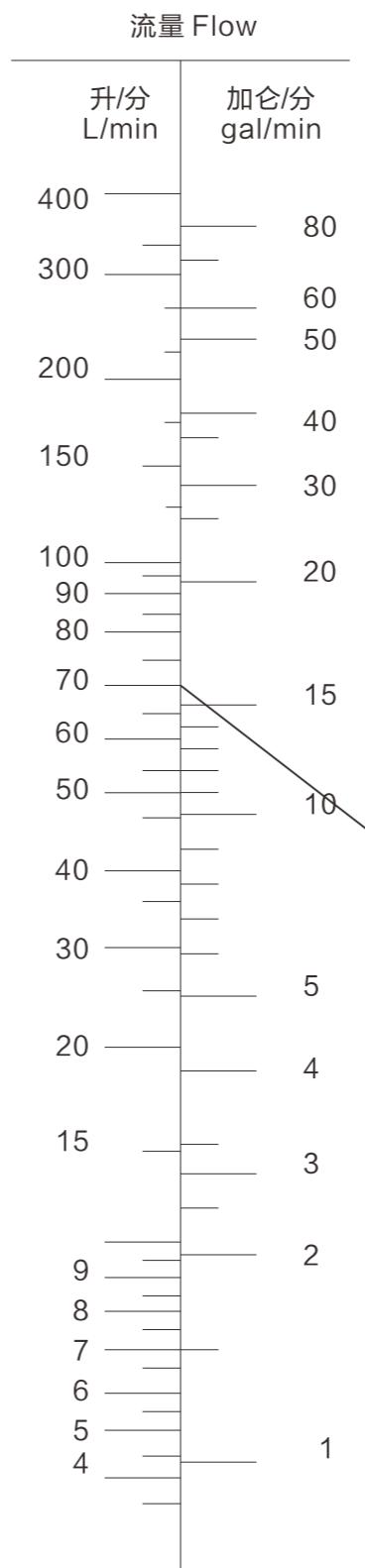
| 图示说明 | 表示 | 代号 |
|---|----------|-----|
|  | 单头平面垂直向外 | DCW |
|  | 单头平面垂直向内 | DCN |

| 图示说明 | 表示 | 代号 |
|--|--------|-----|
|  | 单头水平向上 | DSS |
|  | 单头水平向下 | DSX |

软管总成的二端接头均为弯曲接头时有如下十种情况：

| 图示说明 | 表示 | 代号 |
|---|---------------------|------|
|  | 双头水平向下 | SSX |
|  | 双头水平向上 | SSS |
|  | 接头1向下，接头2向上 | SSY |
|  | 双头同向平面垂直向外 | STC |
|  | 双头异向平面垂直接头1向外，接头2向内 | SYC1 |

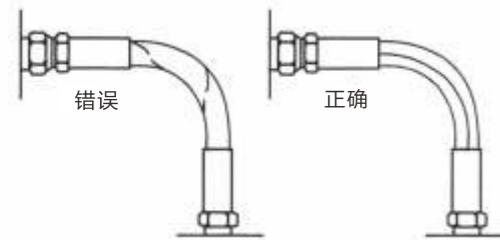
| 图示说明 | 表示 | 代号 |
|--|---------------------|------|
|  | 双头异向平面垂直接头1向内，接头2向外 | SYC2 |
|  | 接头1平面垂直向内接头2水平向上 | YNES |
|  | 接头1平面垂直向外接头2水平向上 | YWES |
|  | 接头1平面垂直向内接头2水平向下 | YNEX |
|  | 接头1平面垂直向外接头2水平向下 | YWEX |



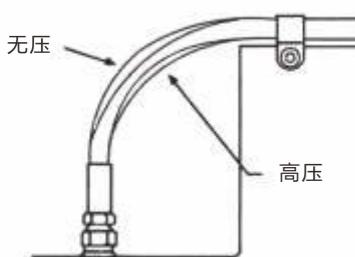
软管安装指南，技术要求

Assembly Installation, Technical requirements

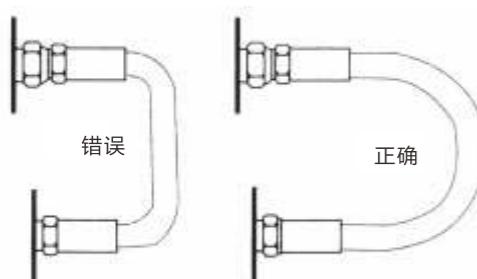
正确地安装胶管至为重要，如胶管过长不但影响外观，而且增加成本。如胶管太短，当其受压而伸展或收缩时，没有足够的伸缩余地，会导致胶管被破坏。以下各图显示安装胶管时应注意的事项，依此安装可达最佳的工作效果并延长胶管的寿命。
Install the hose in a correct way is very important, it will affect the hose's appearance and cost a lot while it is too long, but if the hose is too short, it cannot flex while being crushed. Both too long and too short can break down the hose. So pay more attention to the following guide before you install the assembly.



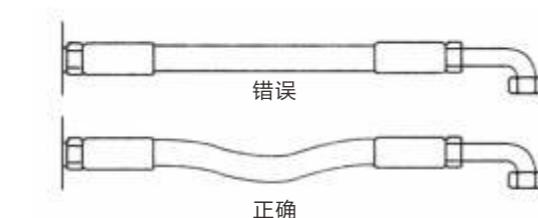
安装胶管时，切勿让其扭歪，否则当受压力时会破坏胶管或令联接处松脱。
Hose should not be twisted. Hose is weakened when installed in twisted position. Also pressure in twisted hose tends to loosen fitting connections. Design so that machine motion produces bending rather than twisting.



当胶管受压时，其长度会改变，因此切勿在弯曲位置上加任何夹子，使其能自由移动。
Don't use any clamps at the inflexion so as it can move freely.



为避免胶管被破坏及流量受限制，胶管弯曲半径应尽可能加大。
Hose bending radius should be as possible when it is in motion.



安装胶管时，切勿让其扭歪，否则当受压力时会破坏胶管或令联接处松脱。
Since hose may change in length from +2% to -4% under the surge of high pressure, provide sufficient slack for expansion and contraction.



当弯曲半径太小时，宜采用直角接头以免胶管出现急弯。
Choose right angle fittings to avoid too small bending radius and excess force.



安装于移动物体间的胶管，应预留足够的长度，并避免和其他物体摩擦。
Reduce friction; avoid hose touching the object directly or far away from the object.
Correct Assembly Installation

1. 胶管尺寸

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

2. 工作压力

资料中有关胶管的动态工作压力是指胶管的连续工作时允许的最高压力。按照有关国际标准规定的液压胶管的安全系数，我们推荐的工作压力通常为胶管最低爆破压力值的四分之一。

3. 冲击压力和疲劳寿命

胶管的选择是根据液压系统设计的最高压力值来确定的。由于液压系统的压力值通常是动态的，有时会出现冲击压力。冲击压力峰值会大大高于系统的最高压力值。但系统上一般都有溢流阀，故冲击压力不会严重影响胶管的疲劳寿命。对于冲击压力特别频繁的液压系统，建议选用特别耐脉动冲击的胶管产品。

4. 温度范围

用户应该在胶管质量规范允许的温度内使用胶管，如果工作环境温度超过这一范围，将会影响到胶管的寿命，其承压能力也会大大降低。工作环境温度长期过高或过低的系统，建议采用软管护套。

5. 化学相容性

若使用特殊的液压介质，用户应确保所选用的胶管总成其胶管内、外层，接头以及O型密封圈与介质相容。

6. 弯曲半径

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

7. 摩擦

胶管在使用时如常与硬物接触或摩擦，建议在胶管外部加弹簧护套。

影响胶管总成使用情况的因素很多，只有按照工况正确选用胶管及接头，才能保证使用胶管的可靠性和经济性。这些因素有：有关豪德玛高压总成的其它技术问题，欢迎垂询。

There are many factors which can affect the usage condition of hose assembly, use the hose assembly and hose fittings in a correct way can ensure its reliability and economical efficiency. These factors are as follows:

1. Hose Dimension

The selection of hose inside diameter must be correctly made. If the hose inside diameter is too small, it will speed up the medium in the pipe-line, heated the system, lower the efficiency and produce excessive pressure drop which will affect the whole system's capability. If it will fix with hose clamp or cross the steel board, the outside diameter of hose should be paid more attention.

2. Working Pressure

The dynamic working pressure in this catalog refers to the allowable maximum pressure in condition of continuously working. According to the safety modulus of hydraulic hose ruled by international standard, we recommend that the working pressure is one quarter of the minimum blast pressures.

3. Impact Pressure & Fatigue Life-span

After determining the maximum system pressure for a hydraulic system, hose selection can be made. For the hydraulic system's pressure always be dynamic, there often appears an impact pressure. The maximum impact pressure is much higher than the maximum system pressure. To be lucky, there is an over fall valve in every hydraulic system, so high impact pressure cannot affect the fatigue life-span seriously. As for hydraulic system whose impact pressure appears very frequently, we advise you choose the special hydraulic hose which is able to endure the high impact pressure.

4. Temperature Range

User must ensure that the temperature is in an allowable range of hose, if exceeding this range, the life-span of hose will be shortened, and the capacity to endure will get down. If the working condition temperature keep too high or too low in a long time, we advise you use the hose spring guard.

5. Chemical Compatibility

If use special hydraulic medium, user should ensure the material of hose inner side and cover, the hose fittings and O-ring can compatible with the special hydraulic medium.

6. Bending Radius

Pay more attention to its minimum bending radius when install the hose assembly, if the bending radius is smaller than the minimum one, the capacity of enduring pressure will get down and the life-span of hose will be shortened.

7. Friction

We advised you use a spring guard if the hose assembly is always in the condition of touching and making friction with hard object. Any technical question about Haodema hose assembly, welcome to inquire!

技术说明

Safety Guide For Hose Assemblies

软管内胶、接头材质与化学物质的相溶性

Intermiscibility of Hose lining, fitting material, chemical substances

| E=excellent 优秀的 C=conditional 限定条件下使用的 U=unsatisfactory 不适用的 G= good 好的 | | 三元乙丙橡胶 EPDM | 合成橡胶 Synthetic Rubber | 铁氟龙 Teflon | 热塑性橡胶 Thermoplastic Elastomer | 钢Steel | 黄铜Brass | 不锈钢 Stainless Steel |
|---|-----------|-------------|-----------------------|------------|-------------------------------|--------|---------|---------------------|
| Fluid | 流体 | Hose 软管 | | | 金属Metal | | | |
| acetaldehyde | 乙醛 | E | U | E | G | G | E | E |
| acetic acid,glacial | 冰醋酸 | E | U | E | C | U | U | C |
| acetic acid ,10% | 乙酸, 10% | C | U | E | C | U | U | C |
| acetone | 丙酮 | E | U | E | G | E | E | E |
| acetyl acetone | 乙酰丙酮 | E | U | E | G | U | C | C |
| acetyl chloride | 乙酰氯 | U | U | E | U | C | C | C |
| acetylene | 乙炔 | E | U | E | G | E | E | E |
| air wet | 湿空气 | E | E | E | C | U | G | E |
| aluminum chloride | 氯化铝 | E | E | E | E | U | U | U |
| aluminum fluoride | 氟化铝 | E | E | E | E | U | U | U |
| aluminum nitrate | 硝酸铝 | E | E | E | E | U | U | C |
| aluminum sulfate | 硫酸铝 | E | E | E | G | U | C | E |
| alums | 明矾 | E | E | E | E | U | C | E |
| ammonia,anhydrous | 无水氨 | U | U | G | U | E | U | E |
| ammonia,.aqueous | 氨水 | E | U | G | U | E | U | E |
| ammonia,cold | 冷氨水 | E | U | G | U | E | U | E |
| ammonia,hot | 热氨水 | E | U | G | U | E | U | E |
| ammonium carbonate | 碳酸铵 | E | U | E | C | C | U | C |
| ammonium chloride | 氯化铵 | E | E | E | C | U | U | C |
| ammonium hydroxide | 氢氧化铵 | E | C | E | U | G | U | C |
| ammonium nitrate | 硝酸铵 | E | G | E | C | G | U | G |
| ammonium phosphate | 磷酸铵 | E | E | E | C | U | C | G |
| ammonium sulfate/sulfide | 硫酸铵, 硫化氨 | E | E | E | C | U | U | G |
| amyl acetate | 乙酸戊酯, 香蕉油 | E | U | E | U | E | E | E |
| amyl alcohol | 戊醇 | E | G | E | E | G | E | E |
| aniline dyes | 苯胺染料 | E | U | E | U | U | C | G |
| aniline,aniline oil | 苯胺 | E | U | E | U | E | U | E |
| arsenic acid | 砷酸 | E | E | E | G | U | U | G |
| asphalt | 沥青 | E | C | E | G | E | G | E |
| barium chloride | 氯化钡 | E | E | E | C | U | G | G |
| barium hydroxide | 氢氧化钡 | E | E | E | G | G | U | G |
| barium sulfide | 硫化钡 | E | E | E | C | C | U | G |
| benzene,A97benzol | 苯 | U | U | E | C | G | E | E |
| benzin | 石油精 | U | G | E | C | E | E | E |
| benzoic acid | 苯甲酸 | U | U | E | C | U | G | G |
| benzyl alcohol | 苯甲醇 | E | U | E | C | E | G | E |
| borax | 硼砂 | E | G | E | G | E | E | E |
| boric acid | 硼酸 | E | G | E | G | U | G | C |
| brine | 浓盐水 | E | G | E | C | U | G | G |
| bromine | 溴 | U | U | E | U | U | C | U |
| butyl alcohol | 丁醇 | E | E | E | G | G | G | G |
| butyl stearate | 硬脂酸丁脂 | U | U | E | - | G | G | G |
| butylene | 丁烯 | U | U | E | - | E | E | E |
| butyraldehyde | 丁醛 | E | U | E | - | E | E | E |
| calcium acetate | 醋酸钙 | E | G | E | C | G | G | G |
| calcium bisulfate | 硫酸氢钙 | U | E | E | G | U | C | C |

| E=excellent 优秀的 C=conditional 限定条件下使用的 U=unsatisfactory 不适用的 G= good 好的 | 三元乙丙橡胶 EPDM | 合成橡胶 Synthetic Rubber | 铁氟龙 Teflon | 热塑性橡胶 Thermoplastic Elastomer | 钢Steel | 黄铜Brass | 不锈钢 Stainless Steel |
|---|-------------|-----------------------|------------|-------------------------------|----------------|---------|---------------------|
| Fluid | 流体 | Hose 软管 | | | 金属Metal | | |
| calcium chloride | 氯化钙 | E | E | E | E | G | G |
| calcium hydroxide | 氢氧化钙 | E | E | E | C | G | G |
| calcium hypochlorite | 次氯酸钙 | E | U | E | C | U | G |
| calcium nitrate | 硝酸钙 | E | E | E | E | G | G |
| cane sugar liquors | 蔗糖汁 | E | E | E | E | E | E |
| carbolic acid | 石碳酸, 苯芬 | E | U | E | U | E | E |
| carbon dioxide | 二氧化碳 | E | G | E | E | E | E |
| carbon disulfide | 二硫化碳 | U | U | E | C | G | G |
| carbon monoxide | 一氧化碳 | E | G | E | E | E | E |
| carbon tetrachloride | 四氯化碳 | U | U | E | U | U | G |
| carbonic acid | 碳酸 | E | G | E | C | U | C |
| castor oil | 蓖麻油 | E | E | E | G | E | E |
| cellosolve acetate | 乙酸溶纤济 | E | U | E | U | U | E |
| china wood oil(tung oil) | 桐油 | U | G | E | C | E | G |
| chlorine | 氯 | U | U | U | U | C | C |
| chloroacetic acid | 氯乙酸 | E | U | E | U | U | U |
| chloroacetone | 氯丙酮 | E | U | E | U | G | G |
| chlorobenzene | 氯苯 | U | U | E | U | G | G |
| chloroform | 氯仿 | U | U | E | U | G | G |
| chlosulfonic acid | 氯磺酸 | U | U | E | U | G | U |
| chrome plating solution | 镀铬溶液 | E | U | E | - | C | U |
| chromic acid | 铬酸 | E | U | E | - | C | U |
| citric acid | 柠檬酸 | E | E | E | C | C | C |
| copper chloride | 氯化铜 | E | E | E | E | U | U |
| copper cyanide | 氰化铜 | E | E | E | - | E | U |
| copper sulfate | 硫酸铜 | E | E | E | G | U | C |
| cotton seed oil | 棉子油 | U | G | E | E | E | E |
| creosote(coal tar) | 煤焦油 | U | C | E | U | E | C |
| crude oil | 原油 | U | G | E | C | G | U |
| cyclohexanone | 环己酮 | E | U | E | G | E | E |
| detergent/Water solution | 清洁剂水溶液 | E | E | E | C | G | E |
| dibenzyl ether | 二苄醚 | E | U | E | - | G | G |
| diesel oil | 柴油 | U | C | E | C | E | E |
| ethyl acetate | 乙酸乙酯 | E | U | E | C | E | E |
| entyl alcohol(ethanol) | 乙醇 | E | E | E | C | E | E |
| ethyl benzene | 乙苯 | E | U | E | | E | G |
| ethyl cellulose | 乙基纤维素 | E | G | E | C | E | G |
| ethyl chloride | 氯乙烷 | U | U | E | U | E | E |
| ethylene dichloride | 二氯乙烯 | E | U | E | U | G | C |
| ethylene glycol | 亚乙基二醇 | E | E | E | C | E | G |
| ferric chloride | 氯化铁 | E | G | E | - | U | U |
| ferric nitrate | 硝酸铁 | E | E | E | C | U | U |
| ferric sulfate | 硫酸铁 | E | G | E | C | U | U |
| formaldehyde | 甲醛 | E | C | E | C | E | E |
| formic acid | 甲酸 | E | C | E | U | C | C |
| fuel oil | 燃料油 | U | G | E | E | E | E |
| furfural | 糠醛 | E | C | E | - | G | G |
| gasohol | 酒精汽油混合燃料 | U | U | E | G | E | E |
| gasoline | 汽油 | U | C | E | E | E | E |
| glycerine/glycerol | 丙三醇甘油 | E | E | E | E | E | E |

软管内胶、接头材质与化学物质的相溶性

Intermiscibility of Hose lining, fitting material, chemical substances

| E=excellent 优秀的 C=conditional 限定条件下使用的 U=unsatisfactory 不适用的 G= good 好的 | | 三元乙丙橡胶 EPDM | 合成橡胶 Synthetic Rubber | 铁氟龙 Teflon | 热塑性橡胶 Thermoplastic Elastomer | 钢Steel | 黄铜Brass | 不锈钢 Stainless Steel |
|---|------------|-------------|-----------------------|------------|-------------------------------|--------|---------|---------------------|
| Fluid | 流体 | Hose 软管 | | | 金属Metal | | | |
| helium | 氦 | E | C | G | C | E | E | E |
| heptane | 庚烷 | U | G | E | E | E | E | E |
| hexane | 己烷 | U | G | E | E | E | E | E |
| hydraulic oils | 液压油 | G | G | G | G | G | G | G |
| phos Ester/petroleum blend | 石油混合物 | - | U | E | C | E | E | E |
| silicone oils | 硅油 | E | E | E | E | E | E | E |
| straight petroleum base | 石油基 | U | E | E | E | E | E | E |
| straight phosphate ester | 磷酸酯 | E | U | E | C | E | E | E |
| water glycol | 乙二醇 | E | E | E | C | E | E | E |
| water petroleum emulsion | 油水乳液 | U | G | E | C | C | E | E |
| hydrobromic acid | 氢溴酸溴化氢 | E | U | E | U | E | U | E |
| hydrochloric acid | 盐酸 | C | U | E | U | U | U | U |
| hydrocyanic acid | 盐酸 | E | C | E | - | E | E | G |
| hydrofluoric acid | 氢氟酸 | C | U | E | U | U | U | U |
| hydrogen | 氢 | E | C | C | C | E | E | E |
| hydrogen peroxide | 过氧化氢 | C | G | E | G | U | U | G |
| hydrogen sulfide dry | 干的硫化氢 | E | U | C | C | E | G | G |
| isooctane | 异辛烷 | U | G | E | E | E | E | E |
| isopropyl alcohol | 异丙醇 | E | G | E | C | E | E | E |
| isopropyl ether | 异丙醚 | U | C | E | - | G | G | G |
| kerosene | 煤油 | U | C | E | G | E | E | E |
| lacquer/lacquer solvents | 真漆/漆用溶剂 | U | U | E | C | U | E | E |
| linseed oil | 亚麻籽油 | U | G | E | G | E | E | E |
| magnesium chloride | 氯化镁 | E | E | E | C | E | C | C |
| magnesium hydroxide | 氢氧化镁 | E | G | E | C | E | G | E |
| magnesium sulfate | 硫酸镁 | E | E | E | C | E | E | E |
| maleic acid | 马来酸 | E | U | E | C | E | G | G |
| maleic anhydride | 顺丁烯二酸酐 | U | U | E | C | G | U | E |
| malic acid | 苹果酸, 羟基丁二酸 | U | G | E | - | U | - | E |
| mercuric chloride | 氯化汞 | E | E | E | E | U | U | U |
| mercury | 汞 | E | E | E | E | E | U | E |
| methanol | 甲醇 | E | G | E | C | G | E | E |
| methyl bromide | 甲基溴吗啡 | U | U | E | U | E | E | G |
| methyl butyl ketone | 甲基丁基酮 | E | U | E | C | E | E | E |
| methyl chloride | 氯甲烷 | U | U | E | U | E | E | E |
| methyl ethyl ketone | 甲基乙基酮 | E | U | E | C | G | G | G |
| methyl isobutyl ketone | 甲基异丁酮 | G | U | E | U | G | G | G |
| methyl isopropyl ketone | 甲基异丙酮 | G | U | E | U | G | G | G |
| methylene chloride | 二氯甲烷 | G | U | E | U | G | G | G |
| mineral oils | 矿物油 | U | E | E | G | E | E | E |
| naphtha | 石脑油 | U | U | E | G | - | - | - |
| naphthalene | 萘 | U | U | E | G | E | G | E |
| natural gas | 天然气 | U | C | U | C | G | G | G |
| nickel acetate | 醋酸镍 | E | U | E | U | G | C | E |
| nickel chloride | 氯化镍 | E | G | E | U | U | U | G |
| nickel sulfate | 硫酸镍 | E | E | E | U | G | G | G |

| E=excellent 优秀的 C=conditional 限定条件下使用的 U=unsatisfactory 不适用的 G= good 好的 | 三元乙丙橡胶 EPDM | 合成橡胶 Synthetic Rubber | 铁氟龙 Teflon | 热塑性橡胶 Thermoplastic Elastomer | 钢Steel | 黄铜Brass | 不锈钢 Stainless Steel |
|---|-------------|-----------------------|------------|-------------------------------|---------|---------|---------------------|
| Fluid | 流体 | Hose 软管 | | | 金属Metal | | |
| nitric acid,over 10% | 硝酸, 超过10% | U | U | E | U | U | E |
| nitric acid,to 10% | 硝酸, 最高10% | U | U | E | C | U | E |
| nitrobenzene | 硝基苯 | E | U | E | U | E | E |
| nitrogen | 氮 | E | E | E | E | E | E |
| octyl alcohol | 辛醇 | E | E | E | E | E | E |
| Oleic acid | 油酸 | U | U | E | G | O | E |
| oleum (fuming sulfuric acid) | 发烟硫酸 | U | U | E | U | G | G |
| oxalic acid | 草酸 | E | G | E | C | U | C |
| oxygen | 氧气 | U | U | U | U | G | G |
| palmitic acid | 十六酸 | E | G | E | G | - | E |
| para-dichlorobenzene | 对二氯苯 | U | U | E | - | G | G |
| pentane | 戊烷 | U | E | E | G | G | G |
| perchloric acid | 高氯酸 | E | C | E | U | U | U |
| perchloroethylene | 全氯乙烯 | U | U | E | U | C | G |
| phenol(carbolic acid) | 苯酚 | U | U | E | U | E | E |
| phosphoric acid | 磷酸 | E | U | E | U | E | E |
| phosphorous trichloride | 三氯化磷 | E | U | E | U | C | U |
| potassium acetate | 醋酸钾 | E | G | E | - | C | G |
| potassium chloride | 氯化钾 | E | E | E | E | C | E |
| potassium cyanide | 氰化钾 | E | E | E | E | C | U |
| potassium dichromate | 重铬酸钾 | E | E | E | E | C | C |
| potassium hydroxide(over 10%) | 氢氧化钾(超过10%) | E | C | E | U | G | G |
| potassium hydroxide(to 10%) | 氢氧化钾(最高10%) | E | G | E | C | G | G |
| potassium nitrate | 硝酸钾 | E | E | E | E | G | E |
| potassium sulfate | 硫酸钾 | E | E | E | E | - | - |
| propane | 丙烷 | U | C | - | - | E | E |
| propyl acetate | 乙酸丙酯 | E | U | E | - | E | E |
| propylene | 丙烯 | U | U | E | - | E | E |
| refrigerant R-12 | 制冷剂R-12 | U | C | - | G | E | E |
| refrigerant R-13 | 制冷剂R-13 | U | C | - | G | E | E |
| refrigerant R-22 | 制冷剂R-22 | U | U | C | U | E | E |
| sewage | 污水 | E | E | E | E | G | G |
| soap (water solutions) | 肥皂水 | E | E | E | C | E | E |
| sodium acetate | 醋酸钠 | E | G | E | - | E | E |
| sodium bicarbonate | 碳酸氢钠 | E | E | E | E | G | E |
| sodium borate | 四硼酸钠 | E | E | E | E | E | E |
| sodium carbonate | 碳酸钠 | E | E | E | E | E | E |
| sodium chloride | 氯化钠 | E | E | E | E | U | C |
| sodium cyanide | 氰化钠 | E | E | E | E | - | C |
| sodium hydroxide(over 10%) | 氢氧化钠(超过10%) | E | U | E | C | C | C |
| sodium hydroxide(to 10%) | 氢氧化钠(最高10%) | E | C | E | G | G | C |
| sodium hypochlorite | 次氯酸钠 | C | C | E | C | U | U |
| sodium metaphosphate | 偏磷酸钠 | E | E | E | E | G | G |
| sodium nitrate | 硝酸钠 | E | G | E | E | C | E |
| sodium perborate | 高硼酸钠 | E | G | E | - | C | U |
| sodium peroxide | 过氧化钠 | E | G | E | - | U | C |
| sodium phosphates | 磷酸钠 | E | E | E | E | U | G |
| sodium silicate | 硅酸钠 | E | E | E | E | E | E |
| sodium sulfate | 硫酸钠 | E | E | E | E | G | G |
| sodium thiosulfate | 硫代硫酸钠 | E | G | E | E | U | C |

软管内胶、接头材质与化学物质的相溶性

Intermiscibility of Hose lining, fitting material, chemical substances

| | | 三元乙丙橡胶 EPDM | 合成橡胶 Synthetic Rubber | 铁氟龙 Teflon | 热塑性橡胶 Thermoplastic Elastomer | 钢Steel | 黄铜Brass | 不锈钢 Stainless Steel |
|---------------------------|------------------|-------------|-----------------------|------------|-------------------------------|---------|---------|---------------------|
| Fluid | 流体 | Hose 软管 | | | | 金属Metal | | |
| soy bean oil | 豆油 | U | G | E | G | E | E | E |
| stannic chloride | 氯化锡 | E | E | E | C | U | U | U |
| steam(up to 388° F) | 水蒸气(最高388° F) | E | U | E | U | E | E | E |
| stearic acid | 硬脂酸 | E | G | E | G | C | C | E |
| styrene | 苯乙烯 | U | U | E | U | E | E | E |
| sulfur | 硫 | E | C | E | G | E | G | G |
| sulfur chloride | 氯化硫 | U | U | E | - | G | - | G |
| sulfur dioxide | 二氧化硫 | E | U | E | U | E | G | G |
| sulfur trioxide | 三氧化硫 | E | U | E | U | G | C | G |
| sulfuric acid (oven 10%) | 硫酸(超过10%) | U | U | E | U | C | C | U |
| sulfuric acid (to 10%) | 硫酸(最高10%) | E | U | E | U | U | G | C |
| sulfurous acid | 亚硫酸 | E | C | E | U | E | C | E |
| tannic acid | 丹宁酸 | E | E | E | G | E | E | E |
| tar(bituminous) | 柏油 | U | C | E | G | E | G | C |
| tartaric acid | 酒石酸 | E | G | E | G | U | C | C |
| tertiary butyl alcohol | 叔丁醇 | E | G | E | G | G | G | G |
| titanium tetrachloride | 四氧化钛 | U | U | E | - | E | U | G |
| toluene (toluol) | 甲苯 | U | U | E | U | E | E | E |
| trichlorethylene | 三氯乙烯 | E | U | E | U | E | -G | E |
| tricresyl phosphate | 硫酸三(邻甲苯酯) | E | U | E | U | E | -U | C |
| triethanolamine | 三乙醇胺 | E | C | E | U | E | U | E |
| tung oil | 桐油 | U | G | E | C | E | G | E |
| turpentine | 松节油 | U | C | E | G | G | G | G |
| varnish | 清漆 | U | C | E | G | E | G | E |
| vinyl chloride | 氯乙烯 | U | U | E | U | E | U | C |
| water(+150° F to +200° F) | 水(151° F到200° F) | E | G | E | U | C | G | E |
| water(+201° F to +350° F) | 水(201° F到350° F) | E | U | E | U | C | G | E |
| water(to +150° F) | 水(最高150° F) | E | E | E | E | C | G | E |
| xylene | 二甲苯 | U | U | E | C | E | E | E |
| zinc chloride | 氯化锌 | E | E | E | E | E | U | G |
| zinc sulfate | 硫酸锌 | E | E | E | - | U | C | G |

HOSE PART NO.AND SPECIFICATION

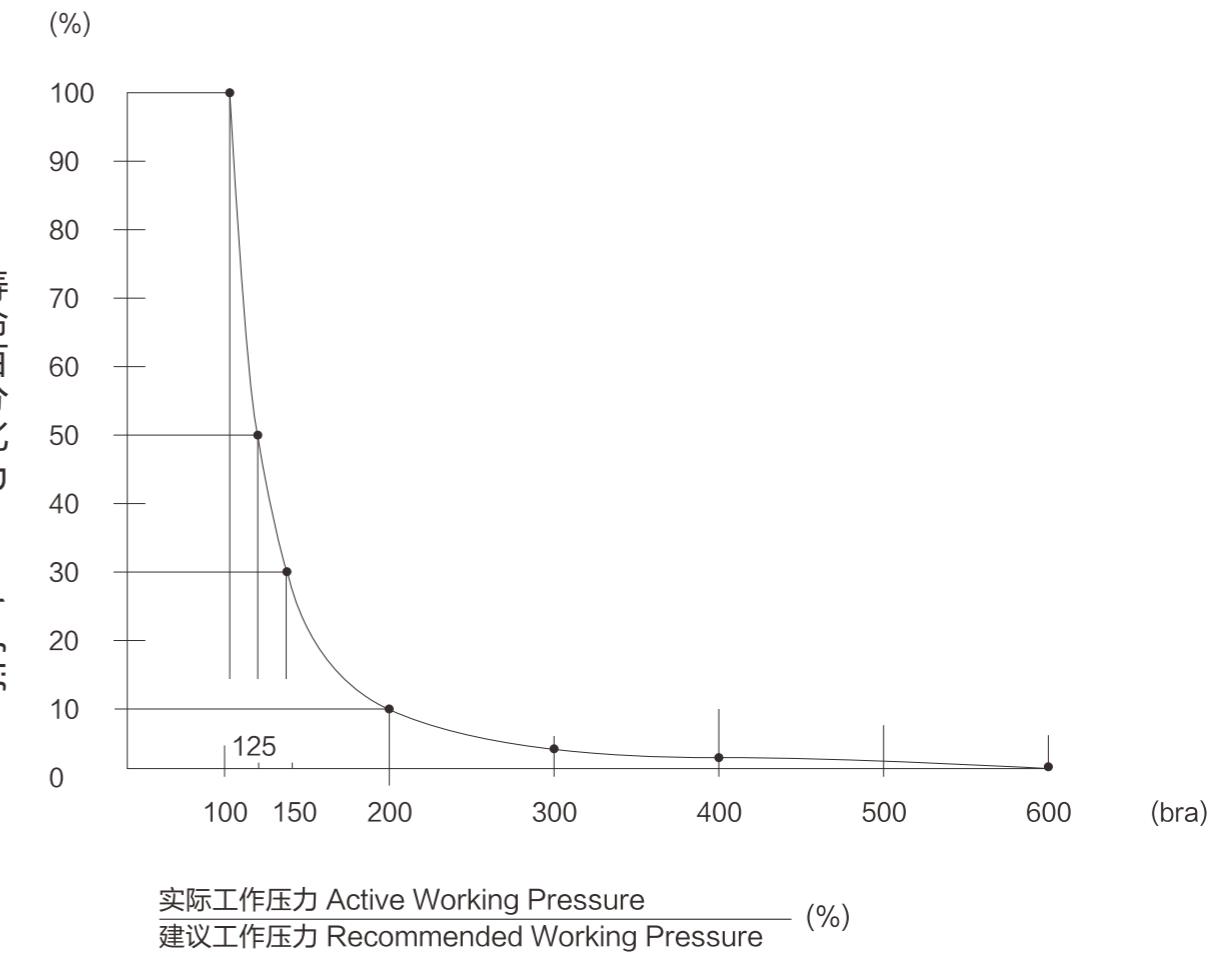
软管代号及技术参数

| 软管类型 | 软管标准 | 软管简号 | 通径 I.D | 5 | 6 | 8 | 10 | 13 | 16 | 19 | 22 | 25 | 28 | 32 | 38 | 51 | |
|------------|---------------|-------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 标号 DASH | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -14 | -16 | -18 | -20 | -24 | -32 | |
| 钢丝 | SAE 100R1AT | 1T | 最小弯曲半径 | 89 | 102 | 114 | 127 | 178 | 203 | 241 | | 305 | 419 | 508 | 635 | | |
| | | | 工作压力 (Mpa) | 20.7 | 19.0 | 17.2 | 15.5 | 13.8 | 10.3 | 8.6 | 6.9 | 4.3 | 3.4 | 2.6 | | | |
| 编织 | SAE 100R2AT | 2T | 最小弯曲半径 | 89 | 102 | 114 | 127 | 178 | 203 | 241 | | 305 | 419 | 508 | 635 | | |
| | | | 工作压力 (Mpa) | 34.5 | 34.5 | 29.3 | 27.6 | 24.1 | 19.0 | 15.5 | | 13.8 | 11.2 | 8.6 | 7.8 | | |
| 软管 | DIN 20021SN | 1SN | 最小弯曲半径 | 90 | 100 | 115 | 130 | 180 | 200 | 240 | | 300 | 420 | 500 | 630 | | |
| | | | 工作压力 (Mpa) | 25.0 | 22.5 | 21.5 | 18.0 | 16.0 | 13.0 | 10.5 | | 8.8 | 6.3 | 5.0 | 4.0 | | |
| Steel | DIN 200222SN | 2SN | 最小弯曲半径 | 90 | 100 | 115 | 130 | 180 | 200 | 240 | | 300 | 420 | 500 | 630 | | |
| | | | 工作压力 (Mpa) | 41.5 | 40.0 | 35.0 | 33.0 | 27.5 | 25 | 21.5 | | 16.5 | 12.5 | 9.0 | 8.0 | | |
| Wire | EN 8532SN | Braid | 最小弯曲半径 | 90 | 100 | 115 | 130 | 180 | 205 | 240 | 280 | | 300 | 420 | 500 | 630 | |
| | | | 工作压力 (Mpa) | 21.0 | 20.0 | 17.5 | 16.0 | 14.0 | 10.5 | 9.0 | 8.0 | 7.0 | 4.4 | 3.5 | 2.6 | | |
| Hose | GB 3683 1型 | 1W | 最小弯曲半径 | 90 | 100 | 115 | 130 | 180 | 205 | 240 | 280 | | 300 | 420 | 500 | 630 | |
| | | | 工作压力 (Mpa) | 35.0 | 32.0 | 28.0 | 25.0 | 20.0 | 16.0 | 14.0 | 14.0 | 11.0 | 9.0 | 8.0 | | | |
| GB 3683 2型 | 2W | R12 | 最小弯曲半径 | | | | | 127 | 178 | 203 | 241 | | 305 | 419 | 508 | 635 | |
| | | | 工作压力 (Mpa) | | | | | 27.6 | 27.6 | 27.6 | | 27.6 | 20.7 | 17.2 | | | |
| SAE | 100 R12 | 4SP | 最小弯曲半径 | 150 | | | | | | | | | 340 | 460 | 560 | 660 | |
| | | | 工作压力 (Mpa) | 50.0 | | | | 46.0 | 42.5 | 40.0 | 38.0 | | 32.0 | 21.0 | 18.5 | 17.5 | |
| 钢丝 | DIN 20023-4SP | 4SH | 最小弯曲半径 | | | | | | | | | 250 | 280 | 340 | 460 | 560 | |
| | | | 工作压力 (Mpa) | | | | | | | | | 45.0 | 42.0 | 38.5 | 35.0 | 30.0 | 25.0 |
| 缠绕 | DIN 20023-4SH | 4SC | 最小弯曲半径 | 100 | 125 | 140 | 150 | 205 | 235 | 280 | | 360 | 460 | 560 | 710 | | |
| | | | 工作压力 (Mpa) | 69.0 | 60.5 | 56.0 | 51.5 | 43.0 | 38.0 | 34.5 | | 200 | 280 | 340 | 460 | 560 | 700 |
| Steel | GB10544 3型 | 4SE | 最小弯曲半径 | | | | | | | | | 55.0 | 42.0 | 38.0 | 32.5 | 29.0 | 25.0 |
| | | | 工作压力 (Mpa) | | | | | | | | | | | | | | |

软管与接头芯、套筒配用表
HOSE AND SUITABLE FITTINGS, FERRULE

| | | | | | | | | | | | | | |
|-----------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| 软管 管号 | 通径 I.D | 5 | 6 | 8 | 10 | 13 | 16 | 19 | 22 | 25 | 32 | 38 | 51 |
| 标号 DASH | -03 | -04 | -05 | -06 | -08 | -10 | -12 | -14 | -16 | -20 | -24 | -24 | -32 |
| 1T 1SN | 配用套筒 配用接头芯 | H00110-03A | H00110-04A | H00110-05A | H00110-06A | H00110-08A | H00110-10A | H00110-12A | H00110-16A | H00110-20A | H00110-24A | H00110-32A | |
| 2T 2SN | 配用套筒 配用接头芯 | H03310-03 | H03310-04 | H03310-05 | H03310-06 | H03310-08 | H03310-10 | H03310-12 | H03310-16 | H03310-20 | H03310-24 | H03310-32 | |
| 1W | 配用套筒 配用接头芯 | H00100-03 | H00100-04 | H00100-05 | H00100-06 | H00100-08 | H00100-10 | H00100-12 | H00100-14 | H00100-16 | H00100-20 | H00100-24 | H00100-32 |
| 2W | 配用套筒 配用接头芯 | H00200-03 | H00200-04 | H00200-05 | H00200-06 | H00200-08 | H00200-10 | H00200-12 | H00200-14 | H00200-16 | H00200-20 | H00200-24 | H00200-32 |
| R12 | 配用套筒 配用接头芯 | | | | | | | | | | | | |
| 4SP | 配用套筒 配用接头芯 | | | | | | | | | | | | |
| 4SH | 配用套筒 配用接头芯 | | | | | | | | | | | | |
| 4SC | 配用套筒 配用接头芯 | | | | | | | | | | | | |
| 4SE | 配用套筒 配用接头芯 | | | | | | | | | | | | |

实际寿命百分比 Percent of life (%)



- 从图可看出，当实际工作压力为建议工作压力的1.25倍时，其寿命仅为正常是一半。
- As shown when active working pressure is 1.25 times recommended working pressure the hose working life is only half of it under working in recommended working pressure.

贮存要求 Storage requirements

软管总成的贮存要求

- 只要有可能，贮存温度应当在0~35℃之间，贮存期间产品的温度最高不得超过50℃。
- 贮存区不得停放能产生臭氧的装置。如汞蒸气灯、高电压电气装置、电动机或其他能产生电火花或放电的装置。
- 不能与腐蚀性产品放在一起或暴露在这些产品的挥发气体中。
- 应远离热源和能产生电场和磁场的设备。
- 应避免阳光或强烈人造光源直射。
- 应避免与尖锐的物体或地面接触。
- 应平放，堆叠不能很高。
- 应保证不受啮齿类动物的侵害。
- 贮存时遵守先进先出的原则。

一层钢丝编织软管 One Steel Wire Braid Hose (SAE 100R1AT)

内衬层 Inner Tube:耐油合成橡胶 Oil Resistant Synthetic Rubber

增强层 Reinforcement: 1层钢丝编织增强层 One Steel Wire Braid Reinforcement

外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic

温度范围 Temperature Range:-40℃ ~ +100℃



可用接头芯 Insert : xxxx1-xx-xx系列 xxxx1-xx-xx Series

| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|------------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| 1T04 | 6 | -04 | 1/4" | 6.4 | 13.4 | 19.2 | 76.8 | 102 | H00110-04A |
| 1T05 | 8 | -05 | 5/16" | 7.9 | 15.0 | 17.5 | 70 | 114 | H00110-05A |
| 1T06 | 10 | -06 | 3/8" | 9.5 | 17.4 | 15.7 | 62.8 | 127 | H00110-06A |
| 1T08 | 13 | -08 | 1/2" | 12.7 | 20.6 | 14 | 56 | 178 | H00110-08A |
| 1T10 | 16 | -10 | 5/8" | 15.9 | 23.7 | 10.5 | 42 | 203 | H00110-10A |
| 1T12 | 19 | -12 | 3/4" | 19 | 27.7 | 8.7 | 8 | 241 | H00110-12A |
| 1T16 | 25 | -16 | 1" | 25.4 | 35.6 | 7 | 28 | 305 | H00110-16A |
| 1T20 | 32 | -20 | 1.1/4" | 31.8 | 43.5 | 4.3 | 17.2 | 419 | H00110-20A |
| 1T24 | 38 | -24 | 1.1/2" | 38.1 | 50.6 | 3.5 | 14 | 508 | H00110-24A |
| 1T32 | 51 | -32 | 2" | 50.8 | 64.1 | 2.6 | 10.3 | 635 | H00110-32A |

一层钢丝编织软管 One Steel Wire Braid Hose (EN 853 1SN)

内衬层 Inner Tube:耐油合成橡胶 Oil Resistant Synthetic Rubber

增强层 Reinforcement: 1层钢丝编织增强层 One Steel Wire Braid Reinforcement

外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic

温度范围 Temperature Range:-40℃ ~ +100℃



可用接头芯 Insert : xxxx1-xx-xx系列 xxxx1-xx-xx Series

| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|------------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| 1SN04 | 6 | -04 | 1/4" | 6.4 | 13.4 | 22.5 | 90.0 | 100 | H00110-04A |
| 1SN05 | 8 | -05 | 5/16" | 7.9 | 15.0 | 21.5 | 85.0 | 115 | H00110-05A |
| 1SN06 | 10 | -06 | 3/8" | 9.5 | 17.4 | 18.0 | 72.0 | 130 | H00110-06A |
| 1SN08 | 13 | -08 | 1/2" | 12.7 | 20.6 | 16.0 | 64.0 | 180 | H00110-08A |
| 1SN10 | 16 | -10 | 5/8" | 15.9 | 23.7 | 13.0 | 52.0 | 200 | H00110-10A |
| 1SN12 | 19 | -12 | 3/4" | 19 | 27.7 | 10.5 | 42.0 | 240 | H00110-12A |
| 1SN16 | 25 | -16 | 1" | 25.4 | 35.6 | 8.8 | 35.0 | 300 | H00110-16A |
| 1SN20 | 32 | -20 | 1.1/4" | 31.8 | 43.5 | 6.3 | 25.0 | 420 | H00110-20A |
| 1SN24 | 38 | -24 | 1.1/2" | 38.1 | 50.6 | 5.0 | 20.0 | 500 | H00110-24A |
| 1SN32 | 51 | -32 | 2" | 50.8 | 64.1 | 4.0 | 16.0 | 630 | H00110-32A |

Store conditions of the Assembly

- If possible, the storing temperature range is within 0~35℃, During storing, temperature should not exceed 50℃.
- The storing areas can not place equipments which can produce ozone. For example mercury vapour lamp, high voltage electric and other equipments which can produce spark or set out electricity.
- Can not be placed with erosive products or exposed over gas volatile of these products.
- Far away from heat source and equipments which can produce electric field or magnetic field.
- Avoid sunshine or strong artificial light source.
- Avoid to touch the sharp objects or the ground.
- Can not be piled up too high.
- Guarantee against rodent attacking.
- Observe the rule of "First in ,then first out".

二层钢丝编织软管 Two Steel Wire Braid Hose (SAE 100R 2AT)

内衬层 Inner Tube: 耐油合成橡胶 Oil Resistant Synthetic Rubber
 增强层 Reinforcement: 2层钢丝编织增强层 Two Steel Wire Braid Reinforcement
 外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic
 温度范围 Temperature Range: -40°C ~ +100°C
 可用接头芯 Insert : xxxx1-xx-xx系列 xxxx1-xx-xxSeries



| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| 2T04 | 6 | -04 | 1/4" | 6.4 | 15.0 | 34.5 | 137.9 | 102 | H03310-04 |
| 2T05 | 8 | -05 | 5/16" | 7.9 | 16.7 | 29.3 | 117.2 | 114 | H03310-05 |
| 2T06 | 10 | -06 | 3/8" | 9.5 | 19.1 | 27.6 | 110.3 | 127 | H03310-06 |
| 2T08 | 13 | -08 | 1/2" | 12.7 | 22.2 | 24.1 | 96.5 | 178 | H03310-08 |
| 2T10 | 16 | -10 | 5/8" | 15.9 | 25.4 | 19.0 | 75.8 | 203 | H03310-10 |
| 2T12 | 19 | -12 | 3/4" | 19 | 29.3 | 15.1 | 62.0 | 241 | H03310-12 |
| 2T16 | 25 | -16 | 1" | 25.4 | 38.1 | 13.8 | 55.2 | 305 | H03310-16 |
| 2T20 | 32 | -20 | 1.1/4" | 31.8 | 48.3 | 11.2 | 44.8 | 419 | H03310-20 |
| 2T24 | 38 | -24 | 1.1/2" | 38.1 | 54.6 | 8.6 | 34.5 | 508 | H03310-24 |
| 2T32 | 51 | -32 | 2" | 50.8 | 67.4 | 7.8 | 31.0 | 635 | H03310-32 |

二层钢丝编织软管 Two Steel Wire Braid Hose (EN 853 2SN)

内衬层 Inner Tube: 耐油合成橡胶 Oil Resistant Synthetic Rubber
 增强层 Reinforcement: 2层钢丝编织增强层 Two Steel Wire Braid Reinforcement
 外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic
 温度范围 Temperature Range: -40°C ~ +100°C
 可用接头芯 Insert : xxxx1-xx-xx系列 xxxx1-xx-xxSeries



| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| 2SN04 | 6 | -04 | 1/4" | 6.4 | 15.0 | 40.0 | 160.0 | 100 | H03310-04 |
| 2SN05 | 8 | -05 | 5/16" | 7.9 | 16.7 | 35.0 | 140.0 | 115 | H03310-05 |
| 2SN06 | 10 | -06 | 3/8" | 9.5 | 19.1 | 33.0 | 132.0 | 130 | H03310-06 |
| 2SN08 | 13 | -08 | 1/2" | 12.7 | 22.2 | 27.5 | 110.0 | 180 | H03310-08 |
| 2SN10 | 16 | -10 | 5/8" | 15.9 | 25.4 | 25.0 | 100.0 | 200 | H03310-10 |
| 2SN12 | 19 | -12 | 3/4" | 19 | 29.3 | 21.5 | 85.0 | 240 | H03310-12 |
| 2SN16 | 25 | -16 | 1" | 25.4 | 38.1 | 16.5 | 65.0 | 300 | H03310-16 |
| 2SN20 | 32 | -20 | 1.1/4" | 31.8 | 48.3 | 12.5 | 50.0 | 420 | H03310-20 |
| 2SN24 | 38 | -24 | 1.1/2" | 38.1 | 54.6 | 9.0 | 36.0 | 500 | H03310-24 |
| 2SN32 | 51 | -32 | 2" | 50.8 | 67.4 | 8.0 | 32.0 | 630 | H03310-32 |

钢丝缠绕软管 Four SteelWire Spiral Hose(GB/T10544R12-SAE 100 R12-EN856 R12)

内衬层 Inner Tube: 耐油合成橡胶 Oil Resistant Synthetic Rubber
 增强层 Reinforcement: 4层高强度钢丝缠绕增强层 Four Steel Wire Spirals Reinforcement
 外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic
 温度范围 Temperature Range: -40°C ~ +121°C
 可用接头芯 Insert : xxxx2-xx-xx系列 xxxx2-xx-xxSeries



| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| R1206 | 10 | -06 | 3/8" | 9.5 | 20.3 | 28.0 | 112.0 | 127 | H00400-06 |
| R1208 | 13 | -08 | 1/2" | 12.7 | 23.8 | 28.0 | 112.0 | 178 | H00400-08 |
| R1210 | 16 | -10 | 5/8" | 15.9 | 27.4 | 28.0 | 112.0 | 203 | H00400-10 |
| R1212 | 19 | -12 | 3/4" | 19 | 30.7 | 28.0 | 112.0 | 241 | H00400-12 |
| R1216 | 25 | -16 | 1" | 25.4 | 38.0 | 28.0 | 112.0 | 305 | H00400-16 |
| R1220 | 32 | -20 | 1.1/4" | 31.8 | 47.0 | 21 | 84.0 | 419 | H01400-20 |
| R1224 | 38 | -24 | 1.1/2" | 38.1 | 53.5 | 17.5 | 70.0 | 508 | H01400-24 |
| R1232 | 51 | -32 | 2" | 50.8 | 66.7 | 17.5 | 70.0 | 635 | H00401-32 |

钢丝缠绕软管 Four SteelWire Spiral Hose(GB/T10544 4SP-EN856 4SP)

内衬层 Inner Tube: 耐油合成橡胶 Oil Resistant Synthetic Rubber
 增强层 Reinforcement: 4层高强度钢丝编织增强层 Four Steel Wire Spirals Reinforcement
 外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic
 温度范围 Temperature Range: -40°C ~ +100°C
 可用接头芯 Insert : xxxx2-xx-xx系列 xxxx2-xx-xxSeries



| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| 4SP04 | 6 | -04 | 1/4" | 6.4 | 17.9 | 45.0 | 180.0 | 150 | H00400-04 |
| 4SP06 | 10 | -06 | 3/8" | 9.5 | 21.4 | 44.5 | 178.0 | 180 | H00400-06 |
| 4SP08 | 13 | -08 | 1/2" | 12.7 | 24.6 | 41.5 | 166.0 | 230 | H00400-08 |
| 4SP10 | 16 | -10 | 5/8" | 15.9 | 28.2 | 35.0 | 140.0 | 250 | H00400-10 |
| 4SP12 | 19 | -12 | 3/4" | 19 | 32.2 | 35.0 | 140.0 | 300 | H00400-12 |
| 4SP16 | 25 | -16 | 1" | 25.4 | 39.7 | 28.0 | 112.0 | 340 | H00400-16 |
| 4SP20 | 32 | -20 | 1.1/4" | 31.8 | 50.8 | 21.0 | 84.0 | 460 | H00400-20 |
| 4SP24 | 38 | -24 | 1.1/2" | 38.1 | 57.2 | 18.5 | 74.0 | 560 | H00400-24 |
| 4SP32 | 51 | -32 | 2" | 50.8 | 69.8 | 16.5 | 66.0 | 660 | H00400-32 |

钢丝缠绕软管 Four SteelWire Spiral Hose(GB/T10544 4SH-EN856 4SH)

内衬层 Inner Tube:耐油合成橡胶 Oil Resistant Synthetic Rubber

增强层 Reinforcement: 4层高强度钢丝缠绕织增强层 Four High Tensile Steel Spirals Reinforcement

外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic

温度范围 Temperature Range:-40°C ~ +100°C

可用接头芯 Insert : xxxx2-xx-xx系列 xxxx2-xx-xxSeries



钢丝缠绕软管 Multiple SteelWire Spiral Hose(GB/T10544R15-SAE 100 R15-EN856 R15)

内衬层 Inner Tube:耐油合成橡胶 Oil Resistant Synthetic Rubber

增强层 Reinforcement: 多层高强度钢丝缠绕增强层 Multiple High Tensile Steel Spirals Reinforcement

外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic

温度范围 Temperature Range:-40°C ~ +100°C

可用接头芯 Insert : xxxx3-xx-xx系列 xxxx3-xx-xxSeries



| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| 4SH12 | 19 | -12 | 3/4" | 19 | 32.2 | 42.0 | 168.0 | 280 | H00400-12 |
| 4SH16 | 25 | -16 | 1" | 25.4 | 38.7 | 38.0 | 152.0 | 340 | H00400-16 |
| 4SH20 | 32 | -20 | 1.1/4" | 31.8 | 45.5 | 32.5 | 130.0 | 460 | H00401-20 |
| 4SH24 | 38 | -24 | 1.1/2" | 38.1 | 53.5 | 29.0 | 116.0 | 560 | H00401-24 |
| 4SH32 | 51 | -32 | 2" | 50.8 | 68.1 | 25.0 | 100.0 | 700 | H00401-32 |

| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| R1512 | 19 | -12 | 3/4" | 19 | 31.6 | 42.0 | 168.0 | 280 | H00621-12 |
| R1516 | 25 | -16 | 1" | 25.4 | 38.6 | 42.0 | 168.0 | 300 | H00621-16 |
| R1520 | 32 | -20 | 1.1/4" | 31.8 | 49.6 | 42.0 | 168.0 | 400 | H00621-20 |
| R1524 | 38 | -24 | 1.1/2" | 38.1 | 56.5 | 42.0 | 168.0 | 500 | H00621-24 |

钢丝缠绕软管 Multiple SteelWire Spiral Hose(GB/T10544R13-SAE 100 R13-EN856 R13)

内衬层 Inner Tube:耐油合成橡胶 Oil Resistant Synthetic Rubber

增强层 Reinforcement: 多层高强度钢丝缠绕增强层 Multiple High Tensile Steel Spirals Reinforcement

外覆层 Cover: 耐油耐恶劣天气合成橡胶 Oil And Weather Resistant Synthetic

温度范围 Temperature Range:-40°C ~ +121°C

可用接头芯 Insert : xxxx2-xx-xx系列 xxxx3-xx-xxSeries;



树脂软管 Two Polyester Braid Hose(SAE 100R7-EN855 R7)

内衬层 Inner Tube:热塑性塑料聚脂 Thermoplastic Polyester

增强层 Reinforcement: 2层高强度聚酯编织增强层 Two High Tenacity Polyester Braids Reinforcement

外覆层 Cover: 耐油耐恶劣天气耐摩擦耐臭氧聚氨酯 Oil,Fuel,Weather,Ozone

And Abrasion Resistant Thermoplastic Polyurethane

温度范围 Temperature Range:-40°C ~ +93°C

可用接头芯 Insert : xxxx1S-xx-xx系列 xxxx1S-xx-xxSeries



| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|--------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| R1312 | 19 | -12 | 3/4" | 19 | 32.1 | 34.5 | 137.9 | 241 | H00621-12 |
| R1316 | 25 | -16 | 1" | 25.4 | 38.7 | 34.5 | 137.9 | 305 | H00621-16 |
| R1320 | 32 | -20 | 1.1/4" | 31.8 | 49.8 | 34.5 | 137.9 | 419 | H00621-20 |
| R1324 | 38 | -24 | 1.1/2" | 38.1 | 57.3 | 34.5 | 137.9 | 508 | H00621-24 |
| R1332 | 51 | -32 | 2" | 50.8 | 71.8 | 34.5 | 137.9 | 635 | H00621-32 |

| 软管代号 | 公称内径 | 软管尺寸 | | 软管内径 | 软管外径 | 最大工作压力 | 最小爆破压力 | 最小弯曲半径 | 配用套筒 |
|----------|------|-----------|-------|-----------|-----------|----------|--------------------|------------------|-----------|
| HOSE | DN | HOSE SIZE | | HOSE I.D. | HOSE O.D. | MAX W.P. | MIN.BURST PRESSURE | MIN.BEND. RADIUS | FERRULE |
| PART NO. | mm | DASH | Inch | mm | mm | MPa | MPa | mm | |
| R703 | 5 | -03 | 3/16" | 4.8 | 9.5 | 20.7 | 82.7 | 40 | H00018-03 |
| R704 | 6 | -04 | 1/4" | 6.4 | 11.9 | 19.0 | 75.8 | 50 | H00018-04 |
| R705 | 8 | -05 | 5/16" | 7.9 | 14.3 | 17.2 | 68.9 | 60 | H00018-05 |
| R706 | 10 | -06 | 3/8" | 9.5 | 16.5 | 15.5 | 62.0 | 75 | H00018-06 |
| R708 | 13 | -08 | 1/2" | 12.7 | 20.4 | 13.8 | 55.2 | 95 | H00018-08 |