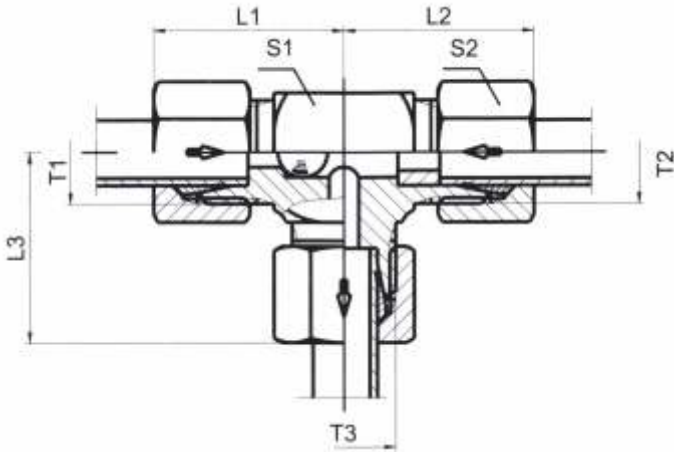


三通梭阀  
Alternating Valve

使用止阀时，当介质从进口T1端进入时，浮动钢球在介质动力作用下，自动将进口T2端关闭。反之亦然。  
These vales permit the passage of flow from either inlet 1 or 2 to the outlet port whilst shutting of the inlet port not in use.The shutting off , of an inlet is achieved by a floating ball bearing which moves by the pressure of the flow.



HSF

材料：碳钢，表面镀锌  
温度：-40℃--+120℃  
泄漏：最高压力Pmax下每分钟20滴泄漏  
Material:steel  
Surface finish:Zinc plated  
Temperature range without pressure reductions:-40℃ up to +120℃  
Recommended fitting position as shown in the picture.  
Leakage rate for alternating valves (hydraulic test with test pressure=Pmax:  
approx. 20 drops(test period of 1 minute ).

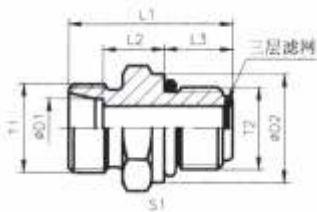
| 系列<br>SERIES | 代号<br>PART NO. | 螺纹THREAD |         |         | 管子外径<br>¢ O.D. | 尺寸 DIMENSIONS |    |    |    |    | 重量<br>克/件 | 最大工作压力<br>(bar) |
|--------------|----------------|----------|---------|---------|----------------|---------------|----|----|----|----|-----------|-----------------|
|              |                | T1       | T2      | T3      |                | L1            | L2 | L3 | S1 | S2 |           |                 |
| L            | HSF-AC-14      | M14X1.5  | M14X1.5 | M14X1.5 | 08             | 29            | 29 | 29 | 17 | 17 | 107       | 250             |
|              | HSF-AC-16      | M16X1.5  | M16X1.5 | M16X1.5 | 10             | 30            | 30 | 30 | 17 | 19 | 131       | 250             |
|              | HSF-AC-18      | M18X1.5  | M18X1.5 | M18X1.5 | 12             | 32            | 32 | 32 | 19 | 22 | 175       | 250             |
|              | HSF-AC-22      | M22X1.5  | M22X1.5 | M22X1.5 | 15             | 36            | 36 | 36 | 19 | 27 | 253       | 250             |

\*注：如需带卡套及卡套螺母整套订货，则请在代号后加“RN” ,如HSF-AC-14/RN。  
Note: In case if you are interested to order the adapter in complete set with cutting ring and nut, it is necessary to insert suffix “RN” after our part NO,for example HSF-AC-14/RN.

滤网接头  
Filter fitting

HLWxx-1CG  
英管螺纹O型圈密封柱端带滤网  
BSP THREAD STUD ENDS WITH FILTER

HLWxx-1CH  
公制螺纹O型圈密封柱端带滤网  
METRIC THREAD STUD ENDS WITH FILTER

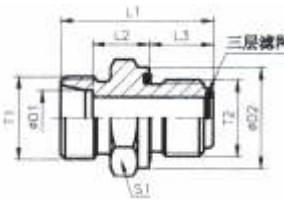


| 代号<br>PART NO.  | 螺纹 THREAD |          | 管子外径 |    | 尺寸 DIMENSIONS |      |      |    |    |    | 重量<br>g | 工作压力<br>Mpa | 系列<br>SERIES |
|-----------------|-----------|----------|------|----|---------------|------|------|----|----|----|---------|-------------|--------------|
|                 | T1        | T2       | D1   | D2 | L1            | L2   | L3   | L4 | S1 | S2 |         |             |              |
| HLWxx-1CG-14-04 | M14X1.5   | G1/4"X19 | 08   | 18 | 31            | 10   | 14   | 25 | 19 | 17 | 26      | 315         | L            |
| HLWxx-1CG-18-06 | M18X1.5   | G3/8"X19 | 12   | 22 | 33.5          | 12.5 | 14   | 27 | 22 | 22 | 43      | 315         |              |
| HLWxx-1CG-22-08 | M22X1.5   | G1/2"X14 | 15   | 26 | 37            | 14   | 16   | 29 | 27 | 27 | 72      | 250         |              |
| HLWxx-1CG-30-12 | M30X2     | G3/4"X14 | 22   | 32 | 42            | 16.5 | 18   | 33 | 32 | 36 | 103     | 160         |              |
| HLWxx-1CH-16-14 | M16X1.5   | M14X1.5  | 10   | 19 | 31            | 11   | 13   | 26 | 19 | 19 | 28      | 500         |              |
| HLWxx-1CH-18-16 | M18X1.5   | M16X1.5  | 12   | 22 | 33            | 12.5 | 13.5 | 27 | 22 | 22 | 42      | 400         |              |
| HLWxx-1CH-22-18 | M22X1.5   | M18X1.5  | 15   | 24 | 35            | 13.5 | 14.5 | 29 | 24 | 27 | 56      | 400         |              |
| HLWxx-1CH-26-22 | M26X1.5   | M22X1.5  | 18   | 27 | 37            | 14.5 | 15   | 31 | 27 | 32 | 80      | 400         |              |

注：表中“xx”表示滤网目数，可供60目或80目，如HLM60-1CG-14-04或HLW80-1CG-14-04。  
Note:"xx" is filter mesh,60 and 80 meshes are available,as HLW60-1CG-14-04 or HLW80-1CG-14-04.

HLWxx-1CB-WD  
英管螺纹胶垫密封柱端带滤网  
BSP THREAD WITH CAPTIVE SEAL WITH FILTER

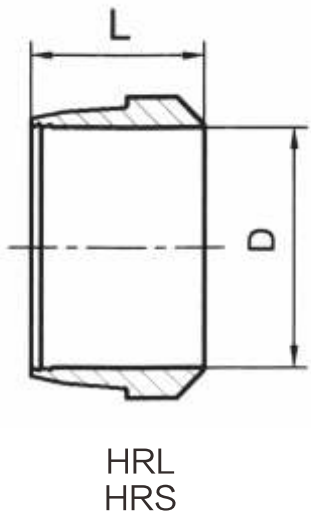
HLWxx-1CM-WD  
公制螺纹胶垫密封柱端带滤网  
METRIC THREAD WITH CAPTIVE SEAL WITH FILTER



| 代号<br>PART NO.    | 螺纹 THREAD |          | 管子外径 |    | 尺寸 DIMENSIONS |      |    |    |    |    | 重量<br>g | 工作压力<br>Mpa | 系列<br>SERIES |
|-------------------|-----------|----------|------|----|---------------|------|----|----|----|----|---------|-------------|--------------|
|                   | T1        | T2       | D1   | D2 | L1            | L2   | L3 | L4 | S1 | S2 |         |             |              |
| HLWxx-1CB-14-04WD | M14X1.5   | G1/4"X19 | 08   | 19 | 31            | 10   | 14 | 25 | 19 | 17 | 27      | 500         | L            |
| HLWxx-1CB-18-06WD | M18X1.5   | G3/8"X19 | 12   | 22 | 33.5          | 12.5 | 14 | 27 | 22 | 22 | 41      | 420         |              |
| HLWxx-1CB-22-08WD | M22X1.5   | G1/2"X14 | 15   | 27 | 37            | 14   | 16 | 29 | 27 | 27 | 72      | 400         |              |
| HLWxx-1CB-30-12WD | M30X2     | G3/4"X14 | 22   | 32 | 42            | 16.5 | 18 | 33 | 32 | 36 | 102     | 250         |              |
| HLWxx-1CM-16-14WD | M16X1.5   | M14X1.5  | 10   | 19 | 32            | 11   | 14 | 26 | 19 | 19 | 29      | 500         |              |
| HLWxx-1CM-18-16WD | M18X1.5   | M16X1.5  | 12   | 22 | 33.5          | 12.5 | 14 | 27 | 22 | 22 | 40      | 400         |              |
| HLWxx-1CM-22-18WD | M22X1.5   | M18X1.5  | 15   | 24 | 34.5          | 13.5 | 14 | 29 | 24 | 27 | 51      | 400         |              |
| HLWxx-1CM-26-22WD | M26X1.5   | M22X1.5  | 18   | 27 | 38            | 14.5 | 16 | 31 | 27 | 32 | 74      | 400         |              |

注：表中“xx”表示滤网目数，可供60目或80目，如HLM60-1CM-16-14WD或HLW80-1CM-14-14WD。  
Note:"xx" is filter mesh,60 and 80 meshes are available,as HLM60-1CM-16-14WD or HLW80-1CM-14-14WD.

卡套  
Cutting ring



| 系列<br>SERIES | 代号<br>PART NO. | 管子外径 $\phi$ O.D. | 尺寸DIMENSIONS | 重量<br>克/件 | 最大工作压力<br>(bar) |
|--------------|----------------|------------------|--------------|-----------|-----------------|
|              |                | D                | L            |           |                 |
| L            | HRL-06         | 06               | 9            | 1.7       | 315             |
|              | HRL-18         | 08               | 9            | 2.2       | 315             |
|              | HRL-10         | 10               | 9.5          | 3.1       | 315             |
|              | HRL-12         | 12               | 9.8          | 3.5       | 315             |
|              | HRL-15         | 15               | 9.5          | 4.5       | 315             |
|              | HRL-18         | 18               | 9.5          | 5.5       | 315             |
|              | HRL-22         | 22               | 10.5         | 7.3       | 160             |
|              | HRL-28         | 28               | 11.5         | 9.4       | 160             |
|              | HRL-35         | 35               | 13.5         | 20        | 160             |
|              | HRL-42         | 42               | 13.5         | 23        | 160             |
| S            | HRS-06         | 06               | 9            | 1.7       | 630             |
|              | HRS-08         | 08               | 9            | 3.2       | 630             |
|              | HRS-10         | 10               | 9.5          | 3.1       | 630             |
|              | HRS-12         | 12               | 9.8          | 3.5       | 630             |
|              | HRS-14         | 14               | 9.5          | 3.9       | 630             |
|              | HRS-16         | 16               | 9.5          | 5.6       | 400             |
|              | HRS-20         | 20               | 12.5         | 11.4      | 400             |
|              | HRS-25         | 25               | 12.5         | 13.3      | 400             |
|              | HRS-35         | 30               | 12.5         | 19.3      | 400             |
|              | HRS-38         | 38               | 13.5         | 22.5      | 315             |

钢丝护套  
Spring guard



HP

| 序号<br>NO. | 代号<br>PART NO | 内径<br>ID (mm) | 钢丝线径<br>Steel wire $\Phi$ | 可配胶管<br>Fit Hose             |
|-----------|---------------|---------------|---------------------------|------------------------------|
| 1         | HP-15         | 15            | 1.5                       | 1T04                         |
| 2         | HP-17         | 17            | 1.5                       | 1T05、2T04                    |
| 3         | HP-19         | 19            | 1.5                       | 1T06、2T05、4SP04              |
| 4         | HP-22         | 22            | 2                         | 2T06、R1206、1T08              |
| 5         | HP-23         | 23            | 2                         | 4SP06、2T08                   |
| 6         | HP-25         | 25            | 2                         | 1T10、R1208                   |
| 7         | HP-26         | 26            | 2                         | 4SP08                        |
| 8         | HP-27         | 27            | 2                         | 2T10                         |
| 9         | HP-29         | 29            | 2                         | R1210、1T12、4SP10             |
| 10        | HP-31         | 31            | 2                         | 2T12                         |
| 11        | HP-32         | 32            | 2                         | R1212                        |
| 12        | HP-33         | 33            | 2                         | 4SP12、4SH15、R1312、R1512      |
| 13        | HP-37         | 37            | 2                         | 1T16                         |
| 14        | HP-40         | 40            | 2                         | 2T16、R1216、R1316、R1516、4SH16 |
| 15        | HP-42         | 42            | 2.5                       | 4SP16                        |
| 16        | HP-45         | 45            | 2.5                       | 1T20                         |
| 17        | HP-47         | 47            | 2.5                       | 4SH20                        |
| 18        | HP-49         | 49            | 2.5                       | 2T20、R1220                   |
| 19        | HP-51         | 51            | 2.5                       | R1320、R1520                  |
| 20        | HP-52         | 52            | 2.5                       | 1T24、4SP20                   |
| 21        | HP-55         | 55            | 2.5                       | R1224、4SH24                  |
| 22        | HP-56         | 56            | 2.5                       | 2T24                         |
| 23        | HP-59         | 59            | 2.5                       | 4SP24、R1324、R1524            |
| 24        | HP-66         | 66            | 2.5                       | 1T32                         |
| 25        | HP-69         | 69            | 2.5                       | 2T32、R1332                   |
| 26        | HP-71         | 71            | 2.5                       | 4SP32、4SH32                  |
| 27        | HP-74         | 74            | 2.5                       | R1332                        |

注：1、图示为密绕状态，使用时需拉伸；  
2、表中规定弹簧长度为300mm；  
3、表中可配胶管规格仅供参考，具体需实物测量。

Note :1. There is tightness, please stretch when use.  
2. The spring lenght is 300mm.  
3. The fit hose only for reference. Please measure when you use.

尼龙螺旋保护套  
Spiral Plastic Protective Sleeve



RNL

| 代号<br>PART NO. | 内径<br>ID (mm) | 适用软管外径<br>HOSE OD(mm) |
|----------------|---------------|-----------------------|
| RNL-08         | Φ8            | Φ8-Φ12                |
| RNL-10         | Φ10           | Φ10-Φ15               |
| RNL-12         | Φ12           | Φ12-Φ16               |
| RNL-16         | Φ16           | Φ16-Φ24               |
| RNL-18         | Φ18           | Φ18-Φ27               |
| RNL-21         | Φ21           | Φ21-Φ32               |
| RNL-25         | Φ25           | Φ25-Φ38               |
| RNL-28         | Φ28           | Φ28-Φ42               |
| RNL-30         | Φ30           | Φ30-Φ45               |
| RNL-32         | Φ32           | Φ32-Φ48               |
| RNL-35         | Φ35           | Φ35-Φ50               |
| RNL-38         | Φ38           | Φ38-Φ55               |
| RNL-42         | Φ42           | Φ42-Φ60               |
| RNL-45         | Φ45           | Φ45-Φ68               |
| RNL-50         | Φ50           | Φ50-Φ75               |
| RNL-60         | Φ60           | Φ60-Φ90               |

- 特性:
- 1、颜色:黑色、黄色、红色;
  - 2、工作环境温度: -40~125℃;
  - 3、抗静电, 高耐磨, 寿命长、弯曲半径小;
  - 4、耐空气、水、油、汽油和各种溶剂。

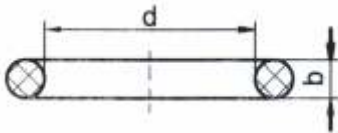
Description:

- 1.Color:Black.Yellow.Red
- 2.Working Temp:-40~125℃
- 3.Antl-statics,Good Wear Resistant,Long Working Life,Small Bend Red ius
- 4.Air,Water,Oil,Gasoline and Solvent Resistant.

注: 表中代号表示黑色, 黄色代号后加Y,如RNL-18Y;  
红色代号后加R, 如RNL-30R。  
Notes:The default Part NO.iss black,if you need yellow ,please add "Y" in the end,E.g. RNL-18Y,red is RNL-18R.

密封件  
Seal

O型圈 O-ring



| DIN 24° 锥轻系列O型圈密封用O型圈<br>For DIN 24° Cone O-ring L.T. |         |               |     |           |
|-------------------------------------------------------|---------|---------------|-----|-----------|
| O型圈代号                                                 | 螺纹      | 尺寸 DIMENSIONS |     | 管子外径      |
| PART NO.                                              | THREAD  | d             | b   | TUBE O.D. |
| O04.5X1.5                                             | M12X1.5 | 4.5           | 1.5 | 6         |
| O06.5X1.5                                             | M14X1.5 | 6.5           | 1.5 | 8         |
| O08.0X1.5                                             | M16X1.5 | 8.0           | 1.5 | 10        |
| O10.0X1.5                                             | M18X1.5 | 10.0          | 1.5 | 12        |
| O12.0X2.0                                             | M22X1.5 | 12.0          | 2.0 | 15        |
| O15.0X2.0                                             | M26X1.5 | 15.0          | 2.0 | 18        |
| O15.0X2.0                                             | M27X1.5 | 15.0          | 2.0 | 18        |
| O19.0X2.0                                             | M30X2   | 19.0          | 2.0 | 22        |
| O25.0X2.0                                             | M36X2   | 25.0          | 2.0 | 28        |
| O32.0X2.5                                             | M45X2   | 32.0          | 2.5 | 35        |
| O38.0X2.5                                             | M52X2   | 38.0          | 2.5 | 42        |

| DIN 24° 锥重系列O型圈密封用O型圈<br>For DIN 24° Cone O-ring S.T. |         |               |     |           |
|-------------------------------------------------------|---------|---------------|-----|-----------|
| O型圈代号                                                 | 螺纹      | 尺寸 DIMENSIONS |     | 管子外径      |
| PART NO.                                              | THREAD  | d             | b   | TUBE O.D. |
| O04.5X1.5                                             | M14X1.5 | 4.5           | 1.5 | 6         |
| O06.5X1.5                                             | M16X1.5 | 6.5           | 1.5 | 8         |
| O08.5X1.5                                             | M18X1.5 | 8.0           | 1.5 | 10        |
| O10.0X1.5                                             | M20X1.5 | 10.0          | 1.5 | 12        |
| O11.0X2.0                                             | M22X1.5 | 11            | 2.0 | 14        |
| O13.0X2.0                                             | M24X1.6 | 13            | 2.0 | 16        |
| O16.3X2.4                                             | M30X2   | 16.3          | 2.4 | 20        |
| O20.3X2.4                                             | M36X2   | 20.3          | 2.4 | 25        |
| O25.3X2.4                                             | M42X2   | 25.3          | 2.4 | 30        |
| O33.3X2.4                                             | M52X2   | 33.3          | 2.4 | 38        |

| 美制ORFS外螺纹平面O型圈密封用O型圈<br>For ORFS Male O-ring |               |               |      |
|----------------------------------------------|---------------|---------------|------|
| O型圈代号                                        | 螺纹            | 尺寸 DIMENSIONS |      |
| PART NO.                                     | THREAD        | d             | b    |
| O7.65X1.78                                   | 9/16"X18UNF   | 7.65          | 1.78 |
| O9.25X1.78                                   | 11/16"X16UN   | 9.25          | 1.78 |
| O12.42X1.78                                  | 13/16"X16UN   | 12.42         | 1.78 |
| O15.6X1.78                                   | 1"X14UNSF     | 15.6          | 1.78 |
| O18.77X1.78                                  | 1.3/16"X12UN  | 18.77         | 1.78 |
| O23.52X1.78                                  | 1.7/16"X12UN  | 23.52         | 1.78 |
| O29.87X1.78                                  | 1.11/16"X12UN | 29.87         | 1.78 |
| O37.82X1.78                                  | 2"X12UN       | 37.82         | 1.78 |

| ISO 6162 法兰用O型圈<br>For ISO 6162 Flange O-ring |             |               |      |
|-----------------------------------------------|-------------|---------------|------|
| O型圈代号                                         | 法兰型号        | 尺寸 DIMENSIONS |      |
| PART NO.                                      | FLANGE SIZE | d             | b    |
| O18.64X3.53                                   | 1/2"        | 18.64         | 3.53 |
| O24.99X3.53                                   | 3/4"        | 24.99         | 3.53 |
| O32.92X3.53                                   | 1"          | 32.92         | 3.53 |
| O37.69X3.53                                   | 1.1/4"      | 37.69         | 3.53 |
| O47.22X3.53                                   | 1.1/2"      | 47.22         | 3.53 |
| O56.74X3.53                                   | 2"          | 56.74         | 3.53 |
| O69.44X3.53                                   | 2.1/2"      | 69.44         | 3.53 |

| 英管外螺纹O型圈密封接头用O型圈<br>For BSP Male O-Ring |            |               |      |
|-----------------------------------------|------------|---------------|------|
| O型圈代号                                   | 螺纹         | 尺寸 DIMENSIONS |      |
| PART NO.                                | THREAD     | d             | b    |
| O10.77X2.62                             | G1/4"X19   | 10.77         | 2.62 |
| O13.94X2.62                             | G3/8"X19   | 13.94         | 2.62 |
| O17.12X2.62                             | G1/2"X14   | 17.12         | 2.62 |
| O19.18X2.46                             | G5/8"X14   | 19.18         | 2.46 |
| O23.47X2.62                             | G3/4"X14   | 23.47         | 2.62 |
| O29.74X3.53                             | G1"X11     | 29.74         | 3.53 |
| O37.69X3.53                             | G1.1/4"X11 | 37.69         | 3.53 |
| O44.04X3.53                             | G1.1/2"X11 | 44.04         | 3.53 |
| O54.0X3.0                               | G2"X11     | 54.0          | 3.0  |

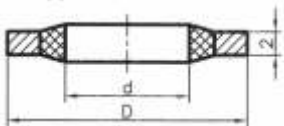
| 公制外螺纹可调向柱端用O型圈<br>For Metric Male Adjustable Stud End O-ring |         |               |     |
|--------------------------------------------------------------|---------|---------------|-----|
| O型圈代号                                                        | 螺纹      | 尺寸 DIMENSIONS |     |
| PART NO.                                                     | THREAD  | d             | b   |
| O06.1X1.6                                                    | M8X1    | 6.1           | 1.6 |
| O08.1X1.6                                                    | M10X1   | 8.1           | 1.6 |
| O09.3X2.4                                                    | M12X1.5 | 9.3           | 2.4 |
| O11.3X2.4                                                    | M14X1.5 | 11.3          | 2.4 |
| O13.3X2.4                                                    | M16X1.5 | 13.3          | 2.4 |
| O15.3X2.4                                                    | M18X1.5 | 15.3          | 2.4 |
| O17.3X2.4                                                    | M20X1.5 | 17.3          | 2.4 |
| O19.3X2.4                                                    | M22X1.5 | 19.3          | 2.4 |
| O21.3X3.0                                                    | M24X1.5 | 21.3          | 3.0 |
| O23.5X3.0                                                    | M26X1.5 | 23.5          | 3.0 |
| O23.5X3.0                                                    | M27X2   | 23.5          | 3.0 |
| O26.5X3.0                                                    | M30X2   | 26.5          | 3.0 |
| O29.5X3.0                                                    | M33X2   | 29.5          | 3.0 |
| O38.5X3.0                                                    | M42X2   | 38.5          | 3.0 |
| O44.5X3.0                                                    | M48X2   | 44.5          | 3.0 |
| O46.2X3.0                                                    | M60X2   | 46.2          | 3.0 |



密封件  
 Seal

| 矿用接头用O型圈<br>Staple-lok O-ring |              |       |               |     |
|-------------------------------|--------------|-------|---------------|-----|
| O型圈代号                         | 规格           | 类别代号  | 尺寸 DIMENSIONS |     |
| PART NO.                      | FITTING SIZE | STYLE | d             | b   |
| O06.0X2.0                     | 04           | D     | 6.0           | 2.0 |
| O10.0X2.0                     | 05           | D     | 10.0          | 2.0 |
| O10.0X2.0                     | 06           | D     | 10.0          | 2.0 |
| O13.0X2.5                     | 08           | D     | 13.0          | 2.5 |
| O16.0X2.5                     | 10           | D     | 16.0          | 2.5 |
| O19.0X2.5                     | 12           | D     | 19.0          | 2.5 |
| O25.0X2.5                     | 16           | D     | 25.0          | 2.5 |
| O33.0X2.5                     | 20           | D     | 33.0          | 2.5 |
| O40.0X3.0                     | 24           | D     | 40.0          | 3.0 |
| O49.0X3.0                     | 32           | D     | 49.0          | 3.0 |
| O33.0X3.0                     | 20           | G     | 33.0          | 3.0 |
| O38.0X3.0                     | 24           | G     | 38.0          | 3.0 |
| O44.0X3.0                     | 32           | G     | 44.0          | 3.0 |
| O11.0X1.9                     | 04           | K     | 11.0          | 1.9 |
| O13.0X1.9                     | 05           | K     | 13.0          | 1.9 |
| O15.0X2.4                     | 06           | K     | 15.0          | 2.4 |
| O18.0X2.4                     | 08           | K     | 18.0          | 2.4 |
| O20.0X2.4                     | 12           | K     | 20.0          | 2.4 |
| O24.0X2.4                     | 16           | K     | 24.0          | 2.4 |
| O30.0X3.1                     | 20           | K     | 30.0          | 3.1 |

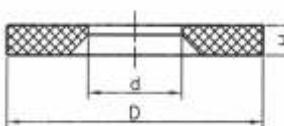
组合垫 Bonded Seal



| 组合垫代号    | 螺纹          | 尺寸 DIMENSIONS |    |
|----------|-------------|---------------|----|
| PART NO. | THREAD      | d             | D  |
| ZHD-10   | M10、G1/8"   | 10.4          | 16 |
| ZHD-14   | M14、G1/4"   | 14.4          | 20 |
| ZHD-16   | M16         | 16.4          | 22 |
| ZHD-18   | M18、G3/8"   | 18.4          | 25 |
| ZHD-22   | M22、G1/2"   | 22.5          | 30 |
| ZHD-24   | M24         | 24.5          | 32 |
| ZHD-27   | M27、G3/4"   | 27.5          | 35 |
| ZHD-30   | M30         | 30.5          | 38 |
| ZHD-33   | M33、G1"     | 33.5          | 42 |
| ZHD-36   | M36         | 36.6          | 46 |
| ZHD-42   | M42、G1.1/4" | 42.6          | 53 |
| ZHD-45   | M45         | 45.6          | 56 |
| ZHD-48   | M45、G1.1/2" | 48.7          | 60 |
| ZHD-52   | M52         | 52.7          | 66 |
| ZHD-60   | M60、G2"     | 60.7          | 75 |

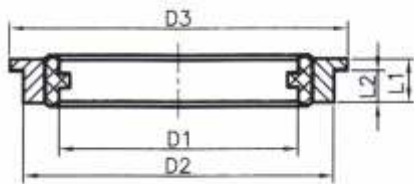
| 美制SAE外援纹O型圈密封接头用O型圈<br>For SAE Mate O-ring |              |               |      |
|--------------------------------------------|--------------|---------------|------|
| O型圈代号                                      | 螺纹           | 尺寸 DIMENSIONS |      |
| PART NO.                                   | THREAD       | d             | b    |
| O8.92X1.83                                 | 7/16"X20UNF  | 8.92          | 1.83 |
| O10.52X1.83                                | 1/2"X20UNF   | 10.52         | 1.83 |
| O11.89X1.98                                | 9/16"X18UNF  | 11.89         | 1.98 |
| O16.36X2.21                                | 3/4"X16UNF   | 16.36         | 2.21 |
| O19.18X2.46                                | 7/8"X14UNF   | 19.18         | 2.46 |
| O23.47X2.95                                | 1.1/16"X12UN | 23.47         | 2.95 |
| O26.62X2.95                                | 1.3/16"X12UN | 26.62         | 2.95 |
| O29.74X2.95                                | 1.5/16"X12UN | 29.74         | 2.95 |
| O37.46X3.00                                | 1.5/8"X12UN  | 37.46         | 3.0  |
| O43.69X3.00                                | 1.7/8"X12UN  | 43.69         | 3.0  |
| O59.36X3.00                                | 2.1/2"X12UN  | 59.36         | 3.0  |

胶垫 CAPTLVE SEAL



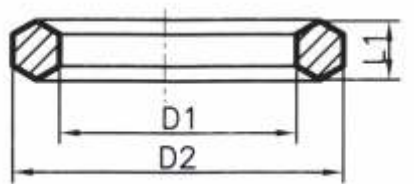
| 胶垫代号     | 螺纹         | 尺寸 DIMENSIONS |      |     |
|----------|------------|---------------|------|-----|
| PART NO. | THREAD     | d             | D    | H   |
| WD-B02   | G1/8"X28   | 8.4           | 11.9 | 1.0 |
| WD-B04   | G1/4"X19   | 11.6          | 16.5 | 1.5 |
| WD-B06   | G3/8"X19   | 14.7          | 18.9 | 1.5 |
| WD-B08   | G1/2"X14   | 18.5          | 23.9 | 1.5 |
| WD-B12   | G3/4"X14   | 23.9          | 29.2 | 1.5 |
| WD-B16   | G1"X11     | 29.7          | 35.7 | 2.0 |
| WD-B20   | G1.1/4"X11 | 38.8          | 45.8 | 2.0 |
| WD-B24   | G1.1/2"X11 | 44.7          | 50.7 | 2.0 |
| WD-B02   | M10X1      | 8.4           | 11.9 | 1.0 |
| WD-M12   | M12X1.5    | 9.8           | 14.4 | 1.5 |
| WD-B04   | M14X1.5    | 11.6          | 16.5 | 1.5 |
| WD-M16   | M16X1.5    | 13.8          | 18.9 | 1.5 |
| WD-M18   | M18X1.5    | 15.7          | 20.9 | 1.5 |
| WD-M20   | M20X1.5    | 17.8          | 22.9 | 1.5 |
| WD-M22   | M22X1.5    | 19.6          | 24.3 | 1.5 |
| WD-B12   | M26X1.5    | 23.9          | 29.2 | 1.5 |
| WD-B12   | M27X2      | 23.9          | 29.2 | 1.5 |
| WD-B16   | M33X2      | 29.7          | 35.7 | 2.0 |
| WD-B20   | M42X2      | 38.8          | 45.8 | 2.0 |
| WD-B24   | M48X2      | 44.7          | 50.7 | 2.0 |

KDS 弹性密封垫



| 密封垫代号   | 螺纹          | 尺寸 DIMENSIONS |      |      |     |     |
|---------|-------------|---------------|------|------|-----|-----|
| PART NO | THREAD      | D1            | D2   | D3   | L1  | L2  |
| KDS-M10 | M10、G1/8"   | 10.3          | 14.9 | 16.0 | 2.5 | 1.1 |
| KDS-M12 | M12         | 12.3          | 17.0 | 18.0 | 3.0 | 1.6 |
| KDS-M14 | M14、G1/4"   | 14.3          | 18.9 | 20.0 | 3.0 | 1.6 |
| KDS-M16 | M16、G3/8"   | 17.0          | 21.9 | 24.0 | 3.0 | 2.1 |
| KDS-M18 | M18         | 18.3          | 23.9 | 23.9 | 3.0 |     |
| KDS-M22 | M22、G1/2"   | 22.3          | 26.9 | 30.0 | 4.5 | 2.6 |
| KDS-M26 | M26         | 26.3          | 31.9 | 35.0 | 3.5 | 2.6 |
| KDS-M27 | M27、G3/4"   | 27.3          | 32.9 | 38.0 | 3.5 | 2.6 |
| KDS-M33 | M33、G1"     | 33.6          | 39.9 | 42.0 | 3.5 | 2.6 |
| KDS-M42 | M42、G1.1/4" | 42.4          | 49.9 | 49.9 | 3.5 |     |
| KDS-M48 | M48、G1.1/2" | 48.4          | 55.9 | 60.0 | 3.5 | 2.6 |

GDK钢垫

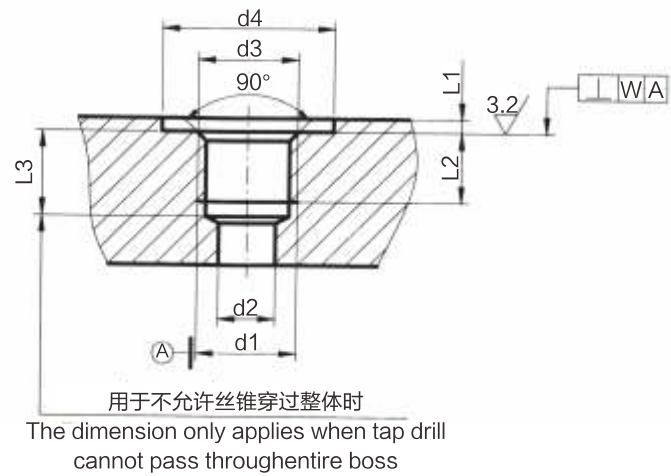


| 钢垫代号     | 螺纹         | 尺寸 DIMENSIONS |    |     |
|----------|------------|---------------|----|-----|
| PART NO. | THREAD     | D1            | D2 | D3  |
| GDK-B02  | G1/8"X28   | 9.8           | 14 | 2.5 |
| GDK-B04  | G1/4"X19   | 13.3          | 18 | 3.0 |
| GDK-B06  | G3/8"X19   | 16.8          | 22 | 2.0 |
| GDK-B08  | G1/2"X14   | 21.1          | 26 | 4.5 |
| GDK-B12  | G3/4"X14   | 26.6          | 32 | 3.5 |
| GDK-B16  | G1"X11     | 33.4          | 39 | 3.5 |
| GDK-B20  | G1.1/4"X11 | 42.1          | 49 | 3.5 |
| GDK-B24  | G1.1/2"X11 | 48.1          | 55 | 3.5 |

| 钢垫代号     | 螺纹      | 尺寸 DIMENSIONS |    |     |
|----------|---------|---------------|----|-----|
| PART NO. | THREAD  | D1            | D2 | D3  |
| GDK-M8   | M8X1    | 8.1           | 12 | 2.5 |
| GDK-M10  | M10X1   | 10.1          | 14 | 3.0 |
| GDK-M12  | M12X1.5 | 12.1          | 17 | 3.0 |
| GDK-M14  | M14X1.5 | 14.1          | 19 | 3.0 |
| GDK-M16  | M16X1.5 | 16.1          | 21 | 3.0 |
| GDK-M18  | M18X1.5 | 18.1          | 23 | 3.0 |
| GDK-M20  | M20X1.5 | 20.1          | 25 | 3.0 |
| GDK-M22  | N22X1.5 | 22.1          | 27 | 4.5 |
| GDK-M26  | M26X1.5 | 26.1          | 31 | 3.5 |
| GDK-M27  | M27X2   | 27.1          | 32 | 3.5 |
| GDK-M33  | M33X2   | 33.1          | 39 | 3.5 |
| GDK-M42  | M42X2   | 42.1          | 49 | 3.5 |
| GDK-M48  | M48X2   | 48.1          | 55 | 3.5 |

油口型式及尺寸  
 Port Dimensions

1、ISO9974-1公制螺纹油口及相配柱端  
 ISO9974-1 metric thread port and mating stud end

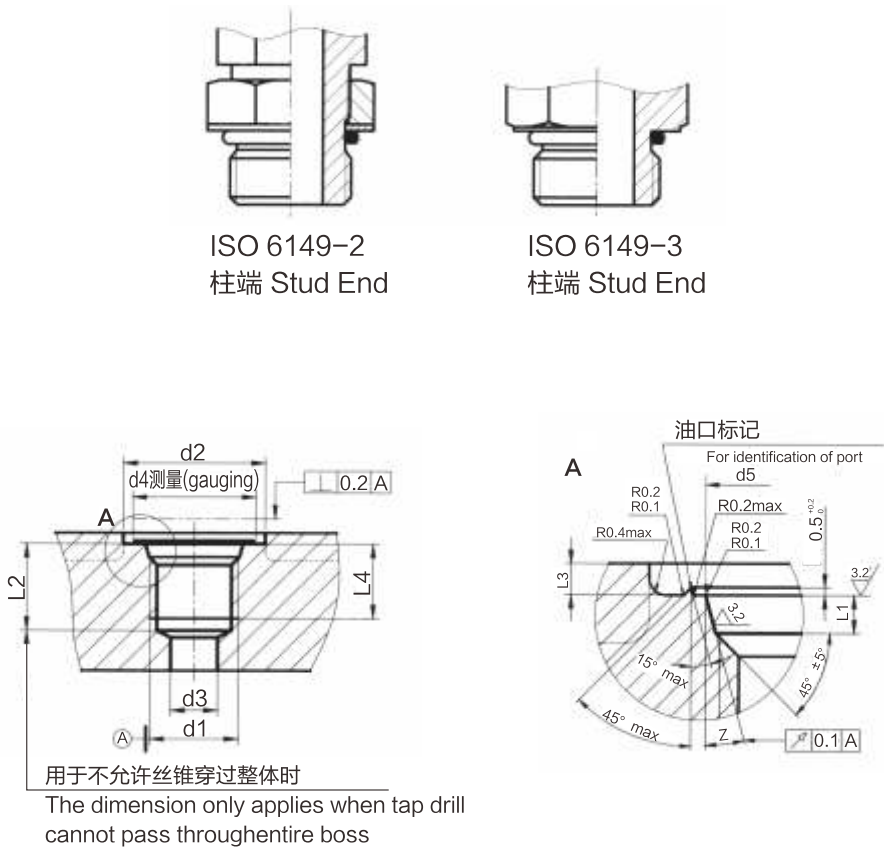


ISO 9974-1 油口 Port

油口尺寸 Port Dimensions mm

| d1<br>螺纹 Thread | d2<br>参考Ref. | d3     |        | d4<br>min. | L1<br>max. | L2<br>min. | L3<br>min. | W   |
|-----------------|--------------|--------|--------|------------|------------|------------|------------|-----|
|                 |              | 尺寸nom. | 公差tol. |            |            |            |            |     |
| M8X1            | 3            | 8      | 0,+0.2 | 13         | 1          | 8          | 10         | 0.1 |
| M10X1           | 4.5          | 10     | 0,+0.2 | 15         | 1          | 8          | 10         | 0.1 |
| M12X1.5         | 6            | 12     | 0,+0.2 | 18         | 1.5        | 12         | 15         | 0.1 |
| M14X1.5         | 7            | 14     | 0,+0.2 | 20         | 1.5        | 12         | 15         | 0.1 |
| M16X1.5         | 9            | 16     | 0,+0.2 | 23         | 1.5        | 12         | 15         | 0.1 |
| M18X1.5         | 11           | 18     | 0,+0.2 | 25         | 2          | 12         | 15         | 0.1 |
| M20X1.5         | 10           | 20     | 0,+0.2 | 27         | 2          | 14         | 17         | 0.1 |
| M22X1.5         | 14           | 22     | 0,+0.2 | 28         | 2.5        | 14         | 17         | 0.1 |
| M26X1.5         | 18           | 26     | 0,+0.2 | 33         | 2.5        | 16         | 19         | 0.2 |
| M27X2           | 16           | 27     | 0,+0.2 | 33         | 2.5        | 16         | 20         | 0.2 |
| M33X2           | 23           | 33     | 0,+0.3 | 41         | 2.5        | 18         | 22         | 0.2 |
| M42X2           | 30           | 42     | 0,+0.3 | 51         | 2.5        | 20         | 24         | 0.2 |
| M48X2           | 36           | 48     | 0,+0.3 | 56         | 2.5        | 22         | 36         | 0.2 |

2、ISO6149-1 公制螺纹油口及相配柱端  
 ISO6149-1 metric thread port and mating stud end



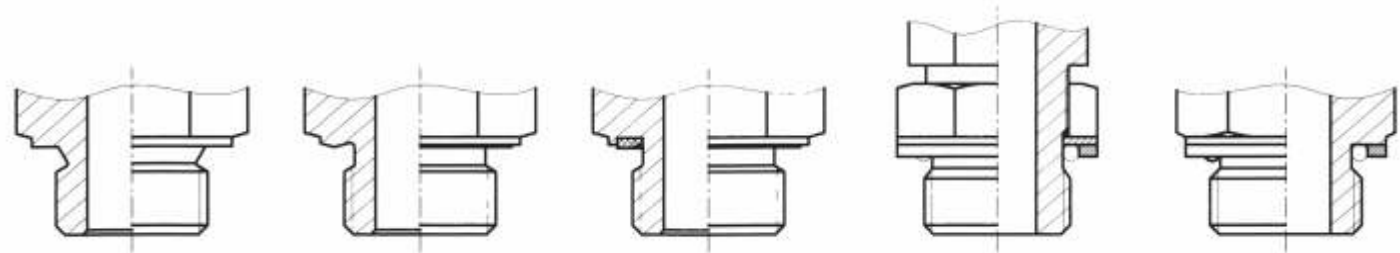
ISO 6149-1 油口 Port

油口尺寸 Port Dimensions mm

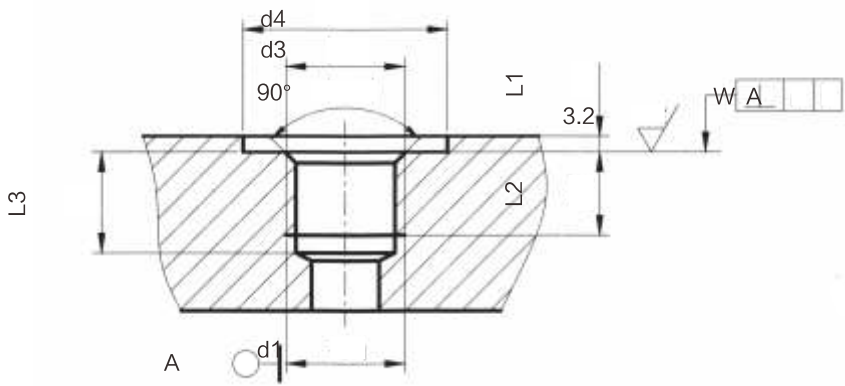
| d1<br>螺纹 Thread | d2                 |                    | d3<br>参考Ref. | d4   | d5 <sup>+0.1<br/>0</sup> | L1 <sup>+0.4<br/>0</sup> | L2<br>min. | L3<br>max. | L4<br>min. | Z° ±1° | O型圈<br>O-ring |
|-----------------|--------------------|--------------------|--------------|------|--------------------------|--------------------------|------------|------------|------------|--------|---------------|
|                 | min. <sup>1)</sup> | min. <sup>2)</sup> |              |      |                          |                          |            |            |            |        |               |
| M8X1            | 17                 | 14                 | 3            | 12.5 | 9.1                      | 1.6                      | 11.5       | 1          | 10         | 12     | 6.1X1.6       |
| M10X1           | 20                 | 16                 | 4.5          | 14.5 | 11.1                     | 1.6                      | 11.5       | 1          | 10         | 12     | 8.1X1.6       |
| M12X1.5         | 23                 | 19                 | 6            | 17.5 | 13.8                     | 2.4                      | 14         | 1.5        | 11.5       | 15     | 9.3X2.2       |
| M14X1.5         | 25                 | 21                 | 7.5          | 19.5 | 15.8                     | 2.4                      | 14         | 1.5        | 11.5       | 15     | 11.3X2.2      |
| M16X1.5         | 28                 | 24                 | 9            | 22.5 | 17.8                     | 2.4                      | 15.5       | 1.5        | 13         | 15     | 13.3X2.2      |
| M18X1.5         | 30                 | 26                 | 11           | 24.5 | 19.8                     | 2.4                      | 17         | 2          | 14.5       | 15     | 15.3X2.2      |
| M20X1.5         | 32                 | 27                 | ---          | 25.5 | 21.8                     | 2.4                      | ---        | 2          | 14.5       | 15     | 17.3X2.2      |
| M22X1.5         | 34                 | 29                 | 14           | 27.5 | 23.8                     | 2.4                      | 18         | 2          | 14.5       | 15     | 19.3X2.2      |
| M27X2           | 40                 | 34                 | 18           | 32.5 | 29.4                     | 3.1                      | 22         | 2          | 19         | 15     | 23.6X2.9      |
| M33X2           | 49                 | 43                 | 23           | 41.5 | 35.4                     | 3.1                      | 22         | 2.5        | 19         | 15     | 29.6X2.9      |
| M42X2           | 60                 | 52                 | 30           | 50.5 | 44.4                     | 3.1                      | 22.5       | 2.5        | 19.5       | 15     | 38.6X2.9      |
| M48X2           | 66                 | 57                 | 36           | 55.5 | 50.4                     | 3.1                      | 25         | 2.5        | 22         | 15     | 44.6X2.9      |
| M60X2           | 76                 | 67                 | 44           | 65.5 | 62.4                     | 3.1                      | 27.5       | 2.5        | 24.5       | 15     | 56.6X2.9      |

油口型式及尺寸  
 Port Dimensions

3、DIN 3582英管螺纹油口及相配柱端  
 DIN 3582 BSP thread port and mating stud end



DIN 3582 A型柱端      DIN 3582 B型柱端      DIN 3582 E型柱端      O型圈密封      O型圈密封  
 DIN 3582 Type A      DIN 3582 Type B      DIN 3582 Type E      O-ring Seal      O-ring Seal

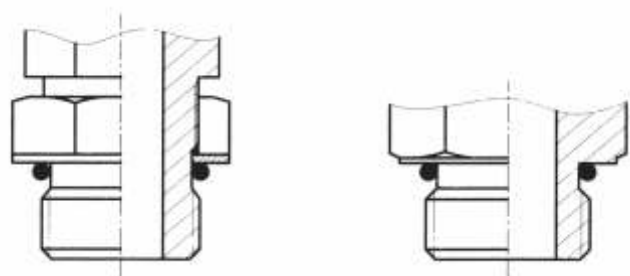


DIN 3582 油口 Port

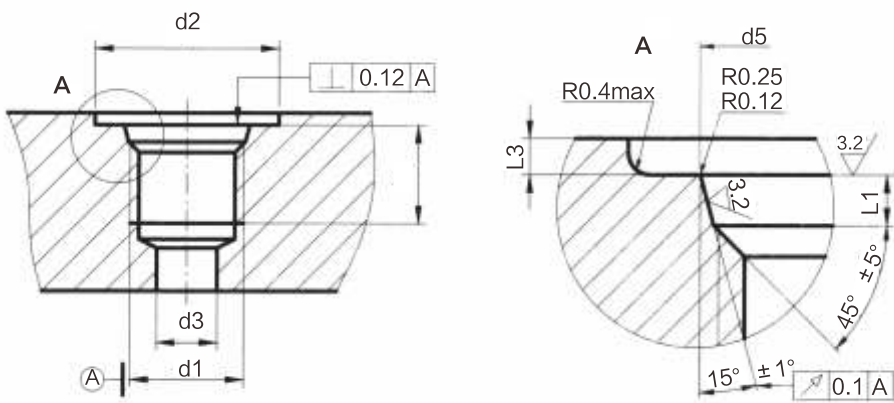
油口尺寸 Port Dimensions mm

| d1<br>螺纹 Thread | d3     |        | d4                 |              | L1<br>max. | L2<br>min. | L3<br>min. | W   |
|-----------------|--------|--------|--------------------|--------------|------------|------------|------------|-----|
|                 | 尺寸nom. | 公差tol. | B、E型柱端<br>Type B、E | 其它<br>Others |            |            |            |     |
| G1/8"X28        | 9.8    | 0,+0.2 | 15                 | 19           | 1          | 8          | 13         | 0.1 |
| G1/4"X19        | 13.2   | 0,+0.2 | 19                 | 25           | 1.5        | 12         | 18.5       | 0.1 |
| G3/8"X19        | 16.7   | 0,+0.2 | 23                 | 28           | 2          | 12         | 18.5       | 0.1 |
| G1/2"X14        | 21     | 0,+0.2 | 27                 | 34           | 2.5        | 14         | 22         | 0.1 |
| G3/4"X14        | 26.5   | 0,+0.2 | 33                 | 42           | 2.5        | 16         | 24         | 0.2 |
| G1"X11          | 33.3   | 0,+0.3 | 40                 | 47           | 2.5        | 18         | 27         | 0.2 |
| G1.1/4"X11      | 42     | 0,+0.3 | 50                 | 58           | 2.5        | 20         | 29         | 0.2 |
| G1.1/2"X11      | 47.9   | 0,+0.3 | 56                 | 65           | 2.5        | 22         | 31         | 0.2 |
| G2"X11          | 59.7   | 0,+0.3 | 69                 | 76           | 3          | 24         | 33         | 0.2 |

4、BS5380英管螺纹油口及相配柱端  
 BS5380 BSP thread port and mating stud end



BS 5380 柱端    BS 5380 stud end



BS 5380 油口 Port

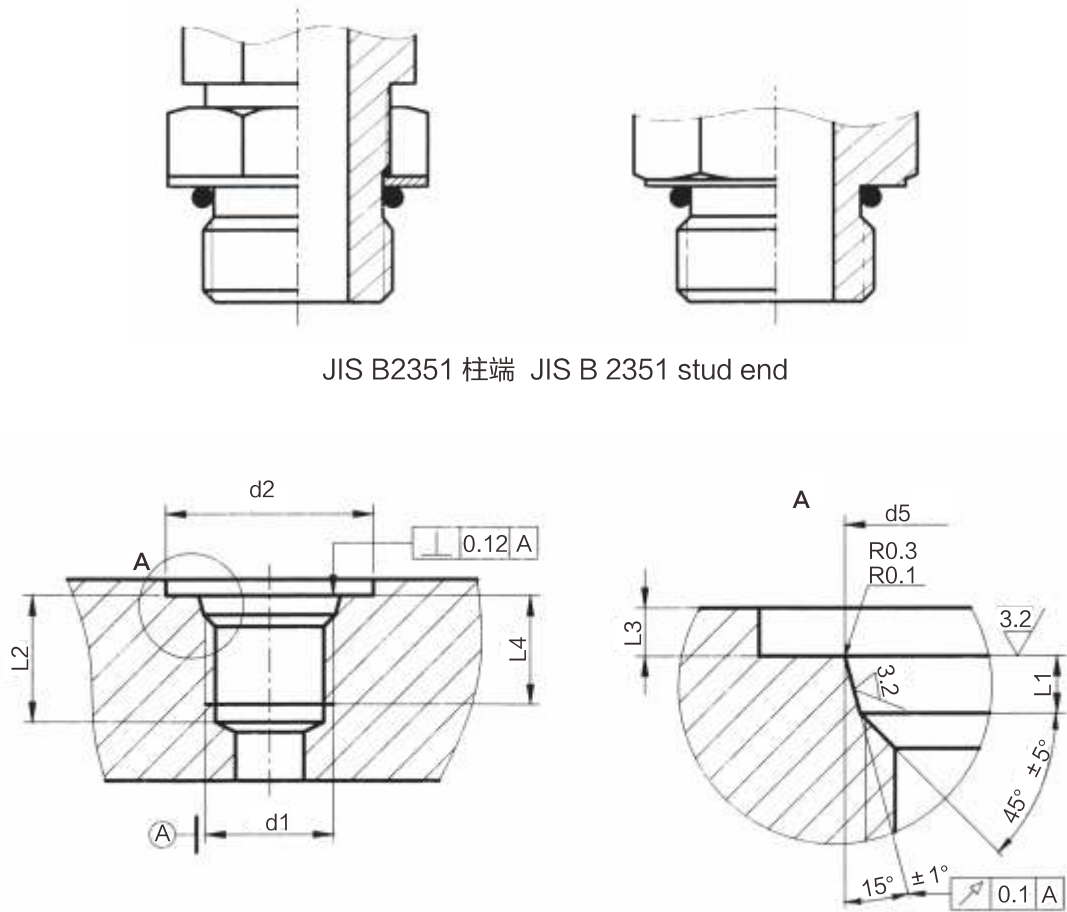
油口尺寸 Port Dimensions mm

| d1<br>螺纹 Thread | d2<br>max. | d3<br>max. | d5 <sup>+0.12<br/>0</sup> | L1 <sup>+0.04<br/>0</sup> | L3<br>max. | L4<br>min. | O型圈<br>O-ring |
|-----------------|------------|------------|---------------------------|---------------------------|------------|------------|---------------|
| G1/8"X28        | 15         | 14         | 11.24                     | 1.3                       | 0.6        | 10.5       | 8.1X1.6       |
| G1/4"X19        | 19         | 18         | 14.16                     | 1.2                       | 0.6        | 11         | 10.1X1.6      |
| G3/8"X19        | 23         | 22         | 18.86                     | 1.9                       | 0.6        | 12.5       | 13.6X2.4      |
| G1/2"X14        | 27         | 26         | 22.40                     | 1.9                       | 0.8        | 15         | 17.6X2.4      |
| G5/8"X14        | 31         | 30         | 26.00                     | 2.4                       | 0.8        | 16.3       | 19.5X3.0      |
| G3/4"X14        | 33         | 32         | 28.92                     | 2.4                       | 1.1        | 16.3       | 22.5X3.0      |
| G1"X11          | 40         | 39         | 35.50                     | 2.4                       | 1.1        | 19.1       | 29.5X3.0      |
| G1.1/4"X11      | 50         | 49         | 43.56                     | 2.4                       | 1.1        | 21.4       | 36.5X3.0      |
| G1.1/2"X11      | 56         | 55         | 49.42                     | 2.4                       | 1.1        | 22.5       | 42.5X3.0      |
| G2"X11          | 69         | 68         | 61.42                     | 2.4                       | 1.1        | 25.7       | 54.5X3.0      |



油口型式及尺寸  
 Port Dimensions

5、JIS B 2351英管螺纹油口及相配柱端  
 JIS B 2351 BSP thread port and mating stud end



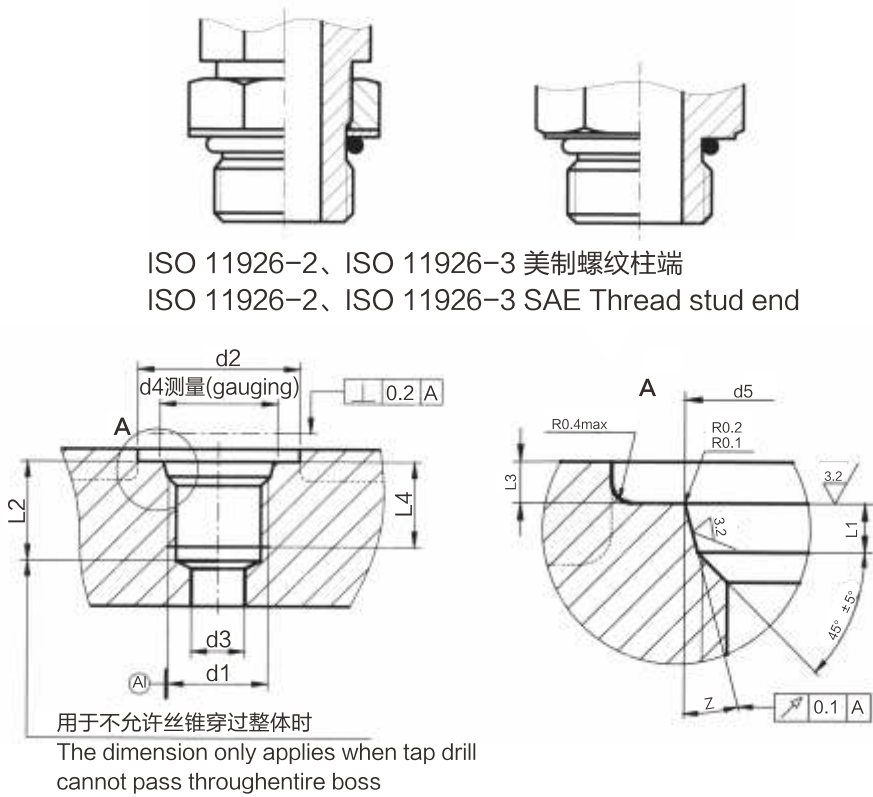
JIS B2351 柱端 JIS B 2351 stud end

JIS B 2351 油口 Port

油口尺寸 Port Dimensions mm

| d1<br>螺纹 Thread | d2 ± 0.3 | d5 <sup>+0.1<br/>0</sup> | L1 <sup>+0.4<br/>0</sup> | L2<br>min. | L3<br>max. | L4<br>min. | O型圈<br>O-ring |
|-----------------|----------|--------------------------|--------------------------|------------|------------|------------|---------------|
| G1/8"X28        | 18       | 11.6                     | 2                        | 15         | 1          | 10         | 7.8X1.9       |
| G1/4"X19        | 24       | 15.6                     | 2.5                      | 18         | 1.5        | 12         | 10.8X2.4      |
| G3/8"X19        | 28       | 18.6                     | 2.5                      | 18         | 2          | 12         | 13.8X2.4      |
| G1/2"X14        | 34       | 22.6                     | 2.5                      | 24         | 2.5        | 16         | 17.8X2.4      |
| G3/4"X14        | 45       | 29.8                     | 3.5                      | 25         | 2.5        | 17         | 23.7X3.5      |
| G1"X11          | 51       | 35.8                     | 3.5                      | 30         | 2.5        | 21         | 28.7X3.5      |
| G1.1/4"X11      | 62       | 44.8                     | 3.5                      | 30         | 2.5        | 21.4       | 37.7X3.5      |
| G1.1/2"X11      | 68       | 50.8                     | 3.5                      | 30         | 2.5        | 21.4       | 43.7X3.5      |

6、ISO11926-1 美制螺纹油口及相配柱端  
 ISO11926-1 SAE thread port and mating stud end



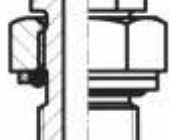
ISO 11926-2、ISO 11926-3 美制螺纹柱端  
ISO 11926-2、ISO 11926-3 SAE Thread stud end

ISO11926-1 美制螺纹油口  
ISO11926-1 SAE thread port

油口尺寸 Port Dimensions mm

| d1<br>螺纹 Thread | d2<br>max. | d2<br>参考Ref. | d4<br>min. | d5 ± 0.05 | L1 <sup>+0.04<br/>0</sup> | L2<br>min. | L3<br>max. | L4<br>min. | Z° ±1° | O型圈<br>O-ring |
|-----------------|------------|--------------|------------|-----------|---------------------------|------------|------------|------------|--------|---------------|
| 5/16"X24        | 17         | 2.5          | 11         | 9.15      | 1.9                       | 12         | 1.6        | 10         | 12     | 6.07X1.63     |
| 3/8"X24         | 19         | 3.5          | 13         | 10.75     | 1.9                       | 12         | 1.6        | 10         | 12     | 7.65X1.63     |
| 7/16"X20        | 21         | 4.5          | 15         | 12.45     | 2.4                       | 14         | 1.6        | 11.5       | 12     | 9.17X1.83     |
| 1/2"X20         | 23         | 6            | 16         | 14.05     | 2.4                       | 14         | 1.6        | 11.5       | 12     | 10.52X1.83    |
| 9/16"X18        | 25         | 7.5          | 18         | 15.70     | 2.5                       | 15.5       | 1.6        | 12.7       | 12     | 11.89X1.98    |
| 3/4"X16         | 30         | 10           | 22         | 20.65     | 2.5                       | 17.5       | 2.4        | 14.3       | 15     | 16.36X2.21    |
| 7/8"X14         | 34         | 12.5         | 26         | 24        | 2.5                       | 20         | 2.4        | 16.7       | 15     | 19.18X2.46    |
| 1.1/16"X12      | 41         | 16           | 32         | 29.2      | 3.3                       | 23         | 2.4        | 19         | 15     | 23.47X2.95    |
| 1.3/16"X12      | 45         | 18           | 35         | 32.4      | 3.3                       | 23         | 2.4        | 19         | 15     | 26.62X2.95    |
| 1.5/16"X12      | 49         | 21           | 38         | 35.55     | 3.3                       | 23         | 3.2        | 19         | 15     | 29.74X2.95    |
| 1.5/8"X12       | 58         | 27           | 48         | 43.55     | 3.3                       | 23         | 3.2        | 19         | 15     | 37.46X3.00    |
| 1.7/8"X12       | 65         | 33           | 54         | 49.9      | 3.3                       | 23         | 3.2        | 19         | 15     | 43.69X3.00    |
| 2.1/2"X12       | 88         | 45           | 70         | 65.75     | 3.3                       | 23         | 3.2        | 19         | 15     | 59.36X3.00    |

过渡接头油口端扭矩表  
 Adaptor port torque recommended

| <div>      </div> <div> <div>DIN 3852<br/>A型柱端<br/>A Type End</div> <div>DIN 3852<br/>B型柱端<br/>B Type End</div> <div>DIN 3852<br/>E型柱端<br/>E Type End</div> <div>O型圈密封, F型柱端<br/>O-ring Seal<br/>F Type End</div> <div>调向接头<br/>Adjustable<br/>Stud End</div> </div> |                  |              |        |     |     |     |                      |                                    |                                |                      |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------|-----|-----|-----|----------------------|------------------------------------|--------------------------------|----------------------|----------------|
| 扭矩单位: N.M <sup>+10%</sup> <sub>0</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |              |        |     |     |     |                      |                                    |                                |                      |                |
| 系列<br>SERIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 管子外径<br>TUBE O.D | 螺纹<br>THREAD | 端直通管接头 |     |     |     | 铰接式 KDS<br>BANJO KDS | 铰接式(组合垫)<br>BANJO<br>(BONDED SEAL) | 调向接头<br>ADJUSTABLE<br>STUD END | ED堵头PLUG<br>(4MN-WD) | 堵头PLUG<br>(4H) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |              | A型     | B型  | E型  | F型  |                      |                                    |                                |                      |                |
| L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                | M10X1        | 9      | 18  | 18  | 15  | 15                   | 9                                  | 15                             | 112                  | 15             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                | M12X1.5      | 20     | 30  | 25  | 25  | 25                   | 20                                 | 25                             | 25                   | 25             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10               | M14X1.5      | 35     | 45  | 45  | 35  | 35                   | 35                                 | 35                             | 35                   | 35             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12               | M16X1.5      | 45     | 65  | 55  | 40  | 40                   | 45                                 | 40                             | 55                   | 40             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15               | M18X1.5      | 55     | 80  | 70  | 45  | 45                   | 55                                 | 45                             | 65                   | 45             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18               | M22X1.5      | 65     | 140 | 125 | 60  | 60                   | 65                                 | 60                             | 90                   | 60             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 22               | M27X2        | 90     | 190 | 180 | 100 | 100                  | 90                                 | 100                            | 135                  | 100            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28               | M33X2        | 150    | 340 | 310 | 160 | 160                  | 150                                | 160                            | 225                  | 150            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 35               | M42X2        | 240    | 500 | 450 | 210 | 210                  | 240                                | 210                            | 360                  | 210            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 42               | M48X2        | 290    | 630 | 540 | 260 | 260                  | 290                                | 260                            | 360                  | 260            |
| S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                | M12X1.5      | 20     | 35  | 35  | 35  | 35                   | 20                                 | 35                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                | M14X1.5      | 35     | 55  | 55  | 45  | 45                   | 35                                 | 45                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10               | M16X1.5      | 45     | 70  | 70  | 55  | 55                   | 45                                 | 55                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12               | M18X1.5      | 55     | 110 | 90  | 70  | 70                   | 55                                 | 70                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14               | M20X1.5      | 60     | 150 | 125 | 80  | 80                   | 60                                 | 80                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16               | M22X1.5      | 65     | 170 | 135 | 100 | 100                  | 65                                 | 100                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20               | M27X2        | 90     | 270 | 180 | 170 | 170                  | 90                                 | 170                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25               | M33X2        | 150    | 410 | 310 | 310 | 310                  | 150                                | 310                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30               | M42X2        | 240    | 540 | 450 | 330 | 330                  | 240                                | 330                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 38               | M48X2        | 290    | 700 | 540 | 420 | 420                  | 290                                | 420                            |                      |                |
| 系列<br>SERIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 管子外径<br>TUBE O.D | 螺纹<br>THREAD | 端直通管接头 |     |     |     | 铰接式 KDS<br>BANJO KDS | 铰接式(组合垫)<br>BANJO<br>(BONDED SEAL) | 调向接头<br>ADJUSTABLE<br>STUD END | ED堵头PLUG<br>(4BN-WD) | 堵头PLUG<br>(4G) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |              | A型     | B型  | E型  | F型  |                      |                                    |                                |                      |                |
| L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                | G1/8"        | 9      | 18  | 18  | 15  | 15                   | 9                                  | 15                             | 13                   | 12             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                | G1/4"        | 35     | 35  | 35  | 25  | 25                   | 35                                 | 25                             | 30                   | 35             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10               | G1/4"        | 35     | 35  | 35  | 35  | 35                   | 35                                 | 35                             | 30                   | 35             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12               | G3/8"        | 45     | 70  | 70  | 40  | 40                   | 45                                 | 40                             | 60                   | 45             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15               | G1/2"        | 65     | 140 | 90  | 80  | 80                   | 65                                 | 80                             | 80                   | 65             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 18               | G1/2"        | 65     | 140 | 90  | 80  | 80                   | 65                                 | 80                             | 80                   | 65             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 22               | G3/4"        | 90     | 180 | 180 | 120 | 120                  | 90                                 | 120                            | 140                  | 120            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28               | G1"          | 150    | 330 | 310 | 160 | 160                  | 150                                | 160                            | 200                  | 170            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 35               | G1¼"         | 240    | 540 | 450 | 210 | 210                  | 240                                | 210                            | 450                  | 240            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 42               | G1½"         | 290    | 630 | 540 | 260 | 260                  | 290                                | 260                            | 450                  | 290            |
| S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                | G1/4"        | 35     | 55  | 55  | 35  | 35                   | 35                                 | 35                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                | G1/4"        | 35     | 55  | 55  | 35  | 35                   | 35                                 | 35                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10               | G3/8"        | 45     | 90  | 80  | 70  | 70                   | 45                                 | 70                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12               | G3/8"        | 45     | 90  | 80  | 70  | 70                   | 45                                 | 70                             |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14               | G1/2"        | 65     | 150 | 115 | 110 | 110                  | 65                                 | 110                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16               | G1/2"        | 65     | 150 | 115 | 110 | 110                  | 65                                 | 110                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20               | G3/4"        | 90     | 270 | 180 | 170 | 170                  | 90                                 | 170                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 25               | G1"          | 150    | 340 | 310 | 330 | 330                  | 150                                | 330                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30               | G1¼"         | 240    | 540 | 450 | 350 | 350                  | 240                                | 350                            |                      |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 38               | G1½"         | 290    | 700 | 540 | 450 | 450                  | 290                                | 450                            |                      |                |

软管接头螺纹扭矩建议表  
 Hose fitting thread torque recommended

24° 锥公制旋转螺母  
 Metric Thread

| 公制螺纹<br>THREAD | 管子外径<br>TUBE O.D. | 安装扭矩 (牛.米) n.m        |         |
|----------------|-------------------|-----------------------|---------|
|                |                   | 名义扭矩值<br>TORQUE VALUE | min-max |
| M12X1.5        | 06L               | 16                    | 15-17   |
| M14X1.5        | 08L               | 16                    | 15-17   |
| M16X1.5        | 10L               | 26                    | 25-28   |
| M18X1.5        | 12L               | 37                    | 35-39   |
| M22X1.5        | 15L               | 47                    | 45-50   |
| M26X1.5        | 18L               | 89                    | 85-94   |
| M30X2          | 22L               | 116                   | 110-121 |
| M36X2          | 28L               | 137                   | 130-143 |
| M45X2          | 35L               | 226                   | 215-237 |
| M52X2          | 42L               | 347                   | 330-363 |
| M14X1.5        | 06S               | 26                    | 25-28   |
| M16X1.5        | 08S               | 42                    | 40-44   |
| M18X1.5        | 10S               | 53                    | 50-55   |
| M20X1.5        | 12S               | 63                    | 60-66   |
| M22X1.5        | 14S               | 79                    | 75-83   |
| M24X1.5        | 16S               | 84                    | 80-88   |
| M30X2          | 20S               | 126                   | 120-132 |
| M36X2          | 25S               | 179                   | 170-187 |
| M42X2          | 30S               | 263                   | 250-275 |
| M52X2          | 38S               | 368                   | 350-385 |

英管螺纹 BSP Thread

| 螺纹 Thread  | 安装扭矩 (牛.米) n.m |
|------------|----------------|
| G1/8"X28   | 9-12           |
| G1/4"X19   | 15-24          |
| G3/8"X19   | 26-38          |
| G1/2"X14   | 41-49          |
| G5/8"X14   | 50-60          |
| G3/4"X14   | 68-81          |
| G1"X11     | 107-129        |
| G1.14"X11  | 172-206        |
| G1.1/2"X11 | 226-258        |
| G2"X11     | 355-426        |

美制JIC螺纹 JIC Thread

| 螺纹 Thread  | 安装扭矩 (牛.米) n.m |
|------------|----------------|
| 7/16"X20   | 13-15          |
| 1/2"X20    | 18-20          |
| 9/16"X18   | 23-26          |
| 3/4"X16    | 47-52          |
| 7/8"X14    | 69-76          |
| 1.1/16"X12 | 96-106         |
| 1.3/16"X12 | 108-125        |
| 1.5/16"X12 | 127-141        |
| 1.5/8"X12  | 169-188        |
| 1.7/8"X12  | 212-235        |
| 2.1/2"X12  | 296-329        |

美制ORFS螺纹 ORFS Thread

| 螺纹 Thread   | 安装扭矩 (牛.米) n.m |
|-------------|----------------|
| 9/16"X18    | 14-16          |
| 11/16"X16   | 24-27          |
| 13/16"X16   | 43-54          |
| 1"X14       | 60-75          |
| 1.3/16"X12  | 90-110         |
| 1.7/16"X12  | 125-140        |
| 1.11/16"X12 | 170-190        |
| 2"X12       | 200-245        |



单位换算表

Conversion Factor

| 性质 | 单位       | 基本单位            | 转换单位            | 转换系数       |
|----|----------|-----------------|-----------------|------------|
| 长度 | 英寸       | in              | mm              | 25.4       |
|    | 毫米       | mm              | in              | 0.03934    |
|    | 英尺       | ft              | m               | 0.3048     |
|    | 米        | m               | ft              | 3.28084    |
| 面积 | 平方英寸     | sq in           | cm <sup>2</sup> | 6.4516     |
|    | 立方厘米     | cm <sup>2</sup> | sq in           | 0.155      |
| 容积 | 加仑（英）    | gal             | l               | 4.54596    |
|    | 升        | l               | gal(UK)         | 0.219976   |
|    | 加仑（美）    | gal             | l               | 3.78533    |
|    | 升        | l               | gal(US)         | 0.264177   |
| 重量 | 磅        | lb              | kg              | 0.453592   |
|    | 千克       | g               | lb              | 2.204622   |
| 力矩 | 磅英寸      | lb/ft           | kg/m            | 1.488164   |
|    | 牛米       | kg/m            | lb/ft           | 0.671969   |
| 压力 | 磅每立方英寸   | psi             | bar             | 0.06895    |
|    | 巴        | bar             | psi             | 14.5035    |
|    | 磅每立方英寸   | psi             | Mpa             | 0.006895   |
|    | 兆帕       | Mpa             | psi             | 145.035    |
|    | 千帕       | kPa             | bar             | 0.01       |
|    | 巴        | bar             | kPa             | 100        |
|    | 兆帕       | Mpa             | bar             | 10         |
|    | 巴        | bar             | Mpa             | 0.1        |
| 速度 | 英尺每秒     | ft/s            | m/s             | 0.3048     |
|    | 米每秒      | m/s             | ft/s            | 3.280840   |
| 流量 | 加仑每分钟    | gal/min         | l/min.          | 4.54596    |
|    | 升每分钟     | l/min.          | gal/min.(UK)    | 0.219976   |
|    | 加仑每分钟（美） | gal/min.        | l/min.          | 3.78533    |
|    | 升每分钟     | L/min.          | gal/min.(US)    | 0.264178   |
| 温度 | 华氏度      | ℉               | ℃               | (9/5℃+32)  |
|    | 摄氏度      | ℃               | ℉               | (℉-32)/5/9 |

(UK)英国单位  
(US)美国单位

型号索引

Part Part NO.Index

过渡接头型号索引

ADAPTER Part NO.Indexx

| 型号 Part NO . | 页码Page | 型号 Part NO . | 页码Page | 型号 Part NO . | 页码Page | 型号 Part NO . | 页码Page |
|--------------|--------|--------------|--------|--------------|--------|--------------|--------|
| H1B          | 86     | H1D9         | 23     | H1FN9        | 146    | H1QT9-SP     | 77     |
| H1B4         | 87     | H1DB         | 30     | H1FO         | 146    | H1QT-SP      | 77     |
| H1B9         | 87     | H1DB-WD      | 32     | H1FO9-OG     | 147    | H1S          | 85     |
| H1BG         | 90     | H1DFG        | 58     | H1FSW        | 159    | H1HT4-SP     | 85     |
| H1BG4-OG     | 90     | H1DFG9       | 58     | H1FSW9-W     | 161    | H1HT9-SP     | 86     |
| H1BG9-OG     | 91     | H1DFL        | 56     | H1FSW-PM     | 160    | H1HT-SP      | 85     |
| H1BH         | 101    | H1DFL9       | 57     | H1J          | 117    | H1T9-SP      | 112    |
| H1BH4-OG     | 101    | H1DFS        | 56     | H1J4         | 117    | H1T-SP       | 111    |
| H1BH9-OG     | 102    | H1DFS9       | 57     | H1J9         | 118    | H1Y          | 167    |
| H1BJ         | 104    | H1DG         | 35-36  | H1JB-WD      | 132    | H2B          | 88     |
| H1BJ9        | 105    | H1DG4-OG     | 44     | H1JFL        | 123    | H2B4         | 88     |
| H1BM         | 103    | H1DG9-OG     | 44     | H1JFL9       | 123    | H2B9         | 89     |
| H1BN         | 106    | H1DH         | 37     | H1JFS        | 124    | H2BC-WDW     | 43     |
| H1BN9        | 107    | H1DH4-OG     | 45     | H1JFS9       | 124    | H2BD-WDW     | 43     |
| H1BO         | 100    | H1DH9-OG     | 45     | H1JG         | 134    | H2BJ         | 105    |
| H1BT4-SP     | 93     | H1DI-B-GDK   | 60     | H1JG4-OG     | 135    | H2BJ-WD      | 106    |
| H1BT9-SP     | 94     | H1DI-B-KDS   | 60     | H1JG9-OG     | 135    | H2C4-W       | 27     |
| H1BT-SP      | 92     | H1DI-GDK     | 59     | H1JH         | 133    | H2C9-W       | 27     |
| H1BW         | 99     | H1DI-KDS     | 59     | H1JH4-OG     | 133    | H2C-W        | 26     |
| H1B-WD       | 91     | H1DM         | 33     | H1JH9-OG     | 134    | H2D4-W       | 27     |
| H1C          | 23     | H1DM-WD      | 34     | H1JM-WD      | 136    | H2D9-W       | 27     |
| H1C9         | 23     | H1DN         | 43     | H1JN         | 125    | H2D-W        | 26     |
| H1CB         | 30     | H1DN9        | 53     | H1JN4        | 126    | H2E9         | 68     |
| H1CB-WD      | 31     | H1DO         | 38     | H1JN9        | 127    | H2F          | 142    |
| H1CFG        | 58     | H1DO4-OG     | 46     | H1JN9-L      | 128    | H2F9         | 142    |
| H1CFG9       | 58     | H1DO9-OG     | 47     | H1JN9-LL     | 128    | H2GC-W       | 42     |
| H1CFL        | 56     | H1DT9-SP     | 52     | H1JO         | 129    | H2GD-W       | 42     |
| H1CFL9       | 57     | H1DW         | 54     | H1JO4-OG     | 130    | H2HC-W       | 41     |
| H1CG         | 35     | H1D-Y        | 24     | H1JO9-OG     | 131    | H2HD-W       | 41     |
| H1CG4-OG     | 44     | H1E          | 63     | H1JT9-SP     | 137    | H2NJ         | 138    |
| H1CG9-OG     | 44     | H1E9         | 63     | H1JT-SP      | 136    | H2J          | 118    |
| H1CH         | 37     | H1EH         | 64     | H1K          | 81     | H2J9         | 119    |
| H1CH4-OG     | 45     | H1EH4-OG     | 64     | H1KG         | 81     | H2MC-WDW     | 41     |
| H1CH9-OG     | 45     | H1EH9-OG     | 65     | H1KG9-OG     | 81     | H2MD-WDW     | 41     |
| H1CI-B-GDK   | 60     | H1EL         | 65     | H1KH         | 82     | H2MJ-WD      | 137    |
| H1CI-B-KDS   | 60     | H1EN         | 66     | H1KH9-OG     | 82     | H2NB         | 107    |
| H1CI-GDK     | 59     | H1ET-SP      | 67     | H1KT-SP      | 83     | H2NB9        | 108    |
| H1CI-KDS     | 59     | H1EW         | 67     | H1N          | 153    | H2NU         | 157    |
| H1CM         | 33     | H1EW9        | 68     | H1N9         | 153    | H2NU9        | 157    |
| H1CM-WD      | 34     | H1F          | 141    | H1Q          | 71     | H2OJ         | 139    |
| H1CN         | 39-40  | H1F9         | 141    | H1QG         | 72     | H2Q9         | 78     |
| H1CN9        | 53     | H1FB-WD      | 149    | H1QG9-OG     | 72     | H2TB9-SP     | 109    |
| H1CO         | 38     | H1FG9-OG     | 150    | H1QH         | 73     | H2TB-SP      | 108    |
| H1CO4-OG     | 46     | H1FH         | 148    | H1QH9-OG     | 73     | H2TJ         | 138    |
| H1CO9-OG     | 47     | H1FH9-OG     | 148    | H1QL         | 74     | H2WB         | 99     |
| H1CT9-SP     | 52     | H1FLW        | 159    | H1QN         | 74     | H2WC         | 55     |
| H1CT-SP      | 39     | H1FLW9-W     | 161    | H1QN4        | 75     | H2WD         | 55     |
| H1CW         | 54     | H1FLW-PM     | 160    | H1QN9        | 75     | H2WE         | 69     |
| H1C-Y        | 24     | H1FM-WD      | 147    | H1QO         | 76     | H3B          | 89     |
| H1D          | 23     | H1FN         | 145    | H1QO9-OG     | 76     | H3C-W        | 28     |

## 型号索引

Part Part NO.Index

### 过渡接头型号索引 ADAPTER Part NO.Index

| 型号 Part NO . | 页码Page |
|--------------|--------|
| H3D-W        | 28     |
| H3J          | 120    |
| H4B          | 115    |
| H4BN         | 116    |
| H4BN-WD      | 116    |
| H4B-WD       | 116    |
| H4C          | 61     |
| H4D          | 61     |
| H4E          | 69     |
| H4F          | 144    |
| H4G          | 115    |
| H4H          | 84     |
| H4J          | 121    |
| H4K          | 83     |
| H4L          | 84     |
| H4MN-WD      | 84     |
| H4N          | 154    |
| H4O          | 158    |
| H4Q          | 78     |
| H4T-HP       | 112    |
| H5B          | 95     |
| H5BN         | 96     |
| H5BT         | 96     |
| H5B-WD       | 95     |
| H5FLW9       | 162    |
| H5GB         | 96     |
| H5GT         | 112    |
| H5N          | 155    |
| H5N9         | 155    |
| H5T9-SP      | 113    |
| H5T-SP       | 113    |
| H6B9-LN      | 97     |
| H6B-LN       | 97     |
| H6C9-LN      | 26     |
| H6C-LN       | 25     |
| H6D9-LN      | 26     |
| H6D-LN       | 25     |
| H6F9-LN      | 145    |
| H6F-LN       | 144    |
| H6J4-LN      | 122    |
| H6J9-LN      | 122    |
| H6J-LN       | 122    |
| H6Q9-LN      | 79     |
| H6Q-LN       | 79     |
| H7B          | 98     |
| H7B9         | 98     |
| H7N          | 156    |

| 型号 Part NO . | 页码Page |
|--------------|--------|
| H7N9         | 156    |
| H7T          | 114    |
| H7T9         | 114    |
| H9B          | 111    |
| H9C          | 61     |
| H9D          | 61     |
| H9E          | 69     |
| H9F          | 144    |
| H9J          | 121    |
| H9J-CAP      | 121    |
| HAB          | 109    |
| HABBG-OG     | 110    |
| HABGB-OG     | 111    |
| HAC          | 24     |
| HACCG-OG     | 49     |
| HACCH-OG     | 48     |
| HACCO-OG     | 49     |
| HACGC-OG     | 50     |
| HACHC-OG     | 50     |
| HACOC-OG     | 51     |
| HAD          | 24     |
| HADDG-OG     | 49     |
| HADDH-OG     | 48     |
| HADDO-OG     | 49     |
| HADGD-OG     | 50     |
| HADHD-OG     | 50     |
| HADOD-OG     | 51     |
| HAE          | 70     |
| HAF          | 143    |
| HAF6FF-LN    | 152    |
| HAFFG-OG     | 152    |
| HAFFH-OG     | 150    |
| HAFFO-OG     | 151    |
| HAFOF-OG     | 151    |
| HAJ          | 119    |
| HAJ6JJ-LN    | 139    |
| HAJJ6J-LN    | 140    |
| HAJJO-OG     | 140    |
| HAJOJ-OG     | 140    |
| HAK          | 83     |
| HAN          | 154    |
| HAQ          | 80     |
| HAQHQ-OG     | 80     |
| HAQQH-OG     | 80     |
| HBB          | 110    |
| HBC-W        | 28     |
| HBD-W        | 28     |

| 型号 Part NO . | 页码Page |
|--------------|--------|
| HBE          | 70     |
| HBF          | 143    |
| HBJ          | 120    |
| HCB          | 110    |
| HCC-W        | 29     |
| HCD-W        | 29     |
| HCE          | 70     |
| HCF          | 143    |
| HCJ          | 120    |
| HFH          | 165    |
| HFL          | 163    |
| HFL-W        | 166    |
| HFS          | 164    |
| HFS-W        | 167    |
| HGB          | 99     |
| HGN          | 157    |
| HGT          | 114    |
| HNL          | 62     |
| HNS          | 62     |
| HXC          | 25     |
| HXD          | 25     |
| HXE          | 71     |
| HXF          | 152    |
| HZT          | 115    |

### 套筒型号索引 Ferrele Part NO.Index

| 型号 Part NO . | 页码Page |
|--------------|--------|
| H00018       | 169    |
| H00100       | 169    |
| H00110       | 169    |
| H00110-A     | 170    |
| H00200       | 170    |
| H00210       | 170    |
| H00400       | 172    |
| H00401       | 173    |
| H00621       | 173    |
| H01100       | 171    |
| H01200       | 171    |
| H01300       | 172    |
| H01400       | 172    |
| H03310       | 171    |

### 软管接头型号索引 Hose Fitting Part NO.Index

| 型号 Part NO . | 页码Page |
|--------------|--------|
| H10411       | 189    |
| H10411-RW    | 175    |
| H10511       | 193    |
| H10511-RW    | 177    |
| H12611       | 205    |
| H12611A      | 205    |
| H12611A-RW   | 179    |
| H13011       | 213    |
| H14211-RW    | 183    |
| H15611       | 215    |
| H15611SW     | 215    |
| H16711       | 218    |
| H16711-RW    | 181    |
| H20111       | 196    |
| H20111-T     | 196    |
| H20141       | 196    |
| H20141-T     | 196    |
| H20191       | 197    |
| H20191-T     | 197    |
| H20211       | 197    |
| H20211-T     | 197    |
| H20241       | 198    |
| H20241-T     | 198    |
| H20291       | 198    |
| H20291-T     | 198    |
| H20411-T     | 190    |
| H20411-TRW   | 175    |
| H20411-W     | 190    |
| H20441-T     | 191    |
| H20441-TRW   | 176    |
| H20441-W     | 191    |
| H20491-T     | 192    |
| H20491-TRW   | 176    |
| H20491-W     | 192    |
| H20511-T     | 193    |
| H20511-TRW   | 177    |
| H20511-W     | 193    |
| H20513-T     | 227    |
| H20541-T     | 194    |
| H20541-TRW   | 178    |
| H20541-W     | 194    |
| H20543-T     | 227    |
| H20591-T     | 195    |
| H20591-TRW   | 178    |
| H20591-W     | 194    |
| H20593-T     | 227    |
| H20711       | 199    |

| 型号 Part NO . | 页码Page |
|--------------|--------|
| H20711-T     | 199    |
| H20741       | 200    |
| H20741-T     | 200    |
| H20791       | 201    |
| H20791-T     | 201    |
| H22111       | 214    |
| H22111-T     | 214    |
| H22611       | 206    |
| H22611D      | 211    |
| H22611D-SM   | 212    |
| H22611-OR    | 209    |
| H22611-ORT   | 209    |
| H22611-RW    | 179    |
| H22611-T     | 206    |
| H22613-OR    | 228    |
| H22641       | 207    |
| H22641-OR    | 210    |
| H22641-ORT   | 210    |
| H22641-RW    | 180    |
| H22641-T     | 207    |
| H22643-OR    | 228    |
| H22691       | 208    |
| H22691K      | 212    |
| H22691-OR    | 191    |
| H22691-ORT   | 211    |
| H22691-RW    | 180    |
| H22691-T     | 208    |
| H22693-OR    | 228    |
| H24211       | 216    |
| H24211D      | 216    |
| H24211-RW    | 184    |
| H24211-T     | 216    |
| H24211-TRW   | 184    |
| H24241       | 217    |
| H24241-RW    | 185    |
| H24241-T     | 217    |
| H24241-TRW   | 185    |
| H24291       | 217    |
| H24291-RW    | 185    |
| H24291-T     | 217    |
| H24291-TRW   | 185    |
| H24293       | 230    |
| H26711       | 219    |
| H26711D      | 219    |
| H26711D-SM   | 220    |
| H26711-RW    | 182    |
| H26711-T     | 219    |

## 型号索引

Part Part NO.Index

| 型号 Part NO . | 页码Page |
|--------------|--------|
| H26713       | 229    |
| H26741       | 220    |
| H26741-RW    | 182    |
| H26741-T     | 220    |
| H26743       | 229    |
| H26791       | 221    |
| H26791K      | 221    |
| H26791-RW    | 183    |
| H26791-T     | 221    |
| H26793       | 229    |
| H50011       | 202    |
| H50041       | 203    |
| H50091       | 204    |
| H60011       | 224    |
| H70011       | 225    |
| H700M        | 226    |
| H72011       | 225    |
| H720B        | 226    |
| H87311-RW    | 186    |
| H87313       | 230    |
| H87341       | 222    |
| H87341-RW    | 186    |
| H87343       | 230    |
| H87391       | 222    |
| H87391-RW    | 187    |
| H87393       | 231    |
| H87611       | 223    |
| H87611-RW    | 187    |
| H87613       | 231    |
| H87641       | 223    |
| H87641-RW    | 188    |
| H87643       | 231    |
| H87691       | 224    |
| H87691-RW    | 188    |
| H87693       | 232    |
| H87913       | 232    |
| H87943       | 232    |
| H90011       | 226    |

### 其它产品型号索引 Other Products Part NO.Index

| 型号 Part NO . | 页码Page |
|--------------|--------|
| HLW          | 235    |
| HRL          | 236    |
| HRS          | 236    |
| HSF          | 234    |
| 测压接头         | 233    |
| 钢丝护套（HP）     | 237    |
| 尼龙护套（RNL）    | 238    |

[illegible]

ZHEJIANG 浙江

