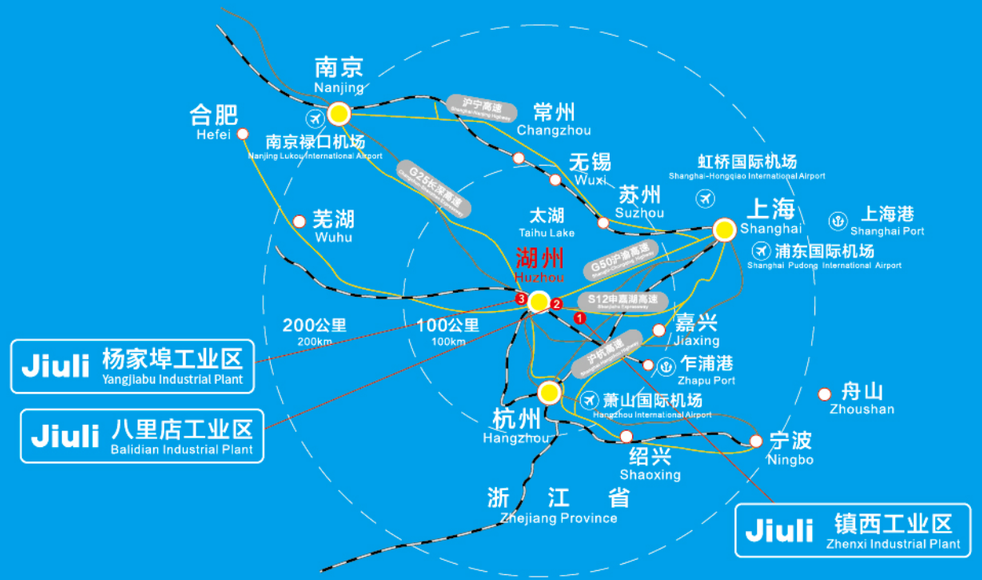



**浙江久立特材科技股份有限公司**
ZHEJIANG JIULI HI-TECH METALS CO., LTD.

电话：0572-2539336　传真：0572-2539359　邮编：313028
地址：浙江省湖州市吴兴区中兴大道1899号
网址：http://ganggou.jiuli.com

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股票代码：002318

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# 精密仪表管

PRECISION INSTRUMENT TUBES

**浙江久立特材科技股份有限公司**
ZHEJIANG JIULI HI-TECH METALS CO., LTD.

仪表管，无论在石油化工或者是各类电站中，都仅仅是很小的一部分材料，显而易见，没有任何一位客户希望看到因为一段小小的仪表管泄漏而导致停产。

长久以来，久立秉承为全球工业提供高性能材料的企业使命，与世界先进的工程公司、使用方一直保持着紧密的合作、交流，助力客户向更恶劣的环境下实现工程开发和应用。

如果您每年需要在供应商身上花费大量精力去处理质量异议和索赔，毫无疑问，这是错误的选择。久立带给您的不仅仅是质量可靠的材料，还有更安心的服务。我们深知每一根钢管的重要性，几十年的生产经验告诉我们，材料在恶劣的工况下服役，不仅要依据标准，更要针对客户的需求对钢管实行更高标准的内控来保障产品质量。

Instrument tube, whether in petrochemical or power plant, is only a small part of the material, and it is obvious that no customer wants to see a production stoppage due to a small leakage of instrument tube.
For a long time, JULI has been adhering to the corporate mission of providing high performance materials for global industries, and has been maintaining close cooperation and communication with advanced engineering companies and users in the world, helping customers to realize engineering development and application in more severe environments.
If you need to spend a lot of effort on suppliers to deal with quality objections and claims every year, there is no doubt that this is the wrong choice. Joly brings you not only reliable quality materials, but also more peace of mind service. We understand the importance of each steel pipe, and our decades of production experience have taught us that materials serving under harsh working conditions must be manufactured not only according to standards, but also according to the needs of our customers by implementing higher standards of internal control of steel pipes to ensure product quality.




## MATERIAL TABLE
# 主要优势

## 追本溯源
Trace back to the source

我们深知用户对于收到的每一件最终产品，都希望了解其完整和详细的生产状况，以确保产品的可靠性和安全性。因此，我们承诺您收到的久立产品都是拥有“姓名”的产品。为了能够持续不断、稳定的生产合格的产品，久立实现了材料全程可追溯性。从您下单开始，一切与之相关的信息都将开始诞生，并形成相应的批号，也就是我们所说的“姓名”，您可根据其“姓名”来查询您产品从原材料到最终成品的相关信息。

We are aware that our customers want to know the complete and detailed production status of each final product they receive to ensure its reliability and safety. Therefore, we promise you that the products you receive from Jurli will be "name" products. In order to continuously and consistently produce qualified products, Jurli has achieved full material traceability. From the moment you place an order, all the information related to it will be created, and the corresponding lot number, or "name" as we call it, will be created, and you will be able to check the information related to your product from the raw material to the final product by its "name".

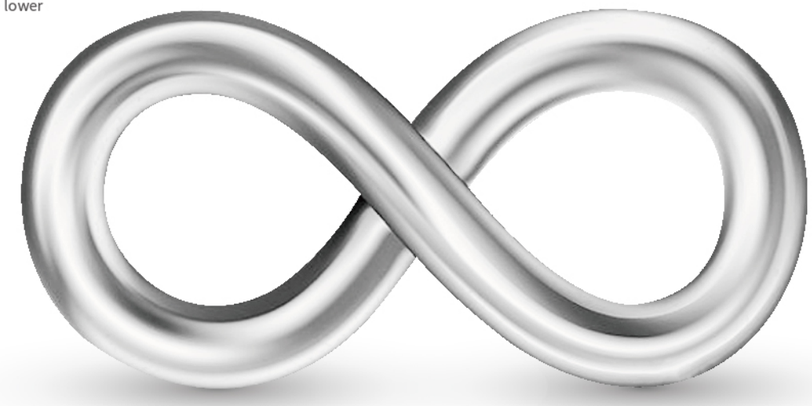
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## 得心应手
EASY TO USE

仪表管往往采用卡套式接头进行连接，实现钢管与卡套的成功连接，关键在于钢管的硬度需要比卡套接头的硬度更低。

Instrument pipes are often connected using ferrule fittings. The key to achieving a successful connection between steel pipe and ferrule is that the hardness of the steel pipe needs to be lower than that of the ferrule fitting.



## 不差毫厘
NOT A HAIR OUT OF PLACE

为了使卡套式接头将钢管牢牢掌握，在工作极限状态下也能保持完美的结合，我们对钢管的公差提出了更严苛的要求。GB14976注明冷加工态钢管，外径高级精度要求在±0.15mm，壁厚高级精度要求在±10%；ASTM A269注明小口径钢管，外径精度要求在±0.13mm，壁厚精度要求在±10%。而久立对钢管外径的极限公差可以控制在±0.03mm，壁厚则是±7.5%，因此对于标准要求的公差，我们在生产中足够游刃有余。

In order to make the tube firmly grasped by the ferrule joint, we can maintain a perfect combination in the working limit state, we put forward more stringent requirements on the tolerance of the steel pipe. GB14976 indicates that the cold processing state steel pipe, the outer diameter advanced accuracy requirements in ± 0.15mm, the wall thickness advanced accuracy requirements in ± 10%; ASTM A269 indicates that the small diameter steel pipe, the outer diameter accuracy requirements in ± 0.13mm, wall thickness accuracy requirements in ± 10%. Wall thickness accuracy requirements in ± 10%. The limit tolerance of steel pipe outside diameter can be controlled at ±0.03mm, and wall thickness is ±7.5%, so we are comfortable enough in the production for the standard requirement of tolerance.

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## 历久弥坚
LONG-LASTING

仪表管的腐蚀会造成仪表气的泄漏或者导致相关控制系统失灵，进而影响生产，这将会给您造成非常大的损失。

以316L仪表管为例，根据耐点蚀当量的计算公式(PREN=1 × %Cr + 3.3 × %Mo + 16 × %N)可知铬、钼对腐蚀影响极其关键， 同时，虽然镍在耐点蚀当量的计算公式并无权重，但据研究表明，当不锈钢中的铬、钼含量较低时，镍的提高能显著提高奥氏体不锈钢的耐点蚀和耐缝隙腐蚀的性能。铬、镍、钼三者决定材料的耐腐蚀性能，也影响材料的直接成本，久立拥有非常丰富的仪表管应用经验，将根据用户实际需求，合理的调整三者的成分配比，使得材料既能满足用户实际使用工况又能合理的降低工程成本。

Corrosion of the instrument tube can cause leakage of the instrument gas or lead to failure of the relevant control system, thus affecting production, which will cause you very big losses.

Take 316L instrument tube as an example, according to the formula of pitting resistance equivalent (PREN=1 × %Cr + 3.3 × %Mo + 16 × %N) it is known that chromium and molybdenum are extremely critical to corrosion, at the same time, although nickel does not have weight in the formula of pitting resistance equivalent, but according to research, when the chromium and molybdenum content of stainless steel is low, the increase of nickel can significantly improve the performance of austenitic stainless steel resistance to pitting and crevice corrosion. Chromium, nickel and molybdenum determine the corrosion resistance of the material, but also affect the direct cost of the material, JULI has very rich experience in the application of the instrument tube, will be based on the actual needs of users, reasonable adjustment of the ratio of the three components, so that the material can meet the actual use of the user conditions and can reasonably reduce engineering costs.




**耐腐蚀性能**
Corrosion resistance

## 贮存和使用
STORAGE AND USE

仪表管能否在您的装置上长时间服役，除了仪表管产品本身的品质，现场的贮存和使用也至关重要。久立将根据实际情况，为您提供产品使用说明书，用于指导后续施工安装过程中的钢管使用和防护，以避免因操作不当带来质量隐患。

In addition to the quality of the instrument pipe itself, the storage and use on site are also crucial to whether the instrument pipe can serve on your installation for a long time. According to the actual situation, Joly will provide you with the product instruction manual for guiding the use and protection of steel pipe during the subsequent construction and installation to avoid the hidden quality problems caused by improper operation.



# MATERIAL TABLE
# 材料表

## 材料 Material

| ASTM TP | ASTM UNS | GB | 化学成分(质量分数)% Chemical composition (mass fraction)% | | | | | Rp0.2 MPa | Rm MPa | A% |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 碳(C) | 铬(Cr) | 镍(Ni) | 钼(Mo) | 其他Other | | | |
| 304 | S30400 | 06Cr19Ni10 | 0.08 | 18~20 | 9~11 | — | — | ≥205 | ≥515 | ≥35 |
| 304L | S30403 | 022Cr19Ni10 | 0.030 | 18~20 | 9~11 | — | — | ≥175 | ≥485 | ≥35 |
| 316 | S31600 | 06Cr17Ni12Mo2 | 0.08 | 16~18 | 10~14 | 2~3 | | ≥205 | ≥515 | ≥35 |
| 316L | S31603 | 022Cr17Ni12Mo2 | 0.030 | 16~18 | 10~14 | 2~3 | | ≥175 | ≥485 | ≥35 |
| 316Ti | S31635 | 06Cr17Ni12Mo2Ti | 0.08 | 16~18 | 10~14 | 2~3 | Ti≥5C | ≥205 | ≥515 | ≥35 |
| 321 | S32100 | 06Cr18Ni11Ti | 0.08 | 17~19 | 9~12 | — | Ti:5C~0.70 | ≥205 | ≥515 | ≥35 |
| 347 | S34700 | 06Cr18Ni11Nb | 0.08 | 17~19 | 9~12 | | Nb:10C~1.10 | ≥205 | ≥515 | ≥35 |
| … | S31254 | 015cr20ni18mo6CuN | 0.020 | 19.5~20.5 | 17.5~18.5 | 6~6.5 | | ≥310 | ≥655 | ≥35 |
| … | N08904 | 00Cr20Ni25Mo4.5Cu | 0.020 | 19~23 | 23~28 | 4~5 | Cu:1.00~2.00 | ≥215 | ≥490 | ≥35 |
| … | N08800 | NS1101 | 0.10 | 19~23 | 30~35 | | Al:0.15~0.6<br>Ti:0.15~0.6 | ≥170 | ≥450 | ≥30 |
| | N08825 | NS1402 | 0.05 | 19.5~23.5 | 38~46 | 2.5~3.5 | Al≤0.2<br>Ti:0.6~1.2 | ≥172 | ≥517 | ≥30 |
| Inconel 600 | N06600 | NS3102 | 0.15 | 14~17 | ≥72 | | Cu≤0.5 | ≥205 | ≥550 | ≥35 |
| Inconel 625 | N06625 | NS3306 | 0.10 | 20~23 | ≥58 | 8~10 | | ≥276 | ≥690 | ≥30 |
| | N04400 | NS6400 | 0.3 | | ≥63 | | Cu:28~34 | ≥195 | ≥480 | ≥35 |
| | S31803 | 022Cr23Ni5Mo3N | 0.03 | 21~23 | 4.5~6.5 | 2.5~3.5 | | ≥450 | ≥620 | ≥25 |
| | S32205 | 022Cr23Ni5Mo3N | 0.03 | 22~23 | 4.5~6.5 | 3~3.5 | | ≥485 | ≥655 | ≥25 |

- 数据参考ASTM 标准 Data reference ASTM standard
- 更多材料请咨询久立 Please consult Jiuli for more materials
- 直管/盘管交货 Straight pipe/coil Delivery

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/4 | 6.35 | 0.035 | 0.889 | S32750 | 748 | 10850 |
| | | 0.049 | 1.2446 | S32750 | 1096 | 15900 |
| | | 0.065 | 1.651 | S32750 | 1536 | 22280 |
| | | 0.083 | 2.1082 | S32750 | 2095 | 30390 |
| 3/8 | 9.53 | 0.035 | 0.889 | S32750 | 481 | 6970 |
| | | 0.049 | 1.2446 | S32750 | 693 | 10050 |
| | | 0.065 | 1.651 | S32750 | 952 | 13800 |
| | | 0.083 | 2.1082 | S32750 | 1265 | 18340 |
| 1/2 | 12.70 | 0.035 | 0.889 | S32750 | 354 | 5140 |
| | | 0.049 | 1.2446 | S32750 | 506 | 7340 |
| | | 0.065 | 1.651 | S32750 | 689 | 9990 |
| | | 0.083 | 2.1082 | S32750 | 905 | 13130 |
| 4/7 | 14.29 | 0.049 | 1.2446 | S32750 | 446 | 6470 |
| | | 0.065 | 1.651 | S32750 | 605 | 8780 |
| | | 0.083 | 2.1082 | S32750 | 793 | 11500 |
| | | 0.109 | 2.7686 | S32750 | 1082 | 15690 |
| | | 0.119 | 3.0226 | S32750 | 1199 | 17390 |
| | | 0.158 | 4.0132 | S32750 | 1691 | 24530 |
| 3/4 | 19.05 | 0.035 | 0.889 | S32750 | 232 | 3360 |
| | | 0.049 | 1.2446 | S32750 | 330 | 4780 |
| | | 0.065 | 1.651 | S32750 | 444 | 6440 |
| | | 0.083 | 2.1082 | S32750 | 578 | 8380 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/4 | 19.05 | 0.109 | 2.7686 | S32750 | 780 | 11310 |
| | | 0.145 | 3.683 | S32750 | 1079 | 15650 |
| | | 0.163 | 4.1402 | S32750 | 1238 | 17950 |
| 1 | 25.40 | 0.065 | 1.651 | S32750 | 328 | 4750 |
| | | 0.083 | 2.1082 | S32750 | 424 | 6150 |
| | | 0.095 | 2.413 | S32750 | 490 | 7100 |
| | | 0.109 | 2.7686 | S32750 | 568 | 8240 |
| | | 0.114 | 2.8956 | S32750 | 596 | 8650 |
| | | 0.133 | 3.3782 | S32750 | 707 | 10250 |
| | | 0.179 | 4.5466 | S32750 | 987 | 14310 |
| | | 0.25 | 6.35 | S32750 | 1464 | 21240 |
| 1/4 | 6.35 | 0.035 | 0.889 | N04400 | 361 | 5240 |
| | | 0.049 | 1.2446 | N04400 | 530 | 7680 |
| | | 0.065 | 1.651 | N04400 | 743 | 10770 |
| | | 0.083 | 2.1082 | N04400 | 1013 | 14690 |
| 3/8 | 9.53 | 0.035 | 0.889 | N04400 | 232 | 3370 |
| | | 0.049 | 1.2446 | N04400 | 334 | 4850 |
| | | 0.065 | 1.651 | N04400 | 460 | 6670 |
| | | 0.083 | 2.1082 | N04400 | 611 | 8860 |
| 1/2 | 12.70 | 0.035 | 0.889 | N04400 | 171 | 2480 |
| | | 0.049 | 1.2446 | N04400 | 245 | 3550 |
| | | 0.065 | 1.651 | N04400 | 333 | 4830 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/2 | 12.70 | 0.083 | 2.1082 | N04400 | 438 | 6350 |
| 4/7 | 14.29 | 0.049 | 1.2446 | N04400 | 216 | 3130 |
| | | 0.065 | 1.651 | N04400 | 292 | 4240 |
| | | 0.083 | 2.1082 | N04400 | 383 | 5560 |
| | | 0.109 | 2.7686 | N04400 | 523 | 7580 |
| | | 0.119 | 3.0226 | N04400 | 579 | 8400 |
| | | 0.158 | 4.0132 | N04400 | 817 | 11850 |
| 3/4 | 19.05 | 0.035 | 0.889 | N04400 | 112 | 1630 |
| | | 0.049 | 1.2446 | N04400 | 159 | 2310 |
| | | 0.065 | 1.651 | N04400 | 214 | 3110 |
| | | 0.083 | 2.1082 | N04400 | 279 | 4050 |
| | | 0.109 | 2.7686 | N04400 | 376 | 5460 |
| | | 0.145 | 3.683 | N04400 | 521 | 7560 |
| | | 0.163 | 4.1402 | N04400 | 598 | 8670 |
| 1 | 25.40 | 0.065 | 1.651 | N04400 | 159 | 2300 |
| | | 0.083 | 2.1082 | N04400 | 205 | 2970 |
| | | 0.095 | 2.413 | N04400 | 236 | 3430 |
| | | 0.109 | 2.7686 | N04400 | 274 | 3980 |
| | | 0.114 | 2.8956 | N04400 | 288 | 4180 |
| | | 0.133 | 3.3782 | N04400 | 341 | 4950 |
| | | 0.179 | 4.5466 | N04400 | 477 | 6920 |
| | | 0.25 | 6.35 | N04400 | 707 | 10260 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/4 | 6.35 | 0.035 | 0.889 | N06600 | 450 | 6530 |
| | | 0.049 | 1.2446 | N06600 | 660 | 9570 |
| | | 0.065 | 1.651 | N06600 | 925 | 13420 |
| | | 0.083 | 2.1082 | N06600 | 1262 | 18300 |
| 3/8 | 9.53 | 0.035 | 0.889 | N06600 | 290 | 4200 |
| | | 0.049 | 1.2446 | N06600 | 417 | 6050 |
| | | 0.065 | 1.651 | N06600 | 573 | 8310 |
| | | 0.083 | 2.1082 | N06600 | 761 | 11040 |
| 1/2 | 12.70 | 0.035 | 0.889 | N06600 | 213 | 3090 |
| | | 0.049 | 1.2446 | N06600 | 305 | 4420 |
| | | 0.065 | 1.651 | N06600 | 415 | 6020 |
| | | 0.083 | 2.1082 | N06600 | 545 | 7910 |
| 4/7 | 14.29 | 0.049 | 1.2446 | N06600 | 269 | 3900 |
| | | 0.065 | 1.651 | N06600 | 365 | 5290 |
| | | 0.083 | 2.1082 | N06600 | 477 | 6920 |
| | | 0.109 | 2.7686 | N06600 | 651 | 9440 |
| | | 0.119 | 3.0226 | N06600 | 722 | 10470 |
| | | 0.158 | 4.0132 | N06600 | 1018 | 14770 |
| 3/4 | 19.05 | 0.035 | 0.889 | N06600 | 140 | 2030 |
| | | 0.049 | 1.2446 | N06600 | 199 | 2880 |
| | | 0.065 | 1.651 | N06600 | 268 | 3880 |
| | | 0.083 | 2.1082 | N06600 | 348 | 5040 |
| | | 0.109 | 2.7686 | N06600 | 470 | 6810 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/4 | 19.05 | 0.145 | 3.683 | N06600 | 650 | 9420 |
| | | 0.163 | 4.1402 | N06600 | 745 | 10810 |
| 1 | 25.40 | 0.065 | 1.651 | N06600 | 197 | 2860 |
| | | 0.083 | 2.1082 | N06600 | 255 | 3700 |
| | | 0.095 | 2.413 | N06600 | 295 | 4280 |
| | | 0.109 | 2.7686 | N06600 | 342 | 4960 |
| | | 0.114 | 2.8956 | N06600 | 359 | 5210 |
| | | 0.133 | 3.3782 | N06600 | 425 | 6170 |
| | | 0.179 | 4.5466 | N06600 | 594 | 8620 |
| | | 0.25 | 6.35 | N06600 | 882 | 12790 |
| 1/4 | 6.35 | 0.035 | 0.889 | N06625 GR.1 | 773 | 11210 |
| | | 0.049 | 1.2446 | N06625 GR.1 | 1133 | 16430 |
| | | 0.065 | 1.651 | N06625 GR.1 | 1588 | 23030 |
| | | 0.083 | 2.1082 | N06625 GR.1 | 2166 | 31410 |
| 3/8 | 9.53 | 0.035 | 0.889 | N06625 GR.1 | 496 | 7200 |
| | | 0.049 | 1.2446 | N06625 GR.1 | 716 | 10390 |
| | | 0.065 | 1.651 | N06625 GR.1 | 983 | 14260 |
| | | 0.083 | 2.1082 | N06625 GR.1 | 1307 | 18960 |
| 1/2 | 12.70 | 0.035 | 0.889 | N06625 GR.1 | 366 | 5310 |
| | | 0.049 | 1.2446 | N06625 GR.1 | 523 | 7590 |
| | | 0.065 | 1.651 | N06625 GR.1 | 712 | 10330 |
| | | 0.083 | 2.1082 | N06625 GR.1 | 936 | 13570 |
| 4/7 | 14.29 | 0.049 | 1.2446 | N06625 GR.1 | 461 | 6690 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 4/7 | 14.29 | 0.065 | 1.651 | N06625 GR.1 | 626 | 9080 |
| | | 0.083 | 2.1082 | N06625 GR.1 | 820 | 11890 |
| | | 0.109 | 2.7686 | N06625 GR.1 | 1118 | 16210 |
| | | 0.119 | 3.0226 | N06625 GR.1 | 1239 | 17970 |
| | | 0.158 | 4.0132 | N06625 GR.1 | 1748 | 25350 |
| 3/4 | 19.05 | 0.035 | 0.889 | N06625 GR.1 | 240 | 3480 |
| | | 0.049 | 1.2446 | N06625 GR.1 | 341 | 4940 |
| | | 0.065 | 1.651 | N06625 GR.1 | 459 | 6660 |
| | | 0.083 | 2.1082 | N06625 GR.1 | 597 | 8660 |
| | | 0.109 | 2.7686 | N06625 GR.1 | 806 | 11690 |
| | | 0.145 | 3.683 | N06625 GR.1 | 1115 | 16170 |
| | | 0.163 | 4.1402 | N06625 GR.1 | 1279 | 18550 |
| 1 | 25.40 | 0.065 | 1.651 | N06625 GR.1 | 339 | 4910 |
| | | 0.083 | 2.1082 | N06625 GR.1 | 439 | 6360 |
| | | 0.095 | 2.413 | N06625 GR.1 | 506 | 7340 |
| | | 0.109 | 2.7686 | N06625 GR.1 | 587 | 8520 |
| | | 0.114 | 2.8956 | N06625 GR.1 | 616 | 8940 |
| | | 0.133 | 3.3782 | N06625 GR.1 | 730 | 10590 |
| | | 0.179 | 4.5466 | N06625 GR.1 | 1020 | 14790 |
| | | 0.25 | 6.35 | N06625 GR.1 | 1513 | 21950 |
| 1/4 | 6.35 | 0.035 | 0.889 | N08825 | 450 | 6530 |
| | | 0.049 | 1.2446 | N08825 | 660 | 9570 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/4 | 6.35 | 0.065 | 1.651 | N08825 | 925 | 13420 |
| | | 0.083 | 2.1082 | N08825 | 1262 | 18300 |
| 3/8 | 9.53 | 0.035 | 0.889 | N08825 | 290 | 4200 |
| | | 0.049 | 1.2446 | N08825 | 417 | 6050 |
| | | 0.065 | 1.651 | N08825 | 573 | 8310 |
| | | 0.083 | 2.1082 | N08825 | 761 | 11040 |
| 1/2 | 12.70 | 0.035 | 0.889 | N08825 | 213 | 3090 |
| | | 0.049 | 1.2446 | N08825 | 305 | 4420 |
| | | 0.065 | 1.651 | N08825 | 415 | 6020 |
| | | 0.083 | 2.1082 | N08825 | 545 | 7910 |
| 4/7 | 14.29 | 0.049 | 1.2446 | N08825 | 269 | 3900 |
| | | 0.065 | 1.651 | N08825 | 365 | 5290 |
| | | 0.083 | 2.1082 | N08825 | 477 | 6920 |
| | | 0.109 | 2.7686 | N08825 | 651 | 9440 |
| | | 0.119 | 3.0226 | N08825 | 722 | 10470 |
| | | 0.158 | 4.0132 | N08825 | 1018 | 14770 |
| 3/4 | 19.05 | 0.035 | 0.889 | N08825 | 140 | 2030 |
| | | 0.049 | 1.2446 | N08825 | 199 | 2880 |
| | | 0.065 | 1.651 | N08825 | 268 | 3880 |
| | | 0.083 | 2.1082 | N08825 | 348 | 5040 |
| | | 0.109 | 2.7686 | N08825 | 470 | 6810 |
| | | 0.145 | 3.683 | N08825 | 650 | 9420 |
| | | 0.163 | 4.1402 | N08825 | 745 | 10810 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1 | 25.40 | 0.065 | 1.651 | N08825 | 197 | 2860 |
| | | 0.083 | 2.1082 | N08825 | 255 | 3700 |
| | | 0.095 | 2.413 | N08825 | 295 | 4280 |
| | | 0.109 | 2.7686 | N08825 | 342 | 4960 |
| | | 0.114 | 2.8956 | N08825 | 359 | 5210 |
| | | 0.133 | 3.3782 | N08825 | 425 | 6170 |
| | | 0.179 | 4.5466 | N08825 | 594 | 8620 |
| | | 0.25 | 6.35 | N08825 | 882 | 12790 |
| 1/4 | 6.35 | 0.035 | 0.889 | N08800 | 386 | 5600 |
| | | 0.049 | 1.2446 | N08800 | 567 | 8220 |
| | | 0.065 | 1.651 | N08800 | 794 | 11520 |
| | | 0.083 | 2.1082 | N08800 | 1083 | 15710 |
| 3/8 | 9.53 | 0.035 | 0.889 | N08800 | 248 | 3600 |
| | | 0.049 | 1.2446 | N08800 | 358 | 5190 |
| | | 0.065 | 1.651 | N08800 | 492 | 7130 |
| | | 0.083 | 2.1082 | N08800 | 654 | 9480 |
| 1/2 | 12.70 | 0.035 | 0.889 | N08800 | 183 | 2650 |
| | | 0.049 | 1.2446 | N08800 | 262 | 3800 |
| | | 0.065 | 1.651 | N08800 | 356 | 5160 |
| | | 0.083 | 2.1082 | N08800 | 468 | 6790 |
| 4/7 | 14.29 | 0.049 | 1.2446 | N08800 | 231 | 3350 |
| | | 0.065 | 1.651 | N08800 | 313 | 4540 |
| | | 0.083 | 2.1082 | N08800 | 410 | 5940 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 4/7 | 14.29 | 0.109 | 2.7686 | N08800 | 559 | 8110 |
| | | 0.119 | 3.0226 | N08800 | 619 | 8980 |
| | | 0.158 | 4.0132 | N08800 | 874 | 12680 |
| 3/4 | 19.05 | 0.035 | 0.889 | N08800 | 120 | 1740 |
| | | 0.049 | 1.2446 | N08800 | 170 | 2470 |
| | | 0.065 | 1.651 | N08800 | 230 | 3330 |
| | | 0.083 | 2.1082 | N08800 | 299 | 4330 |
| | | 0.109 | 2.7686 | N08800 | 403 | 5840 |
| | | 0.145 | 3.683 | N08800 | 558 | 8090 |
| | | 0.163 | 4.1402 | N08800 | 640 | 9280 |
| 1 | 25.40 | 0.065 | 1.651 | N08800 | 169 | 2450 |
| | | 0.083 | 2.1082 | N08800 | 219 | 3180 |
| | | 0.095 | 2.413 | N08800 | 253 | 3670 |
| | | 0.109 | 2.7686 | N08800 | 294 | 4260 |
| | | 0.114 | 2.8956 | N08800 | 308 | 4470 |
| | | 0.133 | 3.3782 | N08800 | 365 | 5300 |
| | | 0.179 | 4.5466 | N08800 | 510 | 7400 |
| | | 0.25 | 6.35 | N08800 | 757 | 10980 |
| 1/4 | 6.35 | 0.035 | 0.889 | 904L | 400 | 5800 |
| | | 0.049 | 1.2446 | 904L | 586 | 8500 |
| | | 0.065 | 1.651 | 904L | 822 | 11920 |
| | | 0.083 | 2.1082 | 904L | 1121 | 16260 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/8 | 9.53 | 0.035 | 0.889 | 904L | 257 | 3730 |
| | | 0.049 | 1.2446 | 904L | 370 | 5370 |
| | | 0.065 | 1.651 | 904L | 509 | 7380 |
| | | 0.083 | 2.1082 | 904L | 676 | 9810 |
| 1/2 | 12.70 | 0.035 | 0.889 | 904L | 190 | 2750 |
| | | 0.049 | 1.2446 | 904L | 271 | 3930 |
| | | 0.065 | 1.651 | 904L | 368 | 5340 |
| | | 0.083 | 2.1082 | 904L | 484 | 7020 |
| 4/7 | 14.29 | 0.049 | 1.2446 | 904L | 239 | 3460 |
| | | 0.065 | 1.651 | 904L | 324 | 4700 |
| | | 0.083 | 2.1082 | 904L | 424 | 6150 |
| | | 0.109 | 2.7686 | 904L | 578 | 8390 |
| | | 0.119 | 3.0226 | 904L | 641 | 9300 |
| | | 0.158 | 4.0132 | 904L | 905 | 13120 |
| 3/4 | 19.05 | 0.035 | 0.889 | 904L | 124 | 1800 |
| | | 0.049 | 1.2446 | 904L | 176 | 2550 |
| | | 0.065 | 1.651 | 904L | 237 | 3440 |
| | | 0.083 | 2.1082 | 904L | 309 | 4480 |
| | | 0.109 | 2.7686 | 904L | 417 | 6050 |
| | | 0.145 | 3.683 | 904L | 577 | 8370 |
| | | 0.163 | 4.1402 | 904L | 662 | 9600 |
| 1 | 25.40 | 0.065 | 1.651 | 904L | 175 | 2540 |
| | | 0.083 | 2.1082 | 904L | 227 | 3290 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1 | 25.40 | 0.095 | 2.413 | 904L | 262 | 3800 |
| | | 0.109 | 2.7686 | 904L | 304 | 4410 |
| | | 0.114 | 2.8956 | 904L | 319 | 4630 |
| | | 0.133 | 3.3782 | 904L | 378 | 5480 |
| | | 0.179 | 4.5466 | 904L | 528 | 7660 |
| | | 0.25 | 6.35 | 904L | 783 | 11360 |
| 1/4 | 6.35 | 0.035 | 0.889 | S31254 | 580 | 8410 |
| | | 0.049 | 1.2446 | S31254 | 849 | 12320 |
| | | 0.065 | 1.651 | S31254 | 1191 | 17270 |
| | | 0.083 | 2.1082 | S31254 | 1624 | 23560 |
| 3/8 | 9.53 | 0.035 | 0.889 | S31254 | 372 | 5400 |
| | | 0.049 | 1.2446 | S31254 | 537 | 7790 |
| | | 0.065 | 1.651 | S31254 | 737 | 10690 |
| | | 0.083 | 2.1082 | S31254 | 980 | 14220 |
| 1/2 | 12.70 | 0.035 | 0.889 | S31254 | 274 | 3980 |
| | | 0.049 | 1.2446 | S31254 | 392 | 5690 |
| | | 0.065 | 1.651 | S31254 | 534 | 7740 |
| | | 0.083 | 2.1082 | S31254 | 702 | 10180 |
| 4/7 | 14.29 | 0.049 | 1.2446 | S31254 | 346 | 5020 |
| | | 0.065 | 1.651 | S31254 | 470 | 6810 |
| | | 0.083 | 2.1082 | S31254 | 615 | 8920 |
| | | 0.109 | 2.7686 | S31254 | 838 | 12160 |
| | | 0.119 | 3.0226 | S31254 | 929 | 13480 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 4/7 | 14.29 | 0.158 | 4.0132 | S31254 | 1311 | 19010 |
| 3/4 | 19.05 | 0.035 | 0.889 | S31254 | 180 | 2610 |
| | | 0.049 | 1.2446 | S31254 | 255 | 3700 |
| | | 0.065 | 1.651 | S31254 | 344 | 4990 |
| | | 0.083 | 2.1082 | S31254 | 447 | 6490 |
| | | 0.109 | 2.7686 | S31254 | 605 | 8770 |
| | | 0.145 | 3.683 | S31254 | 836 | 12130 |
| | | 0.163 | 4.1402 | S31254 | 959 | 13910 |
| 1 | 25.40 | 0.065 | 1.651 | S31254 | 254 | 3680 |
| | | 0.083 | 2.1082 | S31254 | 329 | 4770 |
| | | 0.095 | 2.413 | S31254 | 380 | 5510 |
| | | 0.109 | 2.7686 | S31254 | 441 | 6390 |
| | | 0.114 | 2.8956 | S31254 | 463 | 6710 |
| | | 0.133 | 3.3782 | S31254 | 547 | 7940 |
| | | 0.179 | 4.5466 | S31254 | 765 | 11100 |
| | | 0.25 | 6.35 | S31254 | 1135 | 16460 |
| 1/4 | 6.35 | 0.035 | 0.889 | 304 | 386 | 5600 |
| | | 0.049 | 1.2446 | 304 | 567 | 8220 |
| | | 0.065 | 1.651 | 304 | 794 | 11520 |
| | | 0.083 | 2.1082 | 304 | 1083 | 15710 |
| 3/8 | 9.53 | 0.035 | 0.889 | 304 | 248 | 3600 |
| | | 0.049 | 1.2446 | 304 | 358 | 5190 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/8 | 9.53 | 0.065 | 1.651 | 304 | 492 | 7130 |
| | | 0.083 | 2.1082 | 304 | 654 | 9480 |
| 1/2 | 12.70 | 0.035 | 0.889 | 304 | 183 | 2650 |
| | | 0.049 | 1.2446 | 304 | 262 | 3800 |
| | | 0.065 | 1.651 | 304 | 356 | 5160 |
| | | 0.083 | 2.1082 | 304 | 468 | 6790 |
| 4/7 | 14.29 | 0.049 | 1.2446 | 304 | 231 | 3350 |
| | | 0.065 | 1.651 | 304 | 313 | 4540 |
| | | 0.083 | 2.1082 | 304 | 410 | 5940 |
| | | 0.109 | 2.7686 | 304 | 559 | 8110 |
| | | 0.119 | 3.0226 | 304 | 619 | 8980 |
| | | 0.158 | 4.0132 | 304 | 874 | 12680 |
| 3/4 | 19.05 | 0.035 | 0.889 | 304 | 120 | 1740 |
| | | 0.049 | 1.2446 | 304 | 170 | 2470 |
| | | 0.065 | 1.651 | 304 | 230 | 3330 |
| | | 0.083 | 2.1082 | 304 | 299 | 4330 |
| | | 0.109 | 2.7686 | 304 | 403 | 5840 |
| | | 0.145 | 3.683 | 304 | 558 | 8090 |
| | | 0.163 | 4.1402 | 304 | 640 | 9280 |
| 1 | 25.40 | 0.065 | 1.651 | 304 | 169 | 2450 |
| | | 0.083 | 2.1082 | 304 | 219 | 3180 |
| | | 0.095 | 2.413 | 304 | 253 | 3670 |
| | | 0.109 | 2.7686 | 304 | 294 | 4260 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1 | 25.40 | 0.114 | 2.8956 | 304 | 308 | 4470 |
| | | 0.133 | 3.3782 | 304 | 365 | 5300 |
| | | 0.179 | 4.5466 | 304 | 510 | 7400 |
| | | 0.25 | 6.35 | 304 | 757 | 10980 |
| 1/4 | 6.35 | 0.035 | 0.889 | 304L | 323 | 4680 |
| | | 0.049 | 1.2446 | 304L | 473 | 6860 |
| | | 0.065 | 1.651 | 304L | 663 | 9620 |
| | | 0.083 | 2.1082 | 304L | 904 | 13110 |
| 3/8 | 9.53 | 0.035 | 0.889 | 304L | 208 | 3010 |
| | | 0.049 | 1.2446 | 304L | 299 | 4340 |
| | | 0.065 | 1.651 | 304L | 410 | 5950 |
| | | 0.083 | 2.1082 | 304L | 545 | 7910 |
| 1/2 | 12.70 | 0.035 | 0.889 | 304L | 153 | 2220 |
| | | 0.049 | 1.2446 | 304L | 219 | 3170 |
| | | 0.065 | 1.651 | 304L | 297 | 4310 |
| | | 0.083 | 2.1082 | 304L | 391 | 5670 |
| 4/7 | 14.29 | 0.049 | 1.2446 | 304L | 192 | 2790 |
| | | 0.065 | 1.651 | 304L | 261 | 3790 |
| | | 0.083 | 2.1082 | 304L | 342 | 4960 |
| | | 0.109 | 2.7686 | 304L | 467 | 6770 |
| | | 0.119 | 3.0226 | 304L | 517 | 7500 |
| | | 0.158 | 4.0132 | 304L | 729 | 10580 |
| 3/4 | 19.05 | 0.035 | 0.889 | 304L | 100 | 1450 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/4 | 19.05 | 0.049 | 1.2446 | 304L | 142 | 2060 |
| | | 0.065 | 1.651 | 304L | 192 | 2780 |
| | | 0.083 | 2.1082 | 304L | 249 | 3610 |
| | | 0.109 | 2.7686 | 304L | 336 | 4880 |
| | | 0.145 | 3.683 | 304L | 465 | 6750 |
| | | 0.163 | 4.1402 | 304L | 534 | 7740 |
| 1 | 25.40 | 0.065 | 1.651 | 304L | 141 | 2050 |
| | | 0.083 | 2.1082 | 304L | 183 | 2650 |
| | | 0.095 | 2.413 | 304L | 212 | 3070 |
| | | 0.109 | 2.7686 | 304L | 245 | 3560 |
| | | 0.114 | 2.8956 | 304L | 257 | 3730 |
| | | 0.133 | 3.3782 | 304L | 305 | 4420 |
| | | 0.179 | 4.5466 | 304L | 426 | 6180 |
| | | 0.25 | 6.35 | 304L | 632 | 9160 |
| 1/4 | 6.35 | 0.035 | 0.889 | 316 | 386 | 5600 |
| | | 0.049 | 1.2446 | 316 | 567 | 8220 |
| | | 0.065 | 1.651 | 316 | 794 | 11520 |
| | | 0.083 | 2.1082 | 316 | 1083 | 15710 |
| 3/8 | 9.53 | 0.035 | 0.889 | 316 | 248 | 3600 |
| | | 0.049 | 1.2446 | 316 | 358 | 5190 |
| | | 0.065 | 1.651 | 316 | 492 | 7130 |
| | | 0.083 | 2.1082 | 316 | 654 | 9480 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/2 | 12.70 | 0.035 | 0.889 | 316 | 183 | 2650 |
| | | 0.049 | 1.2446 | 316 | 262 | 3800 |
| | | 0.065 | 1.651 | 316 | 356 | 5160 |
| | | 0.083 | 2.1082 | 316 | 468 | 6790 |
| 4/7 | 14.29 | 0.049 | 1.2446 | 316 | 231 | 3350 |
| | | 0.065 | 1.651 | 316 | 313 | 4540 |
| | | 0.083 | 2.1082 | 316 | 410 | 5940 |
| | | 0.109 | 2.7686 | 316 | 559 | 8110 |
| | | 0.119 | 3.0226 | 316 | 619 | 8980 |
| | | 0.158 | 4.0132 | 316 | 874 | 12680 |
| 3/4 | 19.05 | 0.035 | 0.889 | 316 | 120 | 1740 |
| | | 0.049 | 1.2446 | 316 | 170 | 2470 |
| | | 0.065 | 1.651 | 316 | 230 | 3330 |
| | | 0.083 | 2.1082 | 316 | 299 | 4330 |
| | | 0.109 | 2.7686 | 316 | 403 | 5840 |
| | | 0.145 | 3.683 | 316 | 558 | 8090 |
| | | 0.163 | 4.1402 | 316 | 640 | 9280 |
| 1 | 25.40 | 0.065 | 1.651 | 316 | 169 | 2450 |
| | | 0.083 | 2.1082 | 316 | 219 | 3180 |
| | | 0.095 | 2.413 | 316 | 253 | 3670 |
| | | 0.109 | 2.7686 | 316 | 294 | 4260 |
| | | 0.114 | 2.8956 | 316 | 308 | 4470 |
| | | 0.133 | 3.3782 | 316 | 365 | 5300 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1 | 25.40 | 0.179 | 4.5466 | 316 | 510 | 7400 |
| | | 0.25 | 6.35 | 316 | 757 | 10980 |
| 1/4 | 6.35 | 0.035 | 0.889 | 316L | 323 | 4680 |
| | | 0.049 | 1.2446 | 316L | 473 | 6860 |
| | | 0.065 | 1.651 | 316L | 663 | 9620 |
| | | 0.083 | 2.1082 | 316L | 904 | 13110 |
| 3/8 | 9.53 | 0.035 | 0.889 | 316L | 208 | 3010 |
| | | 0.049 | 1.2446 | 316L | 299 | 4340 |
| | | 0.065 | 1.651 | 316L | 410 | 5950 |
| | | 0.083 | 2.1082 | 316L | 545 | 7910 |
| 1/2 | 12.70 | 0.035 | 0.889 | 316L | 153 | 2220 |
| | | 0.049 | 1.2446 | 316L | 219 | 3170 |
| | | 0.065 | 1.651 | 316L | 297 | 4310 |
| | | 0.083 | 2.1082 | 316L | 391 | 5670 |
| 4/7 | 14.29 | 0.049 | 1.2446 | 316L | 192 | 2790 |
| | | 0.065 | 1.651 | 316L | 261 | 3790 |
| | | 0.083 | 2.1082 | 316L | 342 | 4960 |
| | | 0.109 | 2.7686 | 316L | 467 | 6770 |
| | | 0.119 | 3.0226 | 316L | 517 | 7500 |
| | | 0.158 | 4.0132 | 316L | 729 | 10580 |
| 3/4 | 19.05 | 0.035 | 0.889 | 316L | 100 | 1450 |
| | | 0.049 | 1.2446 | 316L | 142 | 2060 |
| | | 0.065 | 1.651 | 316L | 192 | 2780 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/4 | 19.05 | 0.083 | 2.1082 | 316L | 249 | 3610 |
| | | 0.109 | 2.7686 | 316L | 336 | 4880 |
| | | 0.145 | 3.683 | 316L | 465 | 6750 |
| | | 0.163 | 4.1402 | 316L | 534 | 7740 |
| 1 | 25.40 | 0.065 | 1.651 | 316L | 141 | 2050 |
| | | 0.083 | 2.1082 | 316L | 183 | 2650 |
| | | 0.095 | 2.413 | 316L | 212 | 3070 |
| | | 0.109 | 2.7686 | 316L | 245 | 3560 |
| | | 0.114 | 2.8956 | 316L | 257 | 3730 |
| | | 0.133 | 3.3782 | 316L | 305 | 4420 |
| | | 0.179 | 4.5466 | 316L | 426 | 6180 |
| | | 0.25 | 6.35 | 316L | 632 | 9160 |
| 1/4 | 6.35 | 0.035 | 0.889 | S32205 | 612 | 8880 |
| | | 0.049 | 1.2446 | S32205 | 898 | 13020 |
| | | 0.065 | 1.651 | S32205 | 1258 | 18250 |
| | | 0.083 | 2.1082 | S32205 | 1716 | 24890 |
| 3/8 | 9.53 | 0.035 | 0.889 | S32205 | 394 | 5710 |
| | | 0.049 | 1.2446 | S32205 | 567 | 8230 |
| | | 0.065 | 1.651 | S32205 | 779 | 11300 |
| | | 0.083 | 2.1082 | S32205 | 1036 | 15020 |
| 1/2 | 12.70 | 0.035 | 0.889 | S32205 | 290 | 4210 |
| | | 0.049 | 1.2446 | S32205 | 415 | 6020 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/2 | 12.70 | 0.065 | 1.651 | S32205 | 564 | 8180 |
| | | 0.083 | 2.1082 | S32205 | 742 | 10760 |
| 4/7 | 14.29 | 0.049 | 1.2446 | S32205 | 365 | 5300 |
| | | 0.065 | 1.651 | S32205 | 496 | 7190 |
| | | 0.083 | 2.1082 | S32205 | 650 | 9420 |
| | | 0.109 | 2.7686 | S32205 | 886 | 12850 |
| | | 0.119 | 3.0226 | S32205 | 982 | 14240 |
| | | 0.158 | 4.0132 | S32205 | 1385 | 20090 |
| 3/4 | 19.05 | 0.035 | 0.889 | S32205 | 190 | 2760 |
| | | 0.049 | 1.2446 | S32205 | 270 | 3910 |
| | | 0.065 | 1.651 | S32205 | 363 | 5270 |
| | | 0.083 | 2.1082 | S32205 | 473 | 6860 |
| | | 0.109 | 2.7686 | S32205 | 638 | 9260 |
| | | 0.145 | 3.683 | S32205 | 884 | 12820 |
| | | 0.163 | 4.1402 | S32205 | 1014 | 14700 |
| 1 | 25.40 | 0.065 | 1.651 | S32205 | 268 | 3890 |
| | | 0.083 | 2.1082 | S32205 | 348 | 5040 |
| | | 0.095 | 2.413 | S32205 | 401 | 5820 |
| | | 0.109 | 2.7686 | S32205 | 465 | 6750 |
| | | 0.114 | 2.8956 | S32205 | 489 | 7090 |
| | | 0.133 | 3.3782 | S32205 | 578 | 8390 |
| | | 0.179 | 4.5466 | S32205 | 808 | 11720 |
| | | 0.25 | 6.35 | S32205 | 1200 | 17400 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/4 | 6.35 | 0.035 | 0.889 | 321 | 386 | 5600 |
| | | 0.049 | 1.2446 | 321 | 567 | 8220 |
| | | 0.065 | 1.651 | 321 | 794 | 11520 |
| | | 0.083 | 2.1082 | 321 | 1083 | 15710 |
| 3/8 | 9.525 | 0.035 | 0.889 | 321 | 248 | 3600 |
| | | 0.049 | 1.2446 | 321 | 358 | 5190 |
| | | 0.065 | 1.651 | 321 | 492 | 7130 |
| | | 0.083 | 2.1082 | 321 | 654 | 9480 |
| 1/2 | 12.7 | 0.035 | 0.889 | 321 | 183 | 2650 |
| | | 0.049 | 1.2446 | 321 | 262 | 3800 |
| | | 0.065 | 1.651 | 321 | 356 | 5160 |
| | | 0.083 | 2.1082 | 321 | 468 | 6790 |
| 4/7 | 14.2875 | 0.049 | 1.2446 | 321 | 231 | 3350 |
| | | 0.065 | 1.651 | 321 | 313 | 4540 |
| | | 0.083 | 2.1082 | 321 | 410 | 5940 |
| | | 0.109 | 2.7686 | 321 | 559 | 8110 |
| | | 0.119 | 3.0226 | 321 | 619 | 8980 |
| | | 0.158 | 4.0132 | 321 | 874 | 12680 |
| 3/4 | 19.05 | 0.035 | 0.889 | 321 | 120 | 1740 |
| | | 0.049 | 1.2446 | 321 | 170 | 2470 |
| | | 0.065 | 1.651 | 321 | 230 | 3330 |
| | | 0.083 | 2.1082 | 321 | 299 | 4330 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/4 | 19.05 | 0.109 | 2.7686 | 321 | 403 | 5840 |
| | | 0.145 | 3.683 | 321 | 558 | 8090 |
| | | 0.163 | 4.1402 | 321 | 640 | 9280 |
| 1 | 25.4 | 0.065 | 1.651 | 321 | 169 | 2450 |
| | | 0.083 | 2.1082 | 321 | 219 | 3180 |
| | | 0.095 | 2.413 | 321 | 253 | 3670 |
| | | 0.109 | 2.7686 | 321 | 294 | 4260 |
| | | 0.114 | 2.8956 | 321 | 308 | 4470 |
| | | 0.133 | 3.3782 | 321 | 365 | 5300 |
| | | 0.179 | 4.5466 | 321 | 510 | 7400 |
| | | 0.25 | 6.35 | 321 | 757 | 10980 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 1/4 | 6.35 | 0.035 | 0.889 | 347 | 386 | 5600 |
| | | 0.049 | 1.2446 | 347 | 567 | 8220 |
| | | 0.065 | 1.651 | 347 | 794 | 11520 |
| | | 0.083 | 2.1082 | 347 | 1083 | 15710 |
| 3/8 | 9.525 | 0.035 | 0.889 | 347 | 248 | 3600 |
| | | 0.049 | 1.2446 | 347 | 358 | 5190 |
| | | 0.065 | 1.651 | 347 | 492 | 7130 |
| | | 0.083 | 2.1082 | 347 | 654 | 9480 |
| 1/2 | 12.7 | 0.035 | 0.889 | 347 | 183 | 2650 |
| | | 0.049 | 1.2446 | 347 | 262 | 3800 |
| | | 0.065 | 1.651 | 347 | 356 | 5160 |
| | | 0.083 | 2.1082 | 347 | 468 | 6790 |
| 4/7 | 14.2875 | 0.049 | 1.2446 | 347 | 231 | 3350 |
| | | 0.065 | 1.651 | 347 | 313 | 4540 |
| | | 0.083 | 2.1082 | 347 | 410 | 5940 |
| | | 0.109 | 2.7686 | 347 | 559 | 8110 |
| | | 0.119 | 3.0226 | 347 | 619 | 8980 |
| | | 0.158 | 4.0132 | 347 | 874 | 12680 |
| 3/4 | 19.05 | 0.035 | 0.889 | 347 | 120 | 1740 |
| | | 0.049 | 1.2446 | 347 | 170 | 2470 |
| | | 0.065 | 1.651 | 347 | 230 | 3330 |
| | | 0.083 | 2.1082 | 347 | 299 | 4330 |

| 外径in. | 外径mm. | 壁厚in. | 壁厚mm. | 材质 | 最大承受压力 Maximum internal pressure | |
|---|---|---|---|---|---|---|
| | | | | | bar | PSI |
| 3/4 | 19.05 | 0.109 | 2.7686 | 347 | 403 | 5840 |
| | | 0.145 | 3.683 | 347 | 558 | 8090 |
| | | 0.163 | 4.1402 | 347 | 640 | 9280 |
| 1 | 25.4 | 0.065 | 1.651 | 347 | 169 | 2450 |
| | | 0.083 | 2.1082 | 347 | 219 | 3180 |
| | | 0.095 | 2.413 | 347 | 253 | 3670 |
| | | 0.109 | 2.7686 | 347 | 294 | 4260 |
| | | 0.114 | 2.8956 | 347 | 308 | 4470 |
| | | 0.133 | 3.3782 | 347 | 365 | 5300 |
| | | 0.179 | 4.5466 | 347 | 510 | 7400 |
| | | 0.25 | 6.35 | 347 | 757 | 10980 |

- 根据ASME B31.3标准计算 Calculated in accordance with ASME B31.3
- 更多参数请咨询久立 Consult Jiuli for more parameters