

产品介绍 >>>

Product Introduction

不锈钢无缝管Stainless Steel Seamless Tube:

不锈钢无缝管按轧制工艺的不同,可分为热轧无缝管和冷拔无缝管;按金相组织的不同,可分为半铁素体半马氏体系不锈钢无缝管、马氏体不锈钢无缝管、奥氏体系不锈钢无缝管、奥氏体-铁素体系不锈钢无缝管等;按运用领域的不同,可分为结构用不锈钢无缝管、流体输送用不锈钢无缝管、锅炉和换热器用不锈钢无缝管、机械加工用不锈钢无缝管、石油裂化用不锈钢无缝管、高压锅炉用不锈钢无缝管、食品卫生用不锈钢无缝管、石化和电力用不锈钢无缝管。

Stainless steel seamless tube can be divided into hot-rolled seamless tube and cold-drawn seamless tube according to the different rolling process; according to different metallurgical, it can be divided into semi-ferritic half martensitic stainless seamless steel tube, horse Stainless seamless steel tube, austenitic stainless seamless steel tube, austenitic-ferritic stainless seamless steel tube, etc.; according to different application fields, it can be divided into structural stainless seamless steel tube, stainless seamless steel tube for fluid delivery, stainless seamless steel tube for boilers and exchangers, stainless seamless steel tube for machining, stainless seamless steel tube for oil cracking, stainless seamless steel tube for high pressure boilers, stainless seamless steel tube for food hygiene, and petrochemical and power stainless seamless steel tube.

规格Size Range:

外径OD: 6-762mm, 壁厚Thickness: 0.5-50mm,
最大长度Max length: 18000mm

标准Standard:

GB/T14975-2002、GB/T14976-2002、GB13296-2007、GB9948-2006、GB5310-95、GB/T21833、GB/T12771
ASTM A312、ASTM A213、ASTM A269、ASTM A789、ASTM A790、ASTM A511、ASTM A376、ASTM A688
JIS 3463、JIS 3459、DIN 2462、DIN 17458、DIN 17456、EN 10297-2、EN 10216-5、GOST 9940、GOST 9941

材质Materials:

304 (0Cr18Ni9)、304L (00Cr19Ni10)、1Cr18Ni9Ti、32H (oCr18Ni10Ti)、310S (0Cr25Ni20)、347H (0Cr19Ni11Nb)、S31803 (00Cr22Ni5Mo3N)、316 (0Cr17Ni12Mo2)、316L (00Cr17Ni14Mo2)、316Ti (0Cr17Ni12Mo2Ti)、317 (00Cr19Ni13Mo3)

双相不锈钢Duplex Stainless Steel Tube

双相不锈钢(无缝管和焊管)一般可以分为低合金型、中合金型、高合金型和超级双相不锈钢型四类。双相不锈钢的主要特点是屈服强度可达400-550MPa,是普通不锈钢的2倍,因此可以节约用材,降低设备制造成本。在抗腐蚀方面,特别是介质环境比较恶劣(如海水,氯离子含量较高)的条件下,双相不锈钢的抗点蚀、缝隙腐蚀、应力腐蚀及腐蚀疲劳性能明显优于普通的奥氏体不锈钢,可以与高合金奥氏体不锈钢媲美。

Duplex stainless steel tube(seamless tube and welded tube) can be divided into four types: low alloy, medium alloy, high alloy, and super duplex stainless steel type. The main characteristic of the duplex stainless steel tube is that its yield strength can reach 400-550MPa, which is twice that of ordinary stainless steel, so it can save materials and reduce equipment manufacturing costs. In terms of corrosion resistance, especially for poor conditions of the medium (such as seawater and high chloride ion content), the resistance to pitting, crevice corrosion, stress corrosion, and corrosion fatigue of duplex stainless steels is significantly better than that of ordinary austenite, as good as high-alloy austenitic stainless steels.

规格Size Range

外径OD:6mm-610mm, 壁厚Thickness: 0.5mm-25.4mm,
最大长度Max length: 30000mm

标准Standard

GB/ 21833、GB/T14976、GB 13296、ASTM A789、ASTM A790、ASTM A450、ASTM A999、EN 10216-5、JIS G3459

材质Materials

S31803、S32205、S32750、S32760

典型双相不锈钢管的化学成分 Chemical Composition for Duplex Stainless Steel Pipe (%) :

| | C | Mn | P | S | Si | Cr | Ni | Mo | N | Cu |
|------------|---------|--------|----------|---------|--------|-----------|---------|---------|-----------|--------|
| UNS S32101 | 0.03max | 2.0max | 0.03max | 0.03max | 1.0max | 20.0~23.0 | 1.0~3.0 | 0.6max | 0.05~0.17 | 1.0max |
| UNS S31803 | 0.03max | 2.0max | 0.03max | 0.02max | 1.0max | 21.0~23.0 | 4.5~6.5 | 2.5~3.5 | 0.08~0.20 | / |
| UNS S32205 | 0.03max | 2.0max | 0.03max | 0.02max | 1.0max | 22.0~23.0 | 4.5~6.5 | 3.0~3.5 | 0.14~0.20 | / |
| UNS S32750 | 0.03max | 1.2max | 0.035max | 0.02max | 0.8max | 24.0~26.0 | 6.0~8.0 | 3.0~5.0 | 0.24~0.32 | 0.5max |