



钢铁之家

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全球钢号百科!

Global Steel Grade Encyclopedia



涵盖的行业或国家与地区类别



国际材料与试验协会

GJB

国家军用标准



动力机械工程师协会

EU

前欧洲标准化

AISI

美国钢铁学会



德国工业标准

AMS

航空航天材料规范



国际标准

JASO

日本汽车标准组织

EN

欧洲标准

JB

中国机械行业标准

UNS

统一编号系统

UNI

意大利标准



美国机械工程师协会

SS

瑞典标准



国家标准



日本工业标准

SUS316L

MATERIAL SPECIFICATIONS



PRODUCT DESCRIPTION

316L Stainless Steel is an austenitic stainless steel, which is not age or precipitation hardenable. It possesses high corrosion resistance and toughness as well as good all round mechanical properties to 300°C (572°F). It is also noted as being highly machinable.

APPLICATIONS

Construction encasement, doors, windows and armatures, offshore modules, cisterns and pipes for chemical tankers, production, warehousing and overland transportation of chemicals, food and beverages, pharmacy, synthetic fibre, paper and textile plants and pressure vessels. Due to the low C-content, the resistance to intergranular corrosion is also guaranteed in the welded condition.

KEY BENEFITS

- Particularly apparent for pitting and crevice corrosion in chloride environments.
- Excellent toughness, even at cryogenic temperatures.

PROPERTIES

Tensile Strength(Mpa)	Elongation (%)	Yield Strength(MPa)	Hardness(HRB)	
565	60	240	79	