

专业焊材 锐意创新

Welding Materials Dedicated to Innovation

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Integrity in Execution Customer First

技术服务 Technology: 18962025333

邮箱: info@bocastwelding.com



WeChat public number
微信公众号



博科丝特焊接科技（江苏）有限公司

BOCAST WELDING TECHNOLOGY (JIANGSU) CO., LTD

Tel: 0515-89518188

Web: <http://www.bocastweldtec.com>

Add: 江苏省东台市海洋西路 69 号

No.69 Haiyang West Road, Dongtai City, Jiangsu Province

博科丝特（上海）焊接科技有限公司

BOCAST (SHANGHAI) WELDING TECHNOLOGY CO., LTD

Tel: 021-69955439

Web: www.bocastwelding.com

Add: 上海市嘉定区沪宜公路 1185 号

No. 1185, Huiyi Highway, Jiading District, Shanghai

博科丝特（上海）焊接科技有限公司

BOCAST (SHANGHAI) WELDING TECHNOLOGY CO., LTD

本介绍书涉及的相关数据、统计资料、调查结果均来自于博科丝特焊接实验室。本手册涉及的个别用于博科丝特焊接产品描述的极限词语，仅在博科丝特焊接公司的产品范围内进行对比，不涉及于任何其他公司产品的比较，且仅面向博科丝特焊接客户作为产品使用的技术性概括指导，本介绍书内均为非标产品，具体产品外观以实际交付为准。所有设备使用前需详细阅读产品使用说明书中的安全说明。

2025

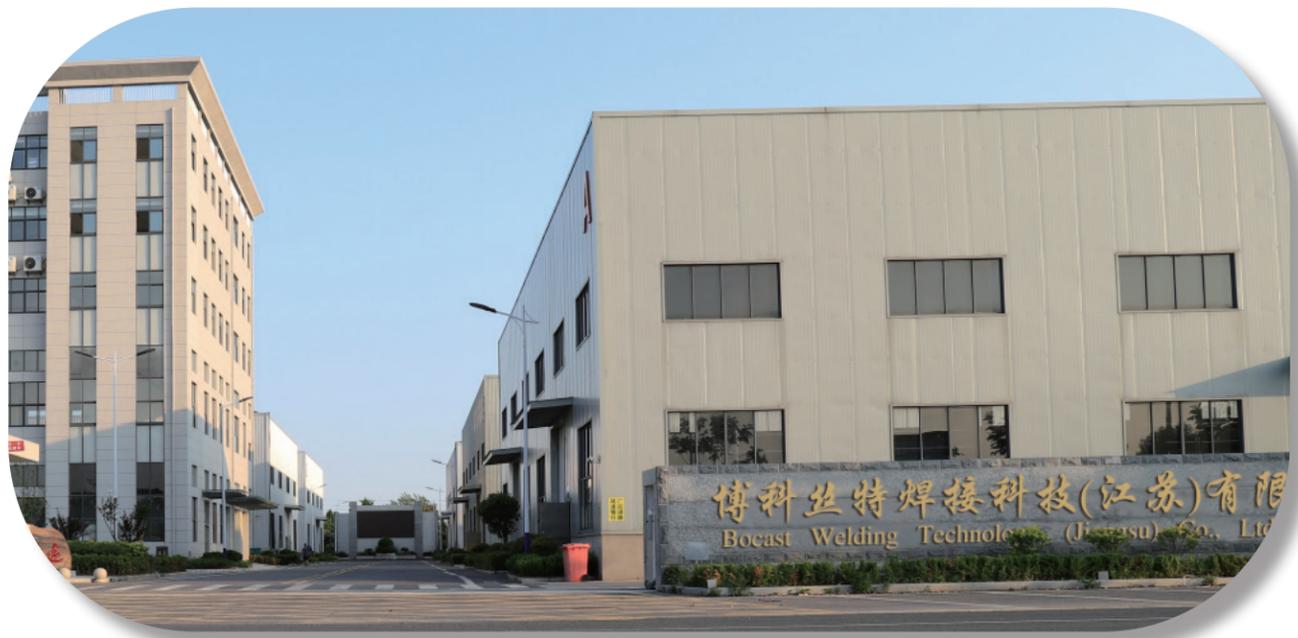
Company Profile

公司简介

锐意创新 特种焊材 成就卓越
专业焊材制造厂家 支持定制

博科丝特焊接科技（江苏）有限公司，地处经济发达的长三角地区。公司是一家专业从事各类焊接材料研发、生产和销售为一体的综合型企业。是武汉科技大学焊接材料的研发转化基地。主要产品包括：不锈钢焊条、非合金钢焊条、镍及镍基焊条；药芯焊丝、实心焊丝和焊剂等。其中的高锰奥氏体低温钢焊条，填补了国内关键材料领域内产业发展的空白，被应用在 LNG 储罐及压力容器等领域。

Bocast Welding Technology (Jiangsu) Co., Ltd. is located in the economically developed Yangtze River Delta region. We are a comprehensive enterprise specializing in the research and development, production, and sales of various welding materials. We are the research and development transformation base for welding materials at Wuhan University of Science and Technology. The main products include: stainless steel electrodes, non-alloy steel electrodes, nickel and nickel-based electrodes; flux-cored wires, solid wires and fluxes, etc. The high manganese austenitic low-temperature steel welding rod has filled the gap in the industrial development of key materials in China, and is used in LNG storage tanks, pressure vessels, etc



inspection center

检验中心



高频红外碳硫仪



直读光谱仪



荧光光谱仪



维氏硬度计



拉伸试验机



冲击试验机

高频红外碳硫仪
High - frequency infrared carbon - sulfur analyzer

直读光谱仪
Direct - reading spectrometer

荧光光谱仪
Fluorescence spectrometer

维氏硬度计
Vickers hardness tester

拉伸试验机
Tensile testing machine

冲击试验机
Impact testing machine

Certificate display 证书展示

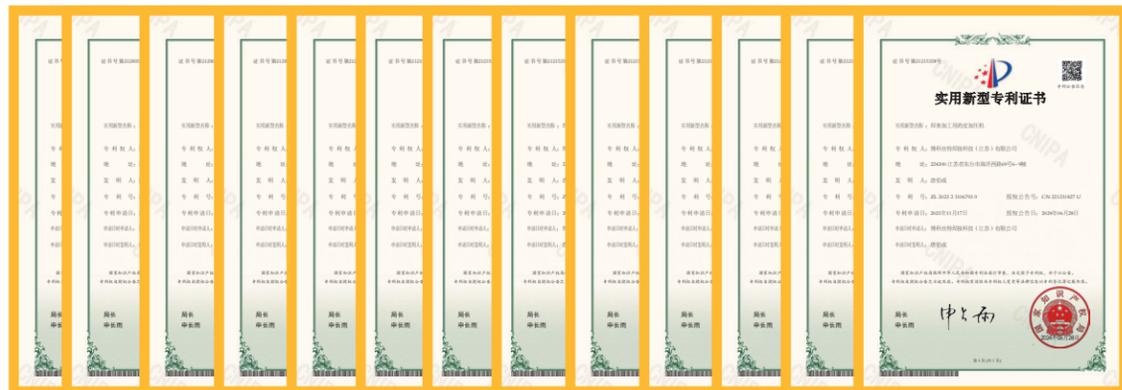
船级社认证证书 / Classification Society Certification



体系证书 / System Certificate

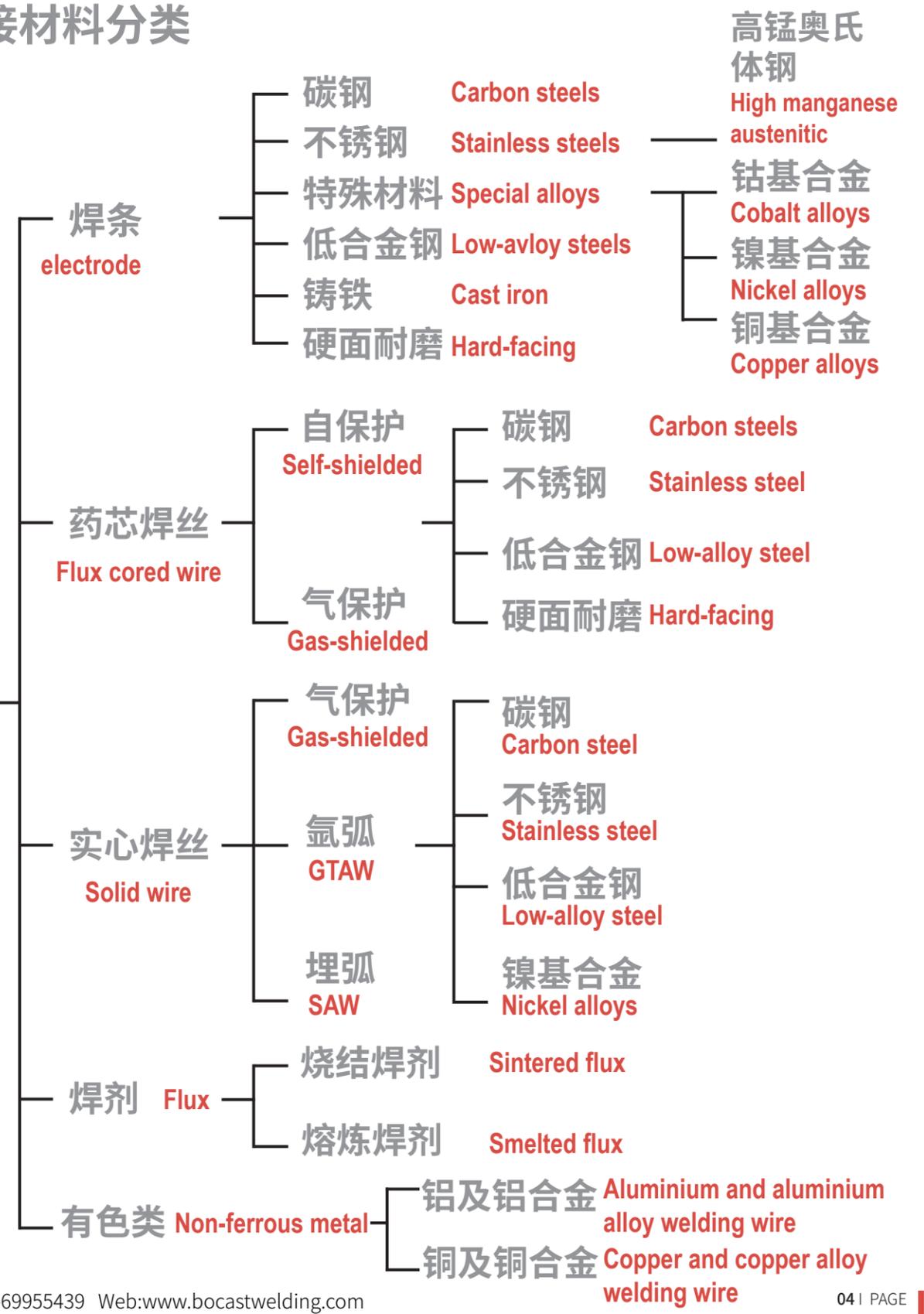


专利证书 / Patent certificate



Classification of Welding Materials 焊接材料分类

博科丝特焊接材料总览 Overview of BOCAST Welding Materials



高锰奥氏体钢
High manganese austenitic

钴基合金
Cobalt alloys

镍基合金
Nickel alloys

铜基合金
Copper alloys

Application Industry 应用行业

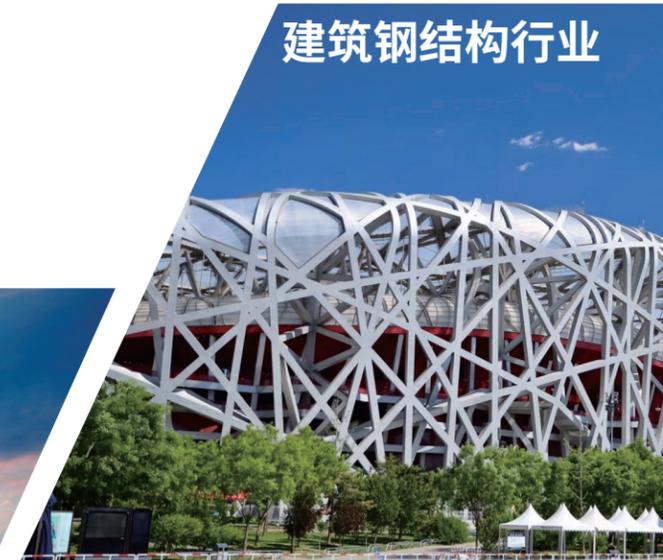
博科丝特焊材广泛应用于汽车制造、船舶制造、桥梁钢结构、建筑钢结构、LNG 储罐、压力容器等诸多领域。

Bocast welding materials are widely used in many fields such as automotive manufacturing, shipbuilding, bridge steel structures, building steel structures, LNG storage tanks, and pressure vessels.



海洋工程平台

建筑钢结构行业



桥梁钢结构行业



船舶制造行业



汽车制造行业



机械制造行业



化工能源行业



压力容器行业

Main Products

主要产品

高锰奥氏体钢焊条

High manganese austenitic steel electrodes

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|---------|-------|--------|--------|
| BC-EHMn | | | |

镍及镍合金焊条

Nickel and nickel alloy electrodes

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|-------------|----------|-----------|--------------|
| | T13814 | A5.11 | 14172 |
| BC-NiCrFe-1 | ENi6062 | ENiCrFe-1 | ENi6062 |
| BC-NiCrFe-2 | ENi6133 | ENiCrFe-2 | ENi6133 |
| BC-NiCrFe-3 | ENi6182 | ENiCrFe-3 | ENi6182 |
| BC-NiCrMo-3 | ENi6625 | ENiCrMo-3 | ENi6625 |
| BC-NiCrMo-4 | ENi6276 | ENiCrMo-4 | ENi6276 |
| BC-NiCrMo-6 | ENi6620 | ENiCrMo-6 | ENi6620 |
| | T10044 | A5.15 | 1071 |
| BC-Z208 | EZC | | |
| BC-Z308 | EZNi-1 | ENi-CI | |
| BC-Z408 | EZNiFe-1 | ENiFe-CI | E CNiFe-CI 1 |
| BC-Z508 | ECNiCu-1 | ENiCu-B | E C NiCu-B 1 |

不锈钢焊条

Stainless steel electrodes

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|--------------|------------|------------|--------------|
| | T983 | A5.4 | 3581 |
| BC-E308-16 | E308-16 | E308-16 | ES308-16 |
| BC-E308-15 | E308-15 | E308-15 | ES308-15 |
| BC-E309-16 | E309-16 | E309-16 | ES309-16 |
| BC-E309-15 | E309-15 | E309-15 | ES309-15 |
| BC-E309Mo-16 | E309Mo-16 | E309Mo-16 | ES309Mo-16 |
| BC-309LMo-16 | E309LMo-16 | E309LMo-16 | ES309LMo-16 |
| BC-E310-16 | E310-16 | E310-16 | ES310-16 |
| BC-E310-15 | E310-15 | E310-15 | ES310-15 |
| BC-E316-16 | E316-16 | E316-16 | ES316-16 |
| BC-E316L-16 | E316L-16 | E316L-16 | E(19123L)R32 |
| BC-E347-16 | E347-16 | E347-16 | ES347-16 |
| BC-E347-15 | E347-15 | E347-15 | ES347-15 |
| BC-E2209-16 | E2209-16 | E2209-16 | ES2209-16 |
| BC-E2594-16 | E2594-16 | E2594-16 | ES2594-16 |

耐热钢焊条

Heat-resistant steel electrode

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|---------|--------------|----------|------------|
| | T5118 | A5.5 | 3580 |
| BC-R307 | E5515-1CM | E8015-B2 | E5515-1CM |
| BC-R317 | E5515-1CMV | E8015-G | |
| BC-R407 | E6215-2C1M | E9015-B3 | E6215-2C1M |
| BC-R408 | E6218-2C1M | E9018-B3 | E6218-2C1M |
| BC-R417 | E5515-2CMVnb | | E5515-G |

堆焊焊条

Surfacing welding electrodes

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|-----------|---------------|---------|--------|
| | T984 | | |
| BC-D212 | EDPCrMo-A4-03 | | |
| BC-D256 | EDMn-A-16 | EFeMn-A | |
| BC-D507 | EDCr-A1-15 | | |
| BC-D507Mo | EDCr-A2-15 | | |
| BC-D608 | EDZ-A1-08 | | |
| BC-D707 | EDW-A-15 | | |

碳钢焊条

Carbon steel electrode

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|------------|---------|--------|----------|
| | T 5117 | A5.1 | 2560 |
| BC-E6013 | E4313 | E6013 | E4313 A |
| BC-J422 | E4303 | | E4303 A |
| BC-J426 | E4316 | | E4316 A |
| BC-J427 | E4315 | | E4315 A |
| BC-J501Fe | E5014 | E7014 | E4914 A |
| BC-J502 | E5003 | | E4903 A |
| BC-J502WCu | E5003-G | | |
| BC-J506 | E5016 | E7016 | E4916 A |
| BC-E7018 | E5018 | E7018 | E49 18 A |
| BC-J507 | E5015 | E7015 | E4915 A |

碳钢实心焊丝

Solid welding wire for Carbon steel

| 牌号 | | GB 规格 | AWS 规格 |
|------------|------------|--------|---------|
| | | T8110 | A5.18 |
| BCM-ER49-1 | BCT-ER49-1 | ER49-1 | ER70S-G |
| BCM-ER50-G | BCT-ER50-G | ER50-G | ER70S-G |
| BCM-ER50-3 | BCT-ER50-3 | ER50-3 | ER70S-3 |
| - | BCT-ER50-2 | ER50-2 | ER70S-2 |
| BCM-ER50-6 | BCT-ER50-6 | ER50-6 | ER70S-6 |

低合金钢实心焊丝

Solid welding wire for low-alloy steel

| 牌号 | | GB 规格 | AWS 规格 |
|-----------|-----------|-------------|---------|
| | | T 8110 | A5.28 |
| BCM-55-B2 | BCT-55-B2 | ER55-B2-MnV | ER80S-G |
| BCM-55-G | BCT-55-G | ER55-G | ER80S-G |
| BCM-62-G | BCT-62-G | ER62-G | ER90S-G |
| BCM-90S-G | - | ER62-G | ER90S-G |

不锈钢实心焊丝

Solid welding wire for Stainless steel

| 牌号 | | GB 规格 | AWS 规格 | ISO 规格 |
|------------|----------|---------|----------|----------|
| | | T29713 | A5.9 | 14343 |
| BCM-307Si | - | S307Si | | G 18 8Mn |
| BCM-308 | BCT-308 | S308 | ER308 | SS308 |
| BCM-308L | BCT-308L | S308L | ER308L | SS308L |
| BCM-308LSi | - | S308LSi | ER308LSi | SS308LSi |
| BCM-309 | BCT-309 | S309 | ER309 | SS309 |
| BCM-309L | - | S309L | ER309L | SS309L |
| BCM-309LSi | - | S309LSi | ER309LSi | SS309LSi |
| BCM-316 | BCT-316 | S316 | ER316 | SS316 |
| BCM-316L | BCT-316L | S316L | ER316L | SS316L |
| BCM-316LSi | - | S316LSi | ER316LSi | SS316LSi |

埋弧焊丝

Submerged arc welding wire

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|-----------|-------------|-----------|-----------|
| | T 5293 | A5.17 | 14171 |
| BC-H08A | SU08A SU08E | EL12/EL8 | SU11/A-S1 |
| BC-H10Mn2 | SU34 | EH14/EL8 | SU33/A-S4 |
| | T 12470 | A5.17 | |
| BC-1CM | | A5.23 EB2 | |
| BC-2CM | | A5.23 EB3 | |

焊剂

Flux

| 牌号 | GB 规格 | AWS 规格 |
|----------|------------------------------|------------------------|
| | T 5293 | A5.17M |
| BC-SJ101 | S43A2FB-SU26 S49A4FB-SU34 | F7A2-EM12 F7A4-EH14 |
| BC-SJ301 | S39A0SC-SU08 S43A2SC-SU26 | |
| BC-SJ501 | S43A0AR-SU08 S49A3AR-SU26 | F6A0-EL8 F7A2-EM12K |
| BC-HJ431 | S43A0UMS-Su26 | |

碳钢药芯焊丝

Carbon steel flux-cored wire

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|--------------|--------------------|-----------|---|
| | T10045 | A5.20 | 17632 |
| BC-E70T-1C | T49 2 T1-0 C1 A | E70T-1C | T49 2 T1-0 C1 A |
| BC-E70T-5C | T49 3 T5-0 C1 A | E70T-5C | T49 3 T5-0 C1 A |
| BC-E71T-1C | T49 2 T1-1 C1 A | E71T-1C | T42 2 P C1 1 H10 |
| BC-E71NiT-1C | T49 4 T1-1 C1 A | E71T-1C | T42 4 P C1 1 H5 |
| BC-E71T-GS | T49ZT11-1NA | E71T-GS | T49TG-1NS |
| | T10045 | A5.29 | 17632 |
| BC-E81T1-K2C | T55 3 T1-1 C1 A-N3 | E81T1-K2C | T46 3 1.5Ni P C1 1H10 T55 3 T1-1 C1 A-N3-U H10 |

不锈钢药芯焊丝

Stainless steel flux-cored wire

| 牌号 | GB 规格 | AWS 规格 | ISO 规格 |
|----------------|---------------|-------------|--------------------|
| | T 17853 | A5.22 | 17633 |
| BC-E308LT1-1 | TS308L-FC1 1 | E308LT1-1 | T 19 9 L P C1 1 |
| BC-E309LT1-1 | TS309L-FC1 1 | E309LT1-1 | T 23 12 L P C1 1 |
| BC-E309LMoT1-1 | TS309LMo-FC11 | E309LMoT1-1 | |
| BC-E347LT1-1 | TS347L-FC1 1 | | T 19 9Nb R C1 1 |
| BC-E316LT1-1 | TS316L-FC1 1 | E316LT1-1 | T 19 12 3 L R C1 1 |
| BC-E2209T1-1 | TS2209-FC1 1 | E2209T1-1 | |

BC-EHMn 高锰奥氏体钢焊条

- 超低温力学性能稳定、成型性好、脱渣性好，于全位置焊接。
- 用于焊接液化气体储运装置等、低温压力容器用高锰奥氏体钢板。
- It has stable ultra-low temperature mechanical properties, good formability, good slag removability, and is suitable for all-position welding.
- It can be used for welding liquefied gas storage and transportation equipment, etc., and high-manganese austenitic steel plates for cryogenic pressure vessels.

**BC-J422 碳钢焊条**

- 交直流两用、优良的工艺性能、电弧稳定、全位置焊接。
- 用于焊接一般碳钢结构和强度等级较低的低合金钢，如 09Mn2 等。
- It is suitable for both AC and DC power, has excellent technological performance and a stable arc, and is suitable for all-position welding.
- It is used for welding general carbon steel structures and low-alloy steels with low strength grades, such as 09Mn2, etc.

**BC-E6013 碳钢焊条**

- 交直流两用、脱渣好、飞溅小、再引弧容易、全位置焊接。
- 低碳钢结构，适用于薄板小件短焊缝的间断焊和要求表面光洁的盖面焊。
- Suitable for both AC and DC power, good slag removability, low spatter, easy arc re-ignition, and applicable to all-position welding.
- Low-carbon steel structures are suitable for intermittent welding of short welds on thin-plate small parts and cover welding requiring smooth surface finish.

**BC-J507 碳钢焊条**

- 直流反接、电弧挺度好、稳定的低温韧性、优良的塑性与抗裂性能。
- 用于船舶主要构件及锅炉、压力容器、管道等重要钢结构件的焊接。
- DC reverse polarity, good arc stiffness, stable low-temperature toughness, excellent plasticity and crack resistance.
- It is used for welding of main components of ships, as well as important steel structural components such as boilers, pressure vessels and pipelines.

**BC-E7018 碳钢焊条**

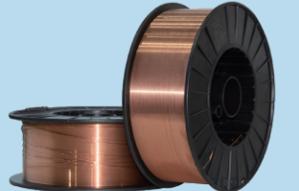
- 是铁粉低氢钾型药皮的碳钢焊条。由于药皮含有铁粉，可提高熔敷效率。
- 用于碳钢或低合金钢结构的焊接，如 16Mn 等。
- It is a carbon steel electrode with iron powder low-hydrogen potassium type coating. Due to the iron powder in the coating, the deposition efficiency can be improved.
- It is used for welding carbon steel or low-alloy steel structures, such as 16Mn, etc.

**BC-E316L-16 不锈钢焊条**

- 超低碳不锈钢焊条、良好的耐热、耐蚀及抗裂性能。
- 用于焊接尿素、合成纤维等设备及相同类型的不锈钢结构。
- Ultra-low carbon stainless steel electrode, with good heat resistance, corrosion resistance and crack resistance.
- It is used for welding equipment for urea and synthetic fiber production, as well as stainless steel structures of the same type.

**BC-ER70S-6 碳钢实心焊丝**

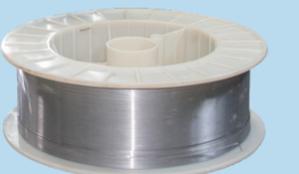
- 490MPa 级实心焊丝、焊缝金属气孔敏感小、全位置焊接。
- 用于工程机械、汽车、钢结构、管道、集装箱和弧焊机器人焊接。
- 490MPa grade solid wire, less sensitive to weld metal porosity, suitable for all-position welding.
- It is used for welding in engineering machinery, automobiles, steel structures, pipelines, containers and for applications with arc welding robots.

**BC-E71T-1C 碳钢药芯焊丝**

- 属金红石型渣系的 CO₂ 气保护药芯焊丝、全位置焊接，亦可立向下焊。
- 适用于 490MPa 级高强钢结构的焊接，多用于船舶、容器、桥梁等领域。
- It is a CO₂ gas shielded flux-cored wire belonging to the rutile slag system, suitable for all-position welding and vertical downward welding.
- Suitable for welding 490MPa-grade high-strength steel structures, and mostly used in fields such as ships, containers and bridges.

**BC-E308T1-1 不锈钢药芯焊丝**

- 属非金属粉型不锈钢药芯焊丝、较高的碳含量使其强度更高、耐热、耐蚀性。
- 适用于 SUS304 钢，多用于石油化工、压力容器、食品机械、化肥等领域。
- It belongs to non-metallic powder type stainless steel flux-cored wire. The higher carbon content gives it higher strength, heat resistance and corrosion resistance.
- Suitable for SUS304 steel, and mainly used in petrochemical industry, pressure vessels, food machinery, fertilizer and other fields.

**BC-AI4043 铝及铝合金焊丝**

- 是一种含硅量 5% 的铝硅合金焊丝。
- 用于船舶、化工、集装箱、汽车工业和结构部件等相关铝合金的焊接。
- It is an aluminum-silicon alloy welding wire with 5% silicon content.
- It is used for welding of relevant aluminum alloys in ships, chemical industry, containers, automotive industry and structural components, etc.

