



敬业集团

中厚板事业部

JINGYE GROUP MEDIUM & HEAVY PLATE DIVISION

敬业敬人 忠诚奉献 创新创效 智造高端

生产基地

敬业(营口)中板有限公司

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地址:唐山海港开发区
电话:0315-2920001

Production Base

Jingye (Yingkou) Medium Plate Co., Ltd.

Address: No. 1, Fanrong Road, Metallurgical Street, Laobian District, Yingkou City, Liaoning Province
Tel:0417-3256666

Hebei Jingye Wide Plate Technology Co., Ltd.

Address: Nandian Town, Pingshan County, Shijiazhuang City, Hebei Province
Tel:0311-82878888

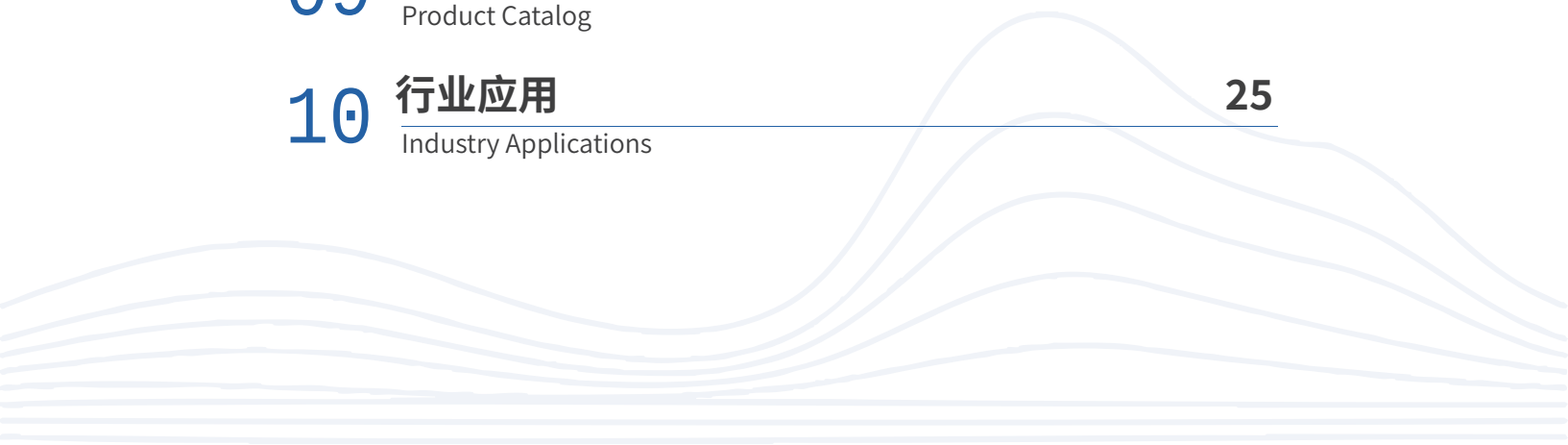
Hebei Huaxi Special Steel Co., Ltd.

Address: Tangshan Seaport Development Zone
Tel:0315-2920001

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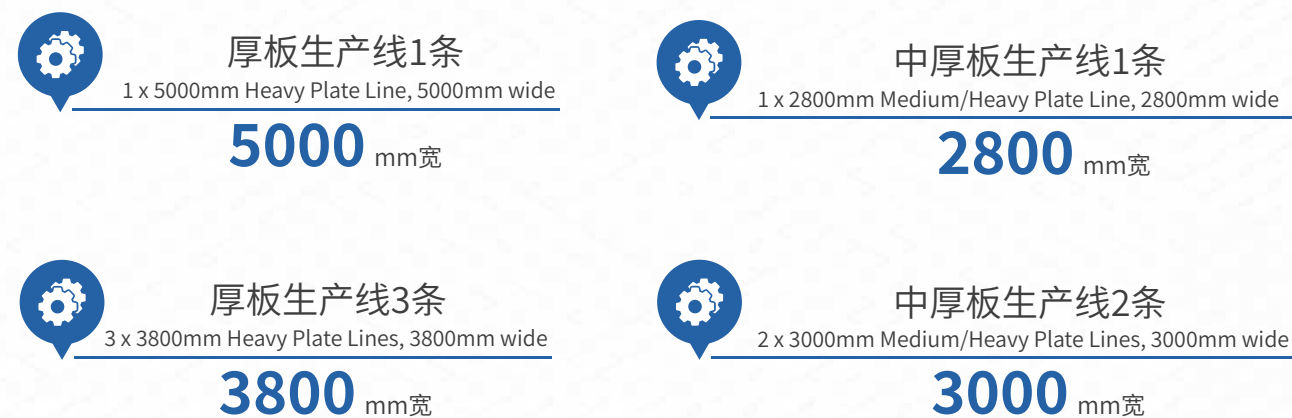
01 中厚板事业部简介

Introduction to the Medium & Heavy Plate Business Division

敬业集团中厚板事业部是以中厚板为主业, 下辖石家庄基地, 营口基地, 唐山基地。具有7条板材生产线, 其中5000mm宽厚板生产线1条, 3800mm宽厚板线3条, 3000mm中板生产线2条, 2800mm中板生产线1条; 高速线材生产线3条, 具备年产1350万吨中厚板材和200万吨线材的生产能力。



The Medium & Heavy Plate Division of Jingye Group specializes in medium and heavy plates, overseeing production bases in Shijiazhuang, Yingkou, and Tangshan. It operates 7 plate production lines, including one 5000mm wide & heavy plate line, three 3800mm wide & heavy plate lines, two 3000mm medium plate lines, and one 2800mm medium plate line; along with 3 high-speed wire rod lines. The division boasts an annual production capacity of 13.5 million tons of medium/heavy plates and 2 million tons of wire rods.



本着“以质量为目标导向, 以客户为中心服务”的经营理念, 开拓创新, 锐意进取。目前事业部板材方面形成了以军工、造船、管线、石油化工、机械制造、桥梁、锅炉容器、模具用钢为代表的主要产品系列, 线材产品涵盖帘线、弹簧、焊丝焊线、预应力钢筋、冷墩钢、硬线等主要品种。产品不仅畅销国内20多个省直辖市自治区, 更出口至欧美、日韩、东南亚、中东等130多个国家和地区, 远销海外且连续14年国内出口量排名第一。拥有国内外1000余家合作客户, 国之重器关键结构的核心用材: 和谐号动车组、LNG船(液化天然气运输船)、PCTC(汽车运输船); 基建强国名片的重要组成部分: 雄安高铁站、北京新机场项目、孟加拉帕德玛大桥、迪拜地铁项目; 响应“双碳”战略: 华能山东半岛海上风电项目、国家管网川气东送项目, 在国内外广大的客户群体中积累了较高的声誉。

敬业敬人, 忠诚奉献, 创新创效, 智造高端是中厚板事业部倾力打造的核心价值观, 目前, 事业部正以国际和国内先进钢铁企业为追求目标、以现代化的管理理念为基础, 以研发高附加值宽厚板及线材为发展主线, 以客户服务和终端定制为中心, 努力打造世界顶级宽厚板和线材生产企业。

Adhering to the business philosophy of "Quality as the Goal, Customer-Centric Service," the division continuously innovates and strives for excellence. In plates, it has established major product series represented by steel for military applications, shipbuilding, pipelines, petrochemicals, machinery manufacturing, bridges, boiler & pressure vessels, and molds. Wire rod products cover main varieties such as tire cord, spring, welding wire/rod, prestressed concrete steel bar, cold heading steel, and high-carbon wire rod. Products are not only best-sellers in over 20 provinces/municipalities/autonomous regions across China but are also exported to more than 130 countries and regions including Europe, America, Japan, South Korea, Southeast Asia, and the Middle East, maintaining the top position in domestic export volume for 14 consecutive years. With over 1000 cooperative customers domestically and internationally, the division has earned a high reputation among its broad customer base. Key applications include: core materials for critical structures of national strategic projects: Harmony bullet trains, LNG carriers, Pure Car and Truck Carriers; integral components of landmark infrastructure projects: Xiong'an High-Speed Railway Station, Beijing New Airport Project, Bangladesh Padma Bridge, Dubai Metro Project; responding to the "Dual Carbon" strategy: Huaneng Shandong Peninsula Offshore Wind Power Project, and the National Pipeline Network's Sichuan-East Gas Pipeline Project.

"Uphold professionalism, respect people; stay loyal and dedicated; pursue innovation and efficiency; build high-end intelligent manufacturing" is the core value of the Medium & Heavy Plate Business Unit. At present, taking domestic and world-leading iron and steel enterprises as benchmarks, modern management concepts as the foundation, the R&D of high value-added wide & heavy plates and wire rods as the development focus, and customer service and customized production for end users as the core, the Business Unit is striving to become a world-class manufacturer of wide & heavy plates and wire rods.



02 资质荣誉 Qualifications & Honors



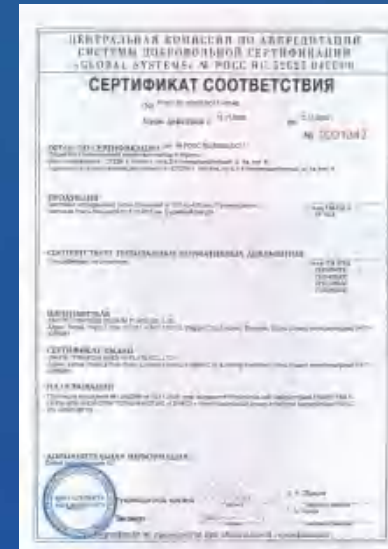
ISO 45001职业健康安全管理体系认证
ISO 45001 OCCUPATIONAL HEALTH AND
SAFETY MANAGEMENT SYSTEM CERTIFICATION



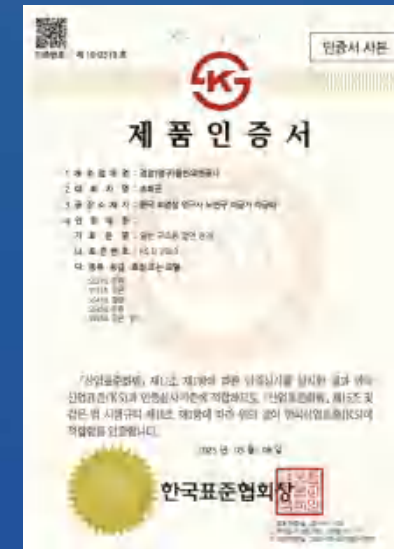
ISO 14001环境管理体系
ISO 14001 ENVIRONMENTAL
MANAGEMENT SYSTEM



ISO 9001质量管理体系
ISO 9001 QUALITY MANAGEMENT SYSTEM



俄罗斯GOST认证
RUSSIAN GOST CERTIFICATION



韩国KS认证
SOUTH KOREAN KS CERTIFICATION



马来西亚SIRIM认证
MALAYSIAN SIRIM CERTIFICATION



ISO 10012测量管理体系认证
ISO 10012 MEASUREMENT MANAGEMENT
SYSTEM CERTIFICATION



ISO 50001能源管理体系认证
ISO 50001 ENERGY MANAGEMENT
SYSTEM CERTIFICATION



日本JIS产品认证
JAPANESE JIS PRODUCT CERTIFICATION



API Q1管理体系
API Q1 MANAGEMENT SYSTEM



新加坡BC1认证
SINGAPORE BC1 CERTIFICATION



CCS (中国)



CCS (CHINA)

RS (俄罗斯)

RS (RUSSIA)



PRS (波兰)

PRS (POLAND)



KR (韩国)

KR (SOUTH KOREA)



LR (英国)

LR (UK)



RINA (意大利)

RINA (ITALY)



ABS (美国)

ABS (USA)



NK (日本)

NK (JAPAN)



DNV (挪威、德国)

DNV (NORWAY, GERMANY)



BV (法国)

BV (FRANCE)

03 工艺装备 Qualifications & Honors

01 铁前、炼铁工序 IRONMAKING & BLAST FURNACE PROCESS

敬业集团中厚板事业部炼铁共有3座2300m³高炉, 旗下营口基地配置600m²烧结机, 为行业内规模领先、技术水平突出的烧结生产线。营口基地现已建成2座大型现代化全封闭料场, 总占地面积43万平方米, 是目前国内自动化程度最高的封闭原料场之一。

The Medium & Heavy Plate Division operates three 2300m³ blast furnaces. Its Yingkou Base is fitted with a 600 m² sintering machine, a production line renowned for its large scale and sophisticated technology in the industry. The Yingkou base has built two large-scale modern fully-enclosed stockyards with a total area of 430,000 square meters, ranking among the most automated enclosed raw material yards in China.



2300m³高炉 2300m³ Blast Furnace



全封闭料场 Fully-Enclosed Stockyard



600m²烧结机 600m² Sinter Machine

02 炼钢工序 STEELMAKING PROCESS

敬业集团中厚板事业部现有转炉4座, 包括1座170吨转炉, 3座120吨转炉。营口基地配置4台板坯连铸机, 2#机型可产出475×2400mm断面坯料, 其坯料厚度在同类型直弧形板坯连铸设备中颇具优势。

The Medium & Heavy Plate Business Unit of Jingye Group owns four converters, including one 170-ton converter and three 120-ton converters. The Yingkou Base is equipped with four slab continuous casters. The No.2 caster can produce slabs with a section size of 475×2400 mm, featuring competitive thickness among similar straight-curved slab continuous casting equipment.



120吨LF精炼炉 120-ton LF Refining Furnace



八机八流方坯铸机 8-Strand Billet Caster



475mm板坯铸机 475mm Slab Caster



120吨顶底复吹转炉 120-ton Top/Bottom Combined Blowing Converter



475mm板坯铸机 475mm Slab Caster



120吨RH真空精炼炉 120-ton RH Vacuum Refining Furnace

03 轧钢工序 ROLLING PROCESS

敬业集团中厚板事业部具有7条板材生产线, 其中5000mm宽厚板生产线1条, 全线引进德国西马克公司技术及装备, 是目前全球轧制能力最大的现代化产线之一, 3800mm宽厚板线3条, 是目前完全国内自主设计、自动化水平最高的宽厚板生产线, 3000mm中板生产线2条, 2800mm中板生产线1条; 具有高速线材生产线3条, 主体设备为德国西马克公司制造, 具有先进水平单线无扭全连续线材生产能力。

钢板通常规格: 厚度5-400, 6-300mm; 宽度1200-4800mm; 长度Max.26000mm; 单重Max.36t。

事业部营口基地热处理系统现有辊底式热处理炉2座、步进式热处理炉2座、辊压式淬火机1座, 可对钢板进行淬火、正火、回火热处理, 年热处理能力50万吨以上。

The division has 7 plate production lines, including one 5000mm wide heavy plate line, which fully incorporates technology and equipment from Germany's SMS group and is one of the modern lines with the highest rolling capacity globally; three 3800mm medium plate lines, which are currently the most automated medium plate lines completely designed domestically in China; two 3000mm medium plate lines; and one 2800mm medium plate line. It also has 3 high-speed wire rod lines, with main equipment manufactured by Germany's SMS group, possessing advanced single-strand twist-free fully-continuous wire rod production capability.

Standard Plate Specifications: Thickness 5-400, 6-300mm; Width 1200-4800mm; Length Max. 26000mm; Single Weight Max. 36t.

The heat treatment system at the Yingkou base currently includes 2 roller hearth heat treatment furnaces, 2 walking beam heat treatment furnaces, and 1 roll quenching machine, capable of performing quenching, normalizing, and tempering heat treatments on steel plates, with an annual heat treatment capacity exceeding 500,000 tons.



5000mm轧机 5000mm Mill



3800mm轧机 3800mm Mill



2800mm轧机 2800mm Mill



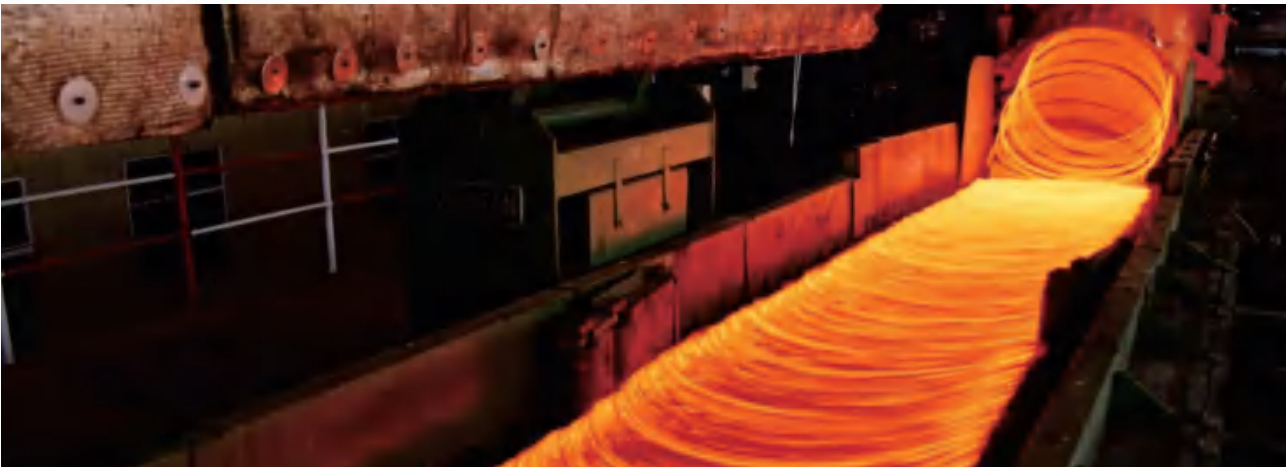
热矫直机 Hot Leveler



冷矫直机 Cold Leveler



预矫直机 Pre-Leveler



高速线材轧线

High-Speed Wire Rod Line



超快冷装置

Ultra-Fast Cooling Device



辊底式热处理炉

Roller Hearth Heat Treatment Furnace



步进式热处理炉

Walking Beam Heat Treatment Furnace



淬火机

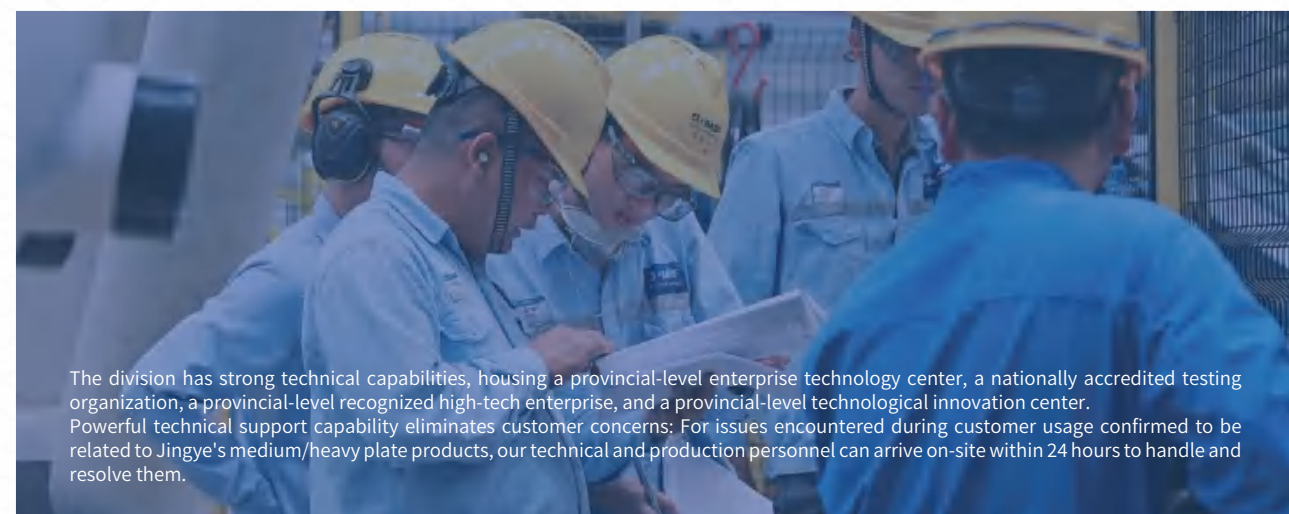
Quenching Machine

04 人才储备 Talent Pool

敬业集团中厚板事业部技术人才储备雄厚,现有**博士1人、硕士51人、本科1738人;研发人员1272人**,其中**中级职称491人、高级职称93人**。



事业部技术力量强大,拥有省级企业技术中心、国家认可检测机构、省级认定高新技术企业、省级技术创新中心等。强大的技术保障能力,免去客户后顾之忧:对于客户使用过程中遇到的问题,经确认是敬业中厚板产品的,我厂技术人员与生产人员可在24小时之内赶赴现场进行处理解决,免去客户后顾之忧。



05 检测装备 Testing Equipment

敬业集团中厚板事业部检测装备先进,拥有扫描电镜、冲击试验机、高温拉伸试验机等先进装备,专业实验室齐全,拥有高端化学、力学和金属物理测试仪器设备百余台套,理化检测中心获得“中国合格评定国家认可委员会实验室认可证书”,具备进出口商检、对外提供试样加工、检测任务的资质。

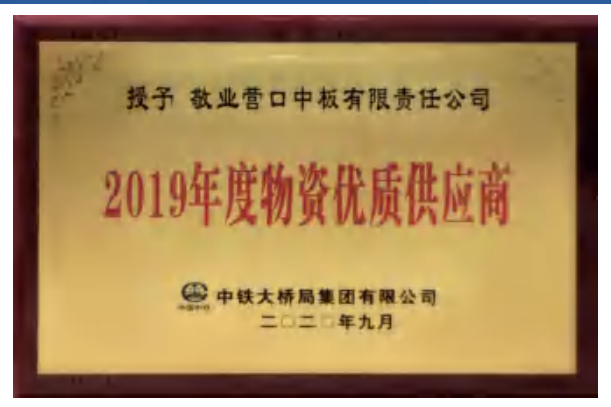
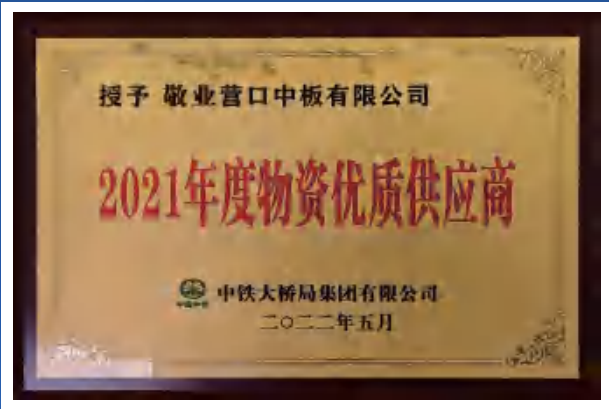
The Medium & Heavy Plate Business Division is equipped with advanced testing equipment, including scanning electron microscopes, impact testers, high-temperature tensile testers, etc. It has comprehensive professional laboratories with over a hundred sets of high-end chemical, mechanical, and metallographic physical testing instruments. The physical and chemical testing center has obtained the "CNAS Laboratory Accreditation Certificate," qualifying it for import/export commodity inspection and offering sample processing and testing services externally.



06 合作客户群 Customer Base



07 荣誉证书 Certificates of Honor



08

服务优势

Service Advantages

敬业集团中厚板事业部以打造国际领先的金属制品供应服务商为目标, 发扬工匠精神打造一流的产品和一流的服务, 致力于搭建互利互惠、共赢发展的金属制品供应链新平台。

- 1、坚持精品理念, 不是精品不出厂; 所有合同执行5个100%服务, 即交货数量100%、交货时间100%、产品质量100%、退款100%、开票100%。
- 2、推行EVI模式, 提供专家咨询团技术支持及咨询管理, 以客户需求为导向, 生产、技术、营销全方位介入用户产品研发, 提供更高性能的材料和个性化服务。
- 3、365*24小时服务热线 (0311-966666), 随时提供售前、售中、售后服务。

Aiming to become an internationally leading supplier and service provider of metal products, the Medium & Heavy Plate Division promotes the craftsman spirit to create first-class products and services, committed to building a new metal products supply chain platform for mutual benefit and win-win development.

Adhere to the premium product concept; only premium products leave the factory. All contracts are executed with 5 x 100% service guarantees: 100% on delivery quantity, 100% on delivery time, 100% on product quality, 100% on refund, and 100% on invoicing.

Implement the EVI (Early Vendor Involvement) model, providing expert technical support and consultation. Guided by customer needs, the production, technical, and marketing departments fully engage in user product R&D to provide higher-performance materials and personalized services.

365*24 hour service hotline (0311-966666), providing pre-sales, sales, and after-sales service at any time.



精品严控
5个100%履约兜底
Premium Products, Strict Control
5 x 100% Performance Guarantee



EVI模式
专家团队定制化技术赋能
EVI Mode
Expert Team Customized Technical Empowerment



365×24小时热线
全流程即时服务
365x24 Hour Hotline
Full-Process Instant Service



匠心造精品
一站式金属制品服务
Craftsmanship Creating Premium Products
One-Stop Metal Products Service



09

产品目录

Product Catalog

宽厚板常规产品目录

PRODUCT CATALOG OF MEDIUM AND THICK PLATE BUSINESS DIVISION

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
碳素结构钢 CARBON STRUCTURAL STEEL	Q195、Q215A/B、Q235A/B	6-250×1200-4700×3000-26000	GB/T 700
	Q355B	6-250×1200-4700×3000-26000	GB/T 1591
	ASTM A36	6-250×1200-4700×3000-26000	ASTM A36
	A283 GR.C/GR.D	6-250×1200-4700×3000-26000	ASTM A283
	A572 GR.42/GR.50	6-150×1200-4700×3000-26000	ASTM A572
	S235JR/0/2、S275JR/0/2	6-250×1200-4700×3000-26000	EN 10025-2
	SS300、SS400	6-250×1200-4700×3000-26000	JIS G 3101
	SM400A/B、SM490A/B/C	6-200×1200-4700×3000-26000	JIS G 3106
	SS235、SS275、SS315	6-250×1200-4700×3000-26000	KS G 3503
	SM275A/B/C	6-250×1200-4700×3000-26000	KS G 3515
	AS/NZS 3678-300L0/L15、350L0/L15	6-150×1200-4700×3000-26000	AS/NZS 3678
船舶及海洋工程用结构钢 STRUCTURAL STEEL FOR SHIPS AND OCEAN ENGINEERING	A、B、D、E	5-100×1200-4700×3000-26000	船级社规范 CLASSIFICATION SOCIETY RULES
	A32、D32、A36、D36	5-100×1200-4700×3000-26000	
	E32、F32、E36、F36	6-100×1200-4700×3000-26000	
	A40、D40、E40、F40	6-100×1200-4700×3000-26000	
	A420、D420、E420、A460、D460、E460	6-80×1200-4700×3000-26000	
	A500、D500、E500	6-50×1200-4700×3000-26000	
	A550、D550、E550、F550	6-100×1200-4700×3000-26000	
	A620、D620、E620	6-60×1200-4700×3000-26000	
	A690、D690、E690	6-100×1200-4700×3000-26000	
	A36-W200、D36-W200、E36-W200	6-40×1200-4700×3000-26000	
	A40-W200、D40-W200、E40-W200	6-40×1200-4700×3000-26000	
	A36-W400、D36-W400、E36-W400	6-80×1200-4700×3000-26000	
	A40-W400、D40-W400、E40-W400	6-80×1200-4700×3000-26000	
	VH32-O39~O75、VH36-O39~O75、	6-60×1200-4700×3000-26000	

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
船舶及海洋工程用结构钢 STRUCTURAL STEEL FOR SHIPS AND OCEAN ENGINEERING	460LE/LF、510LE/LF	6-60×1200-4700×3000-26000	船级社规范 CLASSIFICATION SOCIETY RULES
	CL- I -2~3、CL- II -2~3、CL-III-2~3	6-60×1200-4700×3000-26000	
	NV 32-2~4L、NV 4-2~4L	6-60×1200-4700×3000-26000	
	LT-AH-FH32、LT-AH-FH36	6-60×1200-4700×3000-26000	
	KL 33、KL37	6-60×1200-4700×3000-26000	
	RL 325A/B、RL 360	6-60×1200-4700×3000-26000	
海洋结构用钢 STEEL FOR OFFSHORE STRUCTURES	API 2H-42N、API 2H-50N	6-101.6×1200-4700×3000-26000	API SPEC 2H
	API 2W-50、API 2W-60	6-100×1200-4700×3000-26000	API SPEC 2W
	API 2Y-50、API 2Y-60	6-100×1200-4700×3000-26000	API SPEC 2Y
	S355NLO、S355MLO	6-100×1200-4700×3000-26000	EN 10225-1
	S420MLO、S460MLO、S500MLO、S550MLO	6-100×1200-4700×3000-26000	
	S420QLO、S460QLO、S500QLO、S550QLO、S620QLO、S690QLO	6-100×1200-4700×3000-26000	
风电用钢 STEEL FOR WIND POWER	Q355B/C/D	6-120×1200-4700×3000-26000	GB/T 1591
	Q390B/C/D、Q420B/C、Q460C	6-150×1200-4700×3000-26000	
	Q355NB~F、Q390NB~E、Q420NB~E	6-200×1200-4700×3000-26000	
	Q355MB~F、Q390MB~E、Q420MB~E、Q500MC~E	6-120×1200-4700×3000-26000	
	Q235C/D	8-120×1200-4700×3000-26000	GB/T 700
	Q345NHA~Q460NHE	6-100×1200-4700×3000-26000	GB/T 4171
	A572 GR.55	6-64×1200-4700×3000-26000	ASTM A572
	A572 GR.60	6-64×1200-4700×3000-26000	
	A573 GR.58/65/70	6-40×1200-4700×3000-26000	ASTM A573
	A633 GR.A/C/D	6-100×1200-4700×3000-26000	ASTM A633
	A633 GR.E	8-50×1200-4700×3000-26000	
	A871 GR.65	6-20×1200-4700×3000-26000	A871
	S275J0/2、S355JR/J0/J2/K2	6-200×1200-4700×3000-26000	EN 10025-2
	S355N/NL、S420N	6-200×1200-4700×3000-26000	EN 10025-3
	S355M/ML S420M/ML	6-100×1200-4700×3000-26000	EN 10025-4
	S235J0W~S355K2W	6-100×1200-4700×3000-26000	EN 10025-5
	SS490、SS540	6-150×1200-4700×3000-26000	JIS G 3101

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
风电用钢 STEEL FOR WIND POWER	SMA400AW~SMA570W	6-100×1200-4700×3000-26000	JIS G 3114
	SM490B/C、SM490YA/YB、SM520B/C	6-100×1200-4700×3000-26000	JIS G 3106
	DH36 (Z35)、EH36 (Z35)	8-100×1200-4700×3000-26000	GB 712
工程及矿山机械用钢 STEEL FOR ENGINEERING AND MINING MACHINERY	Q460C	6-150×1200-4700×3000-26000	GB/T 1591
	Q460NC~E	6-150×1200-4700×3000-26000	
	Q460MC~E	6-150×1200-4700×3000-26000	
	Q500MC~E、Q550MC~E	6-50×1200-4700×3000-26000	GB/T 16270
	Q460C~F、Q550C~F、Q690C~F	6-150×1200-4700×3000-26000	
	Q890C~F	6-100×1200-4700×3000-26000	
	Q960C~F	6-50×1200-4700×3000-26000	
	Q1100D/E、Q1300D/E	6-40×1200-4700×3000-26000	GB/T 28909
	S460M/ML	6-150×1200-4700×3000-26000	EN10025-4
	S460Q/QL/QL1、S550Q/QL/QL1、S690Q/QL/QL1	6-150×1200-4700×3000-26000	EN10025-6
	S890Q/QL/QL1	6-100×1200-4700×3000-26000	
	S960Q/QL	6-50×1200-4700×3000-26000	
	A572 GR.65	6-32×1200-4700×3000-26000	ASTM A572
	SM570	8-80×1200-4700×3000-26000	JIS G 3106
	65MN	6-40×1200-4700×3000-26000	协议
	50MN2V	6-40×1200-4700×3000-26000	
	DJ100	6-40×1200-4700×3000-26000	
	75CR1	6-40×1200-4700×3000-26000	
	NM360、NM400、NM450	6-80×1200-4700×3000-26000	GB/T 24186
	NM500、NM550、NM600	8-50×1200-4700×3000-26000	
锅炉和压力容器用钢 STEEL FOR BOILERS AND PRESSURE VESSELS	Q245R、Q345R、Q370R	6-150×1200-4700×3000-26000	GB 713.2
	A285 GR.A/GR.B/GR.C	6-150×1200-4700×3000-26000	A285
	A515 GR.60/GR.65/GR.70	6-150×1200-4700×3000-26000	A515
	A516 GR.55/GR.60/GR.65/GR.70	6-150×1200-4700×3000-26000	A516
	A612	6-25×1200-4700×3000-26000	A612
	16MNDR、09MNNIDR	6-120×1200-4700×3000-26000	GB 713.3
	Q490R、Q490DRL1、Q490DRL2、Q580R、Q580DR	10-60×1200-4700×3000-26000	GB 713.6

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
锅炉和压力容器用钢 STEEL FOR BOILERS AND PRESSURE VESSELS	A537 CL1	6-100×1200-4700×3000-26000	A537
	A537 CL2/CL3	6-75×1200-4700×3000-26000	
	P275NH/NL1/NL2、P355N/NH/NL1/NL2	6-150×1200-4700×3000-26000	EN 10028-3
	P355M/ML1/ML2	10-50×1200-4700×3000-26000	EN 10028-5
	13MNNI6-3	5-60×1200-4700×3000-26000	EN 10028-4
	SA-517 GR.B	10-32×1200-4700×3000-26000	SA-517
	15CRMOR、14CR1MOR、 12CR2MO1R、12CR1MOVR	6-120×1200-4700×3000-26000	GB 713.2
		6-120×1200-4700×3000-26000	
	13MNNIMOR	6-150×1200-4700×3000-26000	GB 713.2
	A387 GR.11/GR.12/GR.22	6-100×1200-4700×3000-26000	A387
	Q245R-HIC、Q345R-HIC	8-40×1200-4700×3000-26000	GB 713.2
	A516 GR.60/65/70-HIC	8-40×1200-4700×3000-26000	A516
	Q490RW	10-36×1200-4700×3000-26000	GB 713.6
	Q490SE、Q690SE、SX610CF、SX780CF	6-80×1200-4700×3000-26000	协议
	5NI、7NI、9NI	5-50×1200-4700×3000-26000	协议
	3.5NI	10-100×1200-4700×3000-26000	协议
	SPV490	10-60×1200-4700×3000-26000	JIS G 3115
	Q235HR、Q265HR、Q295HR、Q355HR	6-120×1200-4700×3000-26000	NB/T 20005.7
	P235GH、P265GH、P295GH、P355GH	6-120×1200-4700×3000-26000	EN 10028-2
	XG08	20-60×1200-4700×3000-26000	协议
	水电600MPa、800MPa、1000MPa	20-150×1200-4700×3000-26000	协议
桥梁及建筑结构用钢 STEEL FOR BRIDGE AND BUILDING STRUCTURES	Q345QC/D/E	6-150×1200-4700×3000-26000	GB/T 714
	Q370QC/D/E	6-100×1200-4700×3000-26000	
	Q345QC/D/E、Q370QD/E、 Q420QD/E/F、Q500QD/E/F	6-100×1200-4700×3000-26000	
	Q345QC/D、Q370QC/D	6-64×1200-4700×3000-26000	TB／T 3556
	Q345QC/D、Q370QC/D/E	6-64×1200-4700×3000-26000	
	Q345QC/D/E、Q370QC/D/E、 Q420QD/E、Q500QD/E	6-64×1200-4700×3000-26000	
	A709 GR.36、A709 GR.50、A709 QST70	6-100×1200-4700×3000-26000	ASTM A709
	HSB380、HSB380L	6-100×1200-4700×3000-26000	KS D 3868

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
桥梁及建筑结构用钢 STEEL FOR BRIDGE AND BUILDING STRUCTURES	Q355GJB/C/D/E	6-120×1200-4700×3000-26000	GB/T 19879
	Q390GJB/C/D/E、Q420GJB/C/D/E	6-120×1200-4700×3000-26000	
	Q460GJB/C/D/E	6-120×1200-4700×3000-26000	
	SN400A/B、SN490B	6-100×1200-4700×3000-26000	JIS G 3136
	SN400C、SN490C	16-100×1200-4700×3000-26000	
	SN275A/B/C、SN355B/C	6-100×1200-4700×3000-26000	KS D 3861
	Q345QD/E/FNH	6-150×1200-4700×3000-26000	GB/T 714
	Q370QD/E/FNH、Q420QD/E/FNH、 Q460QD/E/FNH、Q500QD/E/FNH	6-100×1200-4700×3000-26000	
	Q345QD/ENH、Q370QD/ENH、Q420QD/ ENH、Q460QD/ENH、Q500QD/ENH	6-64×1200-4700×3000-26000	TB／T 3556
	A709 50W、A709 HPS50W、A709 HPS70W	6-100×1200-4700×3000-26000	ASTM A709
	A588 GR.A/B/C/K	6-120×1200-4700×3000-26000	ASTM A588
	HSB380W	6-100×1200-4700×3000-26000	KS D 3868
	316L+Q370QD、321+Q370QE	(1-4)+(6-40)×1200-4700×3000-26000	GB/T 8165
模具模架用钢 STEEL FOR MOULDS AND MOLD BASES	35~55	8-300×1200-4700×3000-26000	GB/T 711
	S35C~S55C	8-300×1200-4700×3000-26000	JIS G 4051
	YGHM45、YGHM50	8-300×1200-4700×3000-26000	协议
	VRN200、SAE1045	8-300×1200-4700×3000-26000	协议
	20CR、40CR	15-300×1200-4700×3000-26000	协议
	P20、P20L	15-160×1200-4700×3000-26000	协议
	1.2311、1.2311H	15-160×1200-4700×3000-26000	协议
	718H、738H	15-160×1200-4700×3000-26000	协议
	42CRMO、SCM440	6-200×1200-4700×3000-26000	协议
管线用钢 STEEL FOR PIPELINES	A234 WPB	8-40×1200-4700×3000-26000	ASTM A234
	GR.B、X42-X56	8-40×1200-4700×3000-26000	API 5L
	X60-X80	10-40×1200-4700×3000-26000	
	L245-L390	8-40×1200-4700×3000-26000	GB/T 9711
	L415-L555	10-40×1200-4700×3000-26000	
	WPHY42-70	10-60×1200-4700×3000-26000	ASTM A860
		10-60×1200-4700×3000-26000	

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
管线用钢 STEEL FOR PIPELINES	WFHY360-485	10-60×1200-4700×3000-26000	协议
	GR.BMS、GR.BNS、X52MS	8-40×1200-4700×3000-26000	协议
	X60MS、X65MS	10-40×1200-4700×3000-26000	协议
	L245MH-L415MH	8-40×1200-4700×3000-26000	协议
	L245MC-L450MC	8-40×1200-4700×3000-26000	协议
拉丝盘条 DRAWING WIRE	Q195-Q235	5.5-16	GB/T 701
	Q195L	5.5-16	协议
	SWRM12K	5.5-12	协议
建筑盘条 CONSTRUCTION WIRE ROD	HPB300	6-16	GB/T 1499.1
	HRB400、HRB400E	6-16	GB/T 1499.2
	ASTM A615 GR.40	8-12.7	协议
	ASTM A706 GR.60	6-12.7	协议
	ASTM A615 GR.60		
低碳外贸 LOW CARBON FOR EXPORT	SAE1006-SAE1021、	5.5-16	ASTM A510
盘条 WIRE ROD	SAE1006B-SAE1012B、 SAE1006KI-SAE1008KI		协议
	SAE1022		ASTM A510
	SAE1026		协议
优碳盘条 HIGH CARBON	35、40、50、55、60、65	5.5-6.5	GB/T 4354 协议
	45	5.5-12	协议
	70、SWRH82B-CR	5.5-12	GB/T 4354、协议 JIS G 3506
	75	6.5-8	协议
	SAE1080	5.5-8	ASTM A510
	80	5.5-10	GB/T4354
	SAE1045	5.5-12.5	ASTM A510
	SAE1050、SAE1055、SAE1060、 SAE1065、SAE1070	5.5-6.5	ASTM A510 协议
	SAE1070B	5.5-10	协议
	SAE1080B	6.5-10	协议

产品名称 PRODUCT NAME	牌号 GRADE	规格MM SPECIFICATIONS MM	执行标准 EXECUTION STANDARDS
优碳盘条 HIGH CARBON	SWRH42A、SWRH52A、SWRH62A	5.5-6.5	JIS G 3506 协议
	SWRH72A、SWRH82A	5.5-10	协议
	SWRH42B、SWRH42B-B、SWRH47B、 SWRH52B SWRH57B-B、SWRH62B、 SWRH62B-B、SWRH67B、SWRH67B-B、	5.5-6.5	JIS G 3506 协议
	SWRH72B-B		
	SWRH72B	5.5-12	协议
	SWRH82B	5.5-11	JIS G 3506
	SWRH82B-B	8	JIS G 3506
预应力钢丝及钢绞线用盘条 ROD FOR PRESTRESSED STEEL WIRE AND STRAND	YL77B	8-12.5	GB/T 24238 协议 协议
	YL82B	10-13	GB/T 24238 协议
	30MNSI	5.5-12	GB/T 24587 协议
	30MNSI、30MNSI-X	6.5-14	协议
PC钢棒用盘条 ROD FOR PC STEEL BAR	30MNSI、45SI2CR	8-14	MS 2705 协议 协议
	UB30MN	8-12	协议
焊接盘条 WELDING ROD	ER70S-6、ER50-6、H08A、H08MN、 H10MN2、EM12K、SWRY11、SWRY11B	5.5-6.5	协议
	H08A、H08MNA	5.5-6.5	GB/T 3429
弹簧钢盘条 SPRING STEEL ROD	70T	5.5-12	协议 协议
	60、65、70 SAE1070	5.5-6.5	协议
	65MN 60SI2MN	5.5-6.5	协议
冷镦钢盘条 COLD HEADING STEEL ROD	ML08AL	5.5-16	协议
	SWRCH22A	5.5-14	协议
	10B21	6.5-14	协议
帘线钢盘条、胎圈钢盘条 TIRE CORD STEEL ROD, BEAD WIRE ROD	LX70A、LX80A、C72DA、C82DA、70TQ	5.5-6.5	协议

10 行业应用

INDUSTRY APPLICATIONS

01 船舶海工

SHIPBUILDING & OFFSHORE ENGINEERING

船舶海工钢是按照船级社规范等标准生产、用于建造船舶和海上平台等的中厚板。目前船舶海工钢板已通过中国、美国、挪威、英国、俄罗斯等10国船级社的工厂认证。

Shipbuilding and offshore engineering steel plates are medium and heavy plates produced according to classification society rules and other standards for building ships and offshore platforms. Currently, shipbuilding and offshore plates have obtained factory certifications from 10 classification societies including China, USA, Norway, UK, Russia, etc.



27.3万m³ LNG船

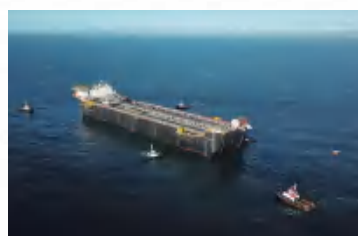
273,000 m³ LNG Carrier



10800PCTC车辆运输船
10800 PCTC (Pure Car and Truck Carrier)



24000TEU超大型集装箱船
24000 TEU Ultra-Large Container Ship



P83 FPSO(浮式生产储油卸油装置)
P83 FPSO (Floating Production Storage and Offloading Unit)



30.6万吨VLCC超大型油轮
306,000 DWT VLCC (Very Large Crude Carrier)



40万吨矿砂船

400,000 DWT Ore Carrier

02 风电用钢

STEEL FOR WIND POWER

风力发电用结构钢板主要用于制造风机设备、风电塔筒、法兰和门框等。

Structural steel plates for wind power generation are mainly used for manufacturing wind turbine equipment, wind tower sections, flanges, door frames, etc.

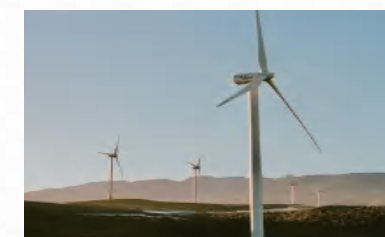


大连普兰店风电项目

Dalian Pulandian Wind Power Project



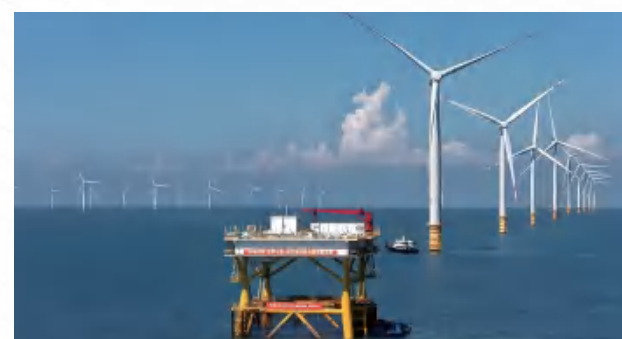
明阳金山海上风电管桩项目
Mingyang Jinshan Offshore Wind Power Pile Project



远景能源阿塞拜疆出口项目
Envision Energy Azerbaijan Export Project



三峡新能源大连市庄河海上风电场项目
Three Gorges New Energy Dalian Zhuanghe Offshore Wind Farm Project



国电投山东乳山U场址二期海上风电项目
SPIC Shandong Rushan U-Site Phase II Offshore Wind Power Project



华电丹东东港一期100万千瓦海上风电项目
Huadian Dandong Donggang Phase I 1,000 MW Offshore Wind Power Project

03 工程及矿山机械用钢

STEEL FOR ENGINEERING & MINING MACHINERY

工程及矿山机械钢板主要用于汽车吊、履带吊、挖掘机、装载机、煤矿液压支架、刮板运输机、矿山重型车辆等。

Engineering and mining machinery steel plates are mainly used for truck cranes, crawler cranes, excavators, loaders, coal mine hydraulic supports, scraper conveyors, mining heavy-duty vehicles, etc.



履带起重机

Crawler Crane



液压支架

Scraper Conveyor



轨道式门式起重机

Rail-mounted Gantry Crane



煤矿液压支架

Coal Mine Hydraulic Support



矿用车辆

Mining Vehicle



刮板运输机

Scraper Conveyor



大型采煤装备

Large-scale Coal Mining Equipment

04 锅炉和压力容器用钢

STEEL FOR BOILERS & PRESSURE VESSELS

锅炉压力容器钢板主要用于制造锅炉、石化设备、储罐等,

Boiler and pressure vessel steel plates are mainly used for manufacturing boilers, petrochemical equipment, storage tanks, etc.



球罐

Spherical Tank



锅炉汽包

Boiler Drum



石化设备

Petrochemical Equipment



大型原油储罐

Large Crude Oil Storage Tank



大型原油储罐

Large Crude Oil Storage Tank



石化设备

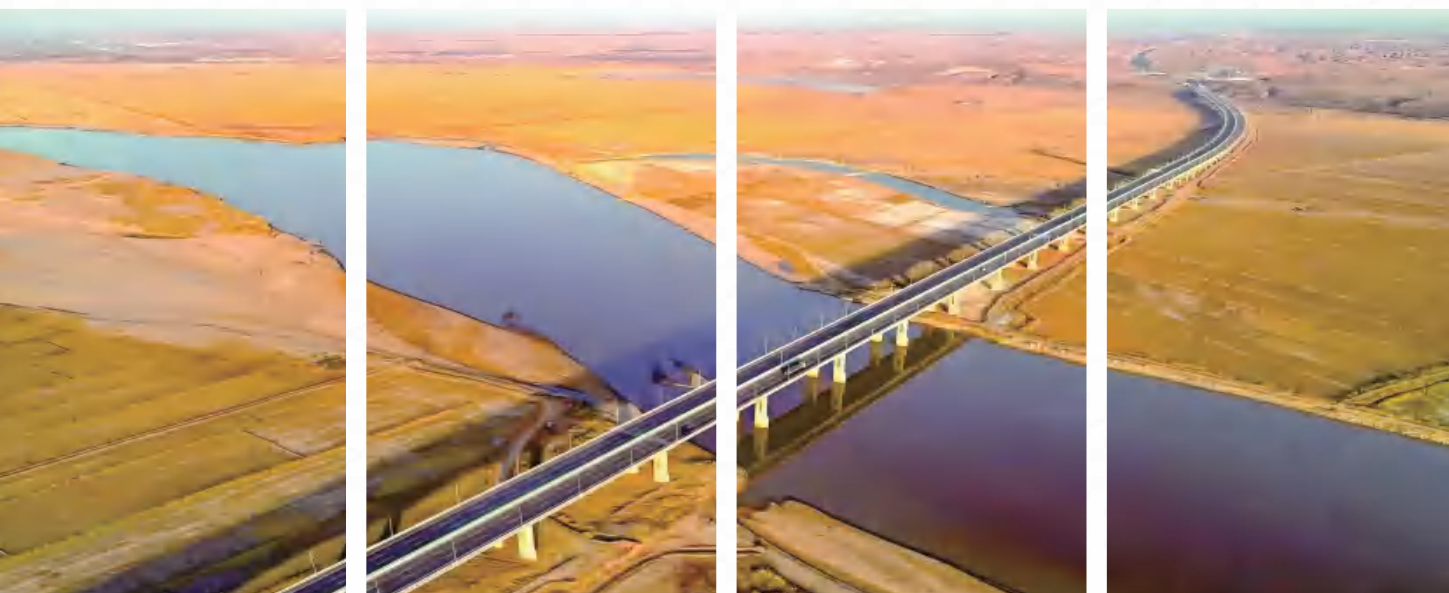
Petrochemical Equipment

05 桥梁及建筑结构用钢

STEEL FOR BRIDGES & BUILDING STRUCTURES

桥梁及建筑结构钢板主要用于建造铁路桥梁、公路桥梁、城市立交桥以及高层、超高层、大空间建筑等, 包含具备耐候耐蚀性能的钢板。

Bridge and building structural steel plates are mainly used for constructing railway bridges, highway bridges, urban overpasses, as well as high-rise, super high-rise, and large-space buildings, including plates with weather-resistant and corrosion-resistant properties.



银川黄河大桥

Yinchuan Yellow River Bridge



齐鲁黄河大桥

Qilu Yellow River Bridge

雄安高铁站

Xiong'an High-Speed Railway Station



长清黄河公路大桥

Changqing Yellow River Highway Bridge



孟加拉国帕德玛 (PADMA) 大桥

Bangladesh Padma Bridge



迪拜地铁

Dubai Metro



丽香铁路大桥

Lixiang Railway Bridge



牛田洋大桥

Niutianyang Bridge

06 模具模架

MOLDS & MOLD BASES

塑料模具钢板要求具备优良的内部质量、硬度值及硬度均匀性,适合于制作塑料行业的模具及模架:产品主要供应华南及华东地区模具加工厂

Plastic mold steel plates require excellent internal quality, hardness value, and hardness uniformity, suitable for making molds and mold bases in the plastics industry; products are mainly supplied to mold processing factories in South China and East China.

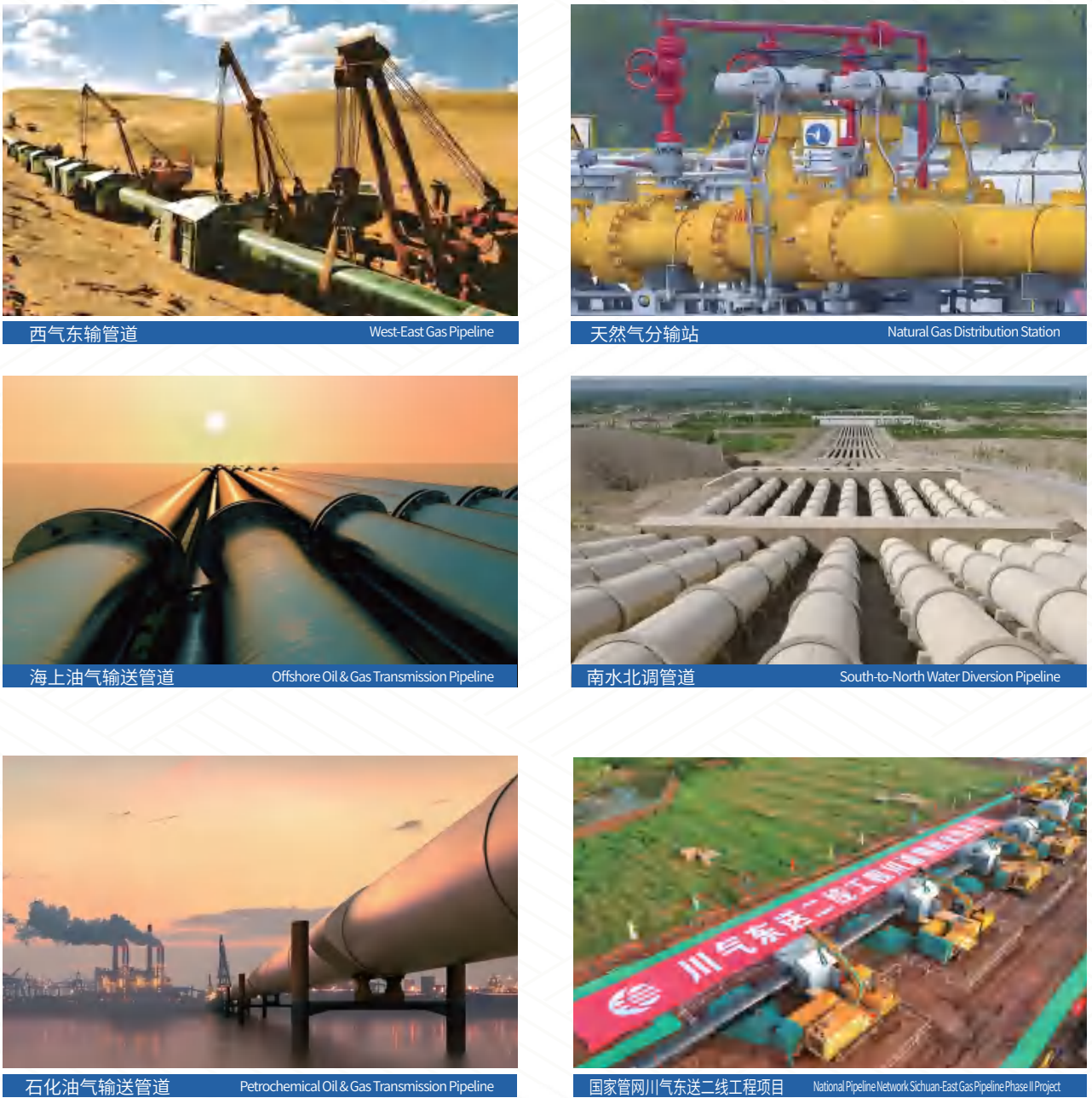


07 管线用钢

STEEL FOR PIPELINES

管线钢板主要用于制造石油、天然气输送管道及石化设备钢管。管线钢板在使用过程中除要求具有较高的耐压强度外,还要求具有良好的低温韧性、抗氢致裂纹及抗硫化物应力腐蚀开裂性能和优异的焊接性能。

Pipeline steel plates are mainly used for manufacturing oil, natural gas transmission pipelines, and petrochemical equipment steel pipes. In addition to requiring high pressure resistance, pipeline steel plates also require good low-temperature toughness, resistance to hydrogen-induced cracking and sulfide stress corrosion cracking, and excellent weldability.



08 特殊用途钢板

STEEL PLATES FOR SPECIAL PURPOSES

特殊用途钢板主要用于核电、锯片、合金结构件、不锈钢复合结构件等领域。

Steel plates for special purposes are mainly used in fields such as nuclear power, saw blades, alloy structural components, stainless steel clad structural components, etc.



核电

Nuclear Power



锯片

Saw Blade



不锈钢复合板

Stainless Steel Clad Plate



合金结构件

Alloy Structural Component

09 耐候耐蚀钢板

WEATHERING & CORROSION RESISTANT PLATES

耐候耐蚀钢板具有良好的耐大气腐蚀或耐海水腐蚀性能, 在应用领域上具有一定的通用性, 该类钢也主要用于要求有耐大气腐蚀性能的桥梁、建筑、塔架等焊接结构件, 在钢结构领域有良好的应用前景, 代表着钢结构领域用钢的发展方向。

Weathering and corrosion resistant steel plates have good atmospheric or seawater corrosion resistance and possess certain versatility in application fields. These steels are also mainly used for welded structural components like bridges, buildings, and towers requiring atmospheric corrosion resistance, showing good application prospects in the steel structure field and representing the development direction of steel for steel structures.



芜湖二桥

Wuhu Second Bridge



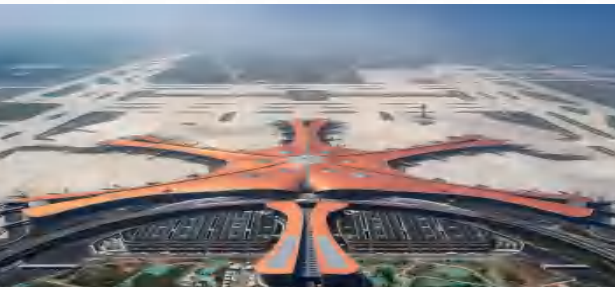
沈康高速公路

Shenkang Expressway



平镇高速工程

Pingzhen Expressway Project



北京首都新机场

Beijing Daxing International Airport



武汉青山长江大桥

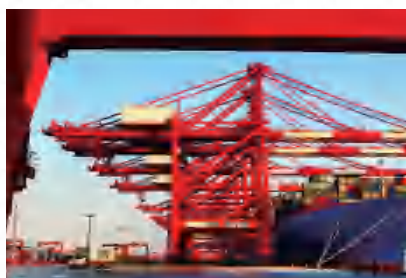
Wuhan Qingshan Yangtze River Bridge

10 低合金高强度结构钢板

HIGH-STRENGTH LOW-ALLOY STRUCTURAL STEEL PLATES

此类钢应用广泛, 目前已和国内外众多用户建立了长期友好合作关系, 产品供应中国第一重型机械股份公司、常州宝菱重工机械有限工程、哈尔滨电机厂有限责任公司、大连华锐重工集团股份有限公司、大连临港机械装备制造有限公司、上海振华重工(集团)股份有限公司、太原重工股份有限公司等。

This type of steel is widely used. Long-term friendly cooperative relationships have been established with numerous domestic and international users. Products are supplied to companies such as China First Heavy Industries Co., Ltd., Changzhou Baoying Heavy Industry Machinery Co., Ltd., Harbin Electric Machinery Company Limited, Dalian Huarui Heavy Industry Group Co., Ltd., Dalian Lingang Machinery Equipment Manufacturing Co., Ltd., Shanghai Zhenhua Heavy Industries Co., Ltd., Taiyuan Heavy Industry Co., Ltd., etc.



港口机械

Port Machinery



起重设备

Lifting Equipment



电铲设备

Electric Shovel Equipment



冶金设备

Metallurgical Equipment



电机设备

Electric Motor Equipment



水电设备

Hydropower Equipment

11 线材

WIRE ROD



斜拉索桥用绞线

Strand for Cable-Stayed Bridges



渔业电梯绳

Fishing Elevator Rope



焊机

Welding Machine