Shandong Xin Wugang Steel

STEEL COIL/STRIP PRODUCT CATALOG

- High Strength
- Corrosion Resistant
- Reliable Supply

Premium Industrial Metal Solutions

About us.

山东鑫武钢铁有限公司是一家综合性钢铁企业，深耕钢铁行业多年，依托完善的产业链布局、先进的生产装备、严苛的质量体系和贴心的全域服务，稳步发展为具有竞争力与口碑的标杆型钢铁企业，广泛服务于基建工程、机械制造、汽车工业、钢结构等多个核心领域。公司秉持客户至上、诚信为本、服务为先的经营宗旨，打造一站式全周期贴心服务体系。持续为客户提供高品质钢铁产品与一站式优质服务，致力于打造国内一流的现代化钢铁综合服务商与各界合作伙伴携手共赢、共创未来!

Shandong Xinwugang Steel Co., Ltd. is a comprehensive iron and steel enterprise with years of profound experience in the steel industry. Backed by a complete industrial chain layout, advanced production equipment, stringent quality management systems and thoughtful all-round services, we have steadily grown into a benchmark steel enterprise with strong competitiveness and a solid reputation. Our products widely serve a host of core sectors including infrastructure engineering, machinery manufacturing, automobile industry and steel structure construction.

Adhering to the business tenets of "customer supremacy, integrity-based operation and service first", the company has built a one-stop full-cycle considerate service system. We consistently supply high-quality steel products and all-in-one premium services to clients, and strive to become a first-class modern comprehensive steel service provider nationwide. We look forward to win-win cooperation and a shared bright future with all partners from all walks of life!

The most dynamic enterprise
and leader in the steel trading industry.

最具活力企业，钢铁贸易行业的领导者。



CARBON STEEL COIL

Product Description

♦ HOT-ROLLED STEEL COIL






Description-Hot-Rolled Steel Coil:

Standard: GB/T 709、ASTM A635、EN 10111、JIS G3131

Grade: Q195、Q235B、Q355B、SPHC、SPHD、SPHE、A36、A1011 Grade 36、A1018 Gr.B、S235JR、S275JR、S355JR、DD11、DD12、DD13、SS330、SPHC、SPHD

Thickness: 1.5mm ~ 25.0mm

Width: 950/1000/1250/1500mm

Core inner diameter: 508mm / 610mm

Single roll weight: 8-32 tons, can be divided into small rolls as needed

Application: Steel structure processing, container frame, stamping parts, agricultural machinery accessories, pipeline manufacturing, iron tower support, mechanical base, guardrail enclosure, scaffold raw materials

♦ COLD-ROLLED STEEL COIL





Description-Cold-Rolled Steel Coil:

Standard: GB/T 708、ASTM A1008、EN 10130、JIS G3131

Grade: SPCC、SPCD、SPCE、Q195、Q235、A1008 CS Type A/B/C、DC01、DC03、DC04、DC05、DC06、SPCC、SPCD、SPCE

Thickness:0.15mm ~ 3.0mm

Width: 1000/1250/1500mm

Core inner diameter: 508mm **Single roll weight**: 3-15 tons

Application: Home appliance casings (refrigerator/washing machine/air conditioning back-boards), metal stamping, furniture accessories, precision shells, automotive parts, filing cabinets, toolboxes, metal packaging boxes

CARBON STEEL STRIP







Description-Carbon Steel Strip:

Standard: GB/T 3522、EN 10111、ASTM A635

Grade: Q195、Q235B、Q355B、SPHC、SPHD、SPHE、SPCC、SPCD、SPCE、Q195、Q235、A36、A1011 Grade 36、A1018 Gr.B、A1008 CS Type A/B/C、S235JR、S275JR、S355JR、DD11、DD12、DD13、DC01、DC03、DC04、DC05、DC06、SS330、SPHC、SPHD、SPCC、SPCD、SPCE

Thickness: 0.2~20mm

Strip width: 10mm~1240mm (precise cutting as needed)

Source of substrate: Hot rolled coil/cold rolled coil longitudinal cutting strip

Application: Packaging steel strip, hose steel strip, stamping narrow parts, spring steel strip, pipe wrapping steel strip, hardware buckle, cable steel strip, door and window profile lining strip

Detailed specifications

1.Core specification parameters

产品类型 Type	厚度范围(mm) Thickness range	宽度范围(mm) Width range	单卷重量(t) Single roll weight	常规内径(mm) Conventional inner diameter	公差标准 Tolerance standard
热轧碳钢卷 Hot rolled carbon steel coil	3.0 - 12.0	600 - 2000	3 - 20	508/610	GB/T 700 JIS G3101
热轧酸洗涂油卷 Hot rolled acid washe coated coil	1.5 - 8.0	600 - 1800	3 - 18	508/610	GB/T 13237
冷轧碳钢卷 Cold rolled carbon steel coil	0.1 - 6.0	600 - 1800	2 - 15	508	GB/T 11253 EN 10130

Conventional mainstream specifications: thickness 1.0mm, 1.5mm, 2.0mm, 3.0mm, 5.0mm; Width 1000mm, 1250mm, 1500mm, 1800mm, can be processed by slitting, flattening, and trimming as needed.

2.Chemical composition (core element standard values)

牌号 Grade	碳C(%)≤	锰Mn(%)≤	硅Si(%)≤	磷P(%)≤	硫S(%)≤	执行标准 Execution Standard
Q235B	0.22	0.65	0.30	0.045	0.050	GB/T 700
Q355B	0.24	1.60	0.55	0.040	0.040	GB/T 1591
SPHC	0.15	0.60	0.03	0.040	0.040	JIS G3131
SPCC	0.15	0.60	0.03	0.040	0.040	JIS G3131
DC01	0.12	0.60	0.03	0.045	0.045	EN 10130
SS400	0.21	1.50	0.35	0.045	0.045	JIS G3101

3.Mechanical performance parameters

牌号 Grade	屈服强度MPa≥ Yield strength	抗拉强度MPa Tensile strength	断后伸长率%≥ Post fracture elongation	适用特性 Applicable characteristics
Q235B	235	370 - 500	26	通用结构、韧性优良、易加工 Universal structure, excellent toughness, easy to process
Q355B	355	470 - 630	21	高强度、重载结构专用 Special for high-strength and heavy-duty structures
SPHC	235	270 - 410	30	热轧冲压专用、塑性极佳 Specially designed for hot rolling and stamping, with excellent plasticity
SPCC	210	270 - 430	32	冷轧通用、表面光洁、可浅冲 Cold rolling universal, smooth surface, shallow punching capability
DC01	210	270 - 410	33	冷轧精密加工、钣金专用 Cold rolling precision machining, sheet metal special
SS400	245	400 - 510	21	日标通用结构钢、性能稳定 Japanese standard universal structural steel with stable performance

STAINLESS STEEL COIL

Product Description

♦ STAINLESS STEEL COIL





Description- Stainless Steel Coil :

Standard: GB/T 4237、ASTM A240/A480、EN 10088、JIS G4305

Grade: ①European standards: 1.4301, 1.4307, 1.4306, 1.4305, 1.4311, 1.4310, 1.4319, 1.4401, 1.4404, 1.4432, 1.4438, 1.4541, 1.4828, 1.4845, 1.4372, 1.4373, 1.4016, Etc

②EN complete chemical grade: X5CrNi18-10、X2CrNi18-9、X2CrNi19-11、X8CrNis18-9、X2CrNiN18-10、X10CrNi18-8、X5CrNi17-7、X5CrNiMo17-12-2、X2CrNiMo17-12-3、X2CrNi-Mo18-15-4、X6CrNiTi18-10、X15CrNiSi20-12、X12CrNi25-21, Etc

③AISI American standard: 304, 304 L、304L、303、304N、301、316、316L、317L、321、309S、310S、201、202、430、409L、410S、410、420、420J2、2205、2507、904L、630

④Japanese Standard SUS: SUS304、SUS304L、SUS303、SUS304N1、SUS301、SUS316、SUS316L、SUS317L、SUS321、SUS309S、SUS310S、SUS201、SUS202、SUS430、SUS409L、SUS410S、 SUS410、SUS420J1、SUS420J2

⑤National standard GB grade: 06 Cr19Ni10、022Cr19Ni10、Y06Cr19Ni10、022Cr19Ni10N、1Cr17Ni7、06Cr17Ni12Mo2、022Cr17Ni12Mo2、022Cr17Ni13Mo3、022Cr19Ni13Mo4、06Cr18Ni11Ti、06Cr23Ni13、06Cr25Ni20、1Cr17Mn6Ni5N、06Cr17、 022Cr11Ti、022Cr12Ni、06Cr13、12Cr13、20Cr13、30Cr13、022Cr22Ni5Mo3N、022Cr25Ni7Mo4N、022Cr25Ni7Mo4CuN

Divided by process size:

1) Hot rolled stainless steel coil (No.1 surface)

Thickness: 3-14mm; Width: 1250/1500mm; Roll Weight: 5-25t

2) Cold rolled stainless steel coil (2B/BA/HL/NO.4)

Thickness: 0.2~3.0mm; Standard Width: 1000/1219/1250/1500mm

Application: Chemical equipment tanks, water supply pipelines, kitchen and bathroom products, curtain wall decoration, food processing equipment, seawater anti-corrosion equipment, pressure vessels, boiler linings

Product Description

◆ STAINLESS STEEL PRECISION STRIP





Description- Stainless Steel Precision Strip :

Standard: ASTM A666、GB/T 4239、EN 10088

Grade: ①European standards: 1.4301, 1.4307, 1.4306, 1.4305, 1.4311, 1.4310, 1.4319, 1.4401, 1.4404, 1.4432, 1.4438, 1.4541, 1.4828, 1.4845, 1.4372, 1.4373, 1.4016, Etc

②EN complete chemical grade: X5CrNi18-10、X2CrNi18-9、X2CrNi19-11、X8CrNis18-9、X2CrNiN18-10、X10CrNi18-8、X5CrNi17-7、X5CrNiMo17-12-2、X2CrNiMo17-12-3、X2CrNi-Mo18-15-4、X6CrNiTi18-10、X15CrNiSi20-12、X12CrNi25-21, Etc

③AISI American standard: 304, 304 L、304L、303、304N、301、316、316L、317L、321、309S、310S、201、202、430、409L、410S、410、420、420J2、2205、2507、904L、630

④Japanese Standard SUS: SUS304、SUS304L、SUS303、SUS304N1、SUS301、SUS316、SUS316L、SUS317L、SUS321、SUS309S、SUS310S、SUS201、SUS202、SUS430、SUS409L、SUS410S、 SUS410、SUS420J1、SUS420J2、

⑤National standard GB grade: 06 Cr19Ni10、022Cr19Ni10、Y06Cr19Ni10、022Cr19Ni10N、1Cr17Ni7、06Cr17Ni12Mo2、022Cr17Ni12Mo2、022Cr17Ni13Mo3、022Cr19Ni13Mo4、06Cr18Ni11Ti、06Cr23Ni13、06Cr25Ni20、1Cr17Mn6Ni5N、06Cr17、 022Cr11Ti、022Cr12Ni、06Cr13、12Cr13、20Cr13、30Cr13、022Cr22Ni5Mo3N、022Cr25Ni7Mo4N、022Cr25Ni7Mo4CuN

Precision dimensions:

Thickness: 0.03mm~2.0mm (ultra-thin precision grade can reach 0.01mm)

Strip width: 3mm~1200mm, tolerance ± 0.01mm; can be deburred, rounded, and polished

Surface options: 2B, BA mirror, brushed, etched substrate

Application: Electronic shrapnel, mobile phone battery steel strip, precision instrument gasket, corrugated tube material, cable armor tape, medical device parts, sensor substrate, buckle spring

Detailed specifications

Mainstream brand performance parameters

1.Chemical composition (core element standard values)

材质牌号 Material Grade	C≤	Si≤	Mn≤	P≤	S≤	Cr	Ni	Mo
201	0.15	1.00	5.50-7.50	0.050	0.030	16.00-18.00	3.50-5.50	—
304	0.08	1.00	2.00	0.045	0.030	18.00-20.00	8.00-11.00	—
304L	0.030	1.00	2.00	0.045	0.030	18.00-20.00	8.00-12.00	—
316	0.08	1.00	2.00	0.045	0.030	16.00-18.00	10.00-14.00	2.00-3.00
316L	0.030	1.00	2.00	0.045	0.030	16.00-18.00	10.00-14.00	2.00-3.00
321	0.08	1.00	2.00	0.045	0.030	17.00-19.00	9.00-12.00	—
310S	0.08	1.50	2.00	0.045	0.030	24.00-26.00	19.00-22.00	—
309S	0.08	1.00	2.00	0.045	0.030	22.00-24.00	12.00-15.00	—
2507 双相钢	0.030	0.80	1.20	0.035	0.020	24.00-26.00	6.00-8.00	3.00-5.00

2.Mechanical performance parameters

牌号 Grade	屈服强度Rp 0.2(MPa)≥ Yield strength	抗拉强度Rm (MPa)≥ Tensile strength	伸长率%≥ Elongation	硬度 Hardness	核心性能特点 Core performance characteristics
304	205	515	40	201	拉伸好、通用性强、适合冲压钣金 Stretching well, versatile, suitable for stamping sheet metal
304L	170	485	40	201	低碳抗晶蚀，焊接不开裂，适合深加工 Low carbon anti crystal corrosion, no cracking during welding, suitable for deep processing
316L	170	485	40	201	耐酸碱、抗氯离子、海水环境适配 Acid and alkali resistance, chloride ion resistance, and adaptability to seawater environment
321	205	515	40	201	耐高温稳定、抗晶间腐蚀 High-temperature resistant and stable, resistant to intergranular corrosion
310S	205	520	40	217	超高温抗氧化，耐热卷材专用 Ultra high temperature anti-oxidation, heat-resistant coil material special
2205	450	620	25	293	高强度、耐点蚀、耐应力腐蚀 High strength, pitting corrosion resistance, stress corrosion resistance
430	205	450	22	183	经济抗氧化，家电装饰优选 Economic antioxidant, preferred for home appliance decoration

GALVANIZED & COLOR COATED STEEL COIL

Product Description

♦ GALVANIZED STEEL COIL - GI





Description- Galvanized Steel Coil - GI :

Standard: EN 10346、ASTM A653/A653M、JIS G3302、GB/T 2518、ISO 1461

Grade:

①DX51D+Z, DX52D+Z, DX53D+Z, DX54D+Z, DX55D+Z, DX56D+Z

②ASTM A653 / A653M、CS Type A、CS Type B、CS Type C、DS Type A、DS Type B

③SPHC+Z, SPCC+Z, SPCD+Z, SPCE+Z

④Q195+Z, Q235+Z, Q355+Z; DC01+Z / DC03+Z / DC04+Z / DC05+Z

Zinc layer with complete weight and optional specifications:

Single/double-sided customizable, standard double-sided labeling:

Z30、Z40、Z60、Z80、Z100、Z120、Z140、Z180、Z200、Z220、Z275、Z350 g/ ㎡

Special thickening and anti-corrosion can be customized for Z450 and Z600

Zinc flower process: Regular Spangle 、Minimal Spangle 、Zero Spangle 、Skin Pass

Dimensional parameters:

Thickness: 0.15mm~3.0mm; Conventional mainstream thickness

0.2/0.25/0.3/0.35/0.4/0.5/0.6/0.7/0.8/1.0/1.2/1.5/2.0/2.5/3.0mm

Standard widths: 914mm, 1000mm, 1219mm, 1250mm; Can be longitudinally cut and divided into any narrow width

Core inner diameter: 508mm (standard), optional 610mm; single roll weight 3-15 tons

Surface treatment: Passivation、Oiled、CR Free、Anti-fingerprint AF

Application: Light steel keel, fire ventilation duct, refrigerator, washing machine, air conditioning, home appliance backboard shell, solar photovoltaic bracket, factory C/Z-shaped steel purlin, metal stamping buckle/toolbox, livestock and poultry breeding greenhouse steel structure, highway wave-form guardrail substrate, cable tray, simple assembly house enclosure board

Product Description

GALVALUME STEEL COIL - GL







Description- Galvalume Steel Coil - GL :

Standard: ASTM A792、JIS G3321、GB/T 14978、EN 10346、ISO 17715

Grade:

①European standard EN10346: DX51D+AZ, DX52D+AZ, DX53D+AZ, DX54D+AZ, DX55D+AZ, DX56D+AZ

②ASTM A792/A792M: CS A/B/C; DS A/B ； DDS； EDDS； SS Grade 33/40/50

③Japanese standard JIS G3321: SPCC+AZ, SPCD+AZ, SPCE+AZ

④National standard GB/T 14978: DC01+AZ~DC05+AZ, Q235+AZ, Q355+AZ

Coating standard&weight in grams:

Standard coating ratio: 55% Al+43.4% Zn+1.6% Si

Common coating identification: AZ50, AZ70, AZ100, AZ150 g/㎡, up to AZ200 can be customized

Equipped with self-healing and anti-corrosion capabilities, the salt spray resistance time is 2-5 times longer than that of ordinary GI galvanized sheet

Dimensional parameters:

Thickness: 0.18mm~2.5mm; Mainstream commonly used 0.2~1.5mm

Standard width: 914/1000/1219/1250mm, supports slitting and flat slicing

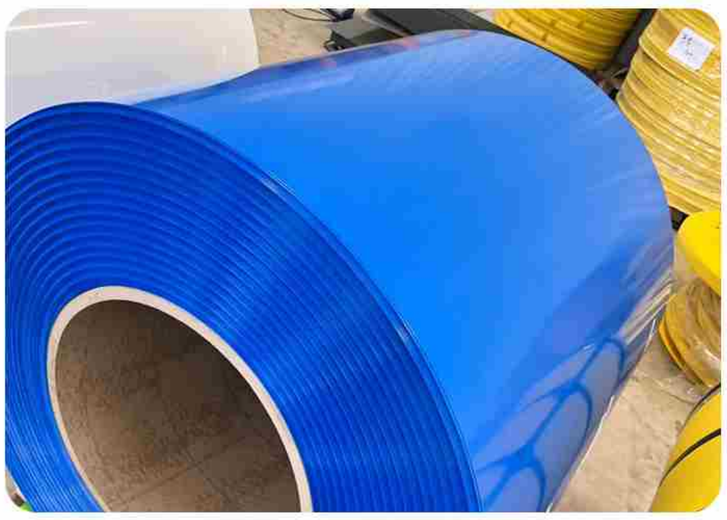
Roll core 508mm, capable of fingerprint resistance, chromium free passivation, oil coating and rust prevention treatment

Application: Roofs and walls of factories in coastal high salt spray areas, photovoltaic module back-boards and support baseplates, outdoor electrical equipment chassis shells, anti-corrosion enclosure structures for chemical plants, container side panels and roofs, grain storage roofs, solar water heater shells, outdoor billboard substrates

Product Description

PREPAINTED STEEL COIL - PPGI/PPGL







Description- Prepainted Steel Coil - PPGI/PPGL :

Standard: ASTM A755/A755M、JIS G3312、GB/T 12755、EN 10169

Grade: DX51D+Z、DX52D+Z、DX53D+Z、DX54D+Z、DX55D+Z、DX56D+Z、
CS/DS/DDS/EDDS/SS Gr33/40/50+Z coating、SPCC+Z, SPCD+Z, SPCE+Z
DX51D+AZ、DX52D+AZ、DX53D+AZ、DX54D+AZ、DX55D+AZ、DX56D+AZ
ASTM A792 substrate+pre painted

Mainstream coating system:

PE Polyester - Cost effective basic model, outdoor weather resistance of 5-8 years, universal for conventional factory buildings and enclosures

SMP Silicon Modified Polyester - Weather resistant for 10-15 years, better anti powdering than PE, commonly used in roof construction

HDP High Durability Polyester - Outdoor weather resistance for 15-20 years, designed for strong UV areas and photovoltaic roofs

PVDF Polyvinylidene Fluoride - Top grade anti-corrosion and weather resistance for 25-30 years, suitable for coastal, chemical corrosion environments, and high-end curtain walls

International standard for paint film thickness:

Front topcoat: 18-25 μ m; Back primer: 5-10 μ m; Customizable thickened coating

Color System: RAL International Color Card Full Color Series (RAL1000~RAL9018), available in customized colors, pearl colors, metallic glitter, camouflage, wood grain printing, marble printing color coated rolls

Size Specification:

Thickness: 0.12mm~1.5mm; Commonly used
0.17/0.2/0.25/0.3/0.35/0.4/0.5/0.6/0.7/0.8/1.0/1.2/1.5mm

Standard widths: 914mm, 1000mm, 1219mm, 1250mm; Support slitting, flattening, and tile pressing molding

Core inner diameter 508mm, can be coated with film to prevent scratches for export packaging

Application: Steel structure factory building exterior and interior walls and roofs, roof color steel tile raw materials, container panels, exterior wall insulation integrated decorative panels, garage rolling shutter doors, outdoor advertising buckle panels, temporary construction of activity board houses, animal husbandry shed roofs, fruit and vegetable greenhouses, traffic enclosures, electrical cabinet decorative panels

Product Selection

Color reference for corrugated board

ral 1000	ral 1001	ral 1002	ral 1003	ral 1004	ral 1005	ral 1006	ral 1007
ral 1011	ral 1012	ral 1013	ral 1014	ral 1015	ral 1016	ral 1017	ral 1018
ral 1019	ral 1020	ral 1021	ral 1023	ral 1024	ral 1027	ral 1028	ral 1032
ral 1033	ral 1034	ral 2000	ral 2001	ral 2002	ral 2003	ral 2004	ral 2008
ral 2009	ral 2010	ral 2011	ral 2012	ral 3000	ral 3001	ral 3002	ral 3003
ral 3004	ral 3005	ral 3007	ral 3009	ral 3011	ral 3012	ral 3013	ral 3014
ral 3015	ral 3016	ral 3017	ral 3018	ral 3020	ral 3022	ral 3027	ral 3031
ral 4001	ral 4002	ral 4003	ral 4004	ral 4005	ral 4006	ral 4007	ral 4008
ral 4009	ral 5000	ral 5001	ral 5002	ral 5003	ral 5004	ral 5005	ral 5007
ral 5008	ral 5009	ral 5010	ral 5011	ral 5012	ral 5013	ral 5014	ral 5015
ral 5017	ral 5018	ral 5019	ral 5020	ral 5021	ral 5022	ral 5023	ral 5024
ral 6000	ral 6001	ral 6002	ral 6003	ral 6004	ral 6005	ral 6006	ral 6007
ral 6008	ral 6009	ral 6010	ral 6011	ral 6012	ral 6013	ral 6014	ral 6015
ral 6016	ral 6017	ral 6018	ral 6019	ral 6020	ral 6021	ral 6022	ral 6024
ral 6025	ral 6028	ral 6027	ral 6028	ral 6029	ral 6032	ral 6033	ral 6034
ral 7000	ral 7001	ral 7001	ral 7002	ral 7003	ral 7004	ral 7005	ral 7006
ral 7008	ral 7009	ral 7010	ral 7011	ral 7012	ral 7013	ral 7015	ral 7016
ral 7021	ral 7022	ral 7023	ral 7024	ral 7026	ral 7030	ral 7031	ral 7032
ral 7033	ral 7034	ral 7035	ral 7036	ral 7037	ral 7038	ral 7039	ral 7040
ral 7002	ral 7043	ral 7044	ral 8000	ral 8001	ral 8002	ral 8003	ral 8004
ral 8007	ral 8008	ral 8011	ral 8012	ral 8014	ral 8015	ral 8018	ral 8017
ral 8019	ral 8022	ral 8023	ral 8024	ral 8025	ral 8028	ral 9001	ral 9002
ral 9003	ral 9004	ral 9005	ral 9010	ral 9011	ral 9016	ral 9017	ral 9018

Detailed specifications

Mainstream brand performance parameters

1.Chemical composition of substrate (DX51D standard)

化学元素 Chemical element	含量标准（质量分数） Content standard (quality score)	性能作用 Performance Function
碳（C）	≤0.12%	低碳含量保障优异的冷成型性与焊接性能，减少加工开裂 Low carbon content ensures excellent cold formability and welding performance, reducing processing cracking
锰（Mn）	≤0.60%	提升钢材强度与韧性，平衡成型性能与结构稳定性 Enhance the strength and toughness of steel, balance formability and structural stability
磷（P）	≤0.10%	严控杂质含量，避免钢材冷脆，提升低温加工性能 Strictly control impurity content, avoid steel cold brittleness, and improve low-temperature processing performance
硫（S）	≤0.045%	降低杂质缺陷，提升镀层附着力与成型性能 Reduce impurity defects, enhance coating adhesion and formability

2.Core brand mechanical performance parameters

材质牌号 Material Grade	屈服强度(MPa) Yield strength	抗拉强度(MPa) Tensile strength	延伸率(%) Elongation rate	适用加工场景 Applicable processing scenarios
DX51D+Z	140-300	270-500	≥22	通用折弯、钣金、简易成型加工 General bending, sheet metal, and simple forming processing
DX54D+Z	120-260	260-420	≥28	深冲、拉伸、复杂异形配件加工 Deep drawing, stretching, and processing of complex shaped parts
S350GD+Z	≥340	≥410	≥18	结构件、承重支架、中小型钢结构 Structural components, load-bearing brackets, small and medium-sized steel structures
S550GD+Z	≥550	≥600	≥12	高强结构、光伏支架、重型设备框架 High strength structure, photovoltaic bracket, heavy equipment frame

TINPLATE COIL (ETP)

Product Description

♦ ELECTROLYTIC TINPLATE COIL - ETP







Description- Electrolytic Tinplate Coil - ETP :

Standard: GB/T 2520ASTM A623/A623M、 JIS G3303、EN 102031S0 11949

Grade:

(TTemper, most commonly used) T1, T2, T2.5, T3, T3.5, T4, T5

DR Double Reduced， Thin specification high strength) DR7, DR8, DR8.5, DR9, DR9.5, DR10

International standard code for tin plating quantity:

#25 (2.8/2.8),#50 (5.6/5.6)、#75 (8.4/8.4)、#100 (11.2/11.2)

Can be used for single-sided differential thickness tin plating, such as # 25/# 50, to meet the differentiated needs of printing and welding

Size and craftsmanship:

Thickness: 0.14 mm、0.16mm、0.18mm,0.20mm、0.22mm、0.23mm、0.25mm,0.28mm,0.45mm、0.50mm0.30mm、0.32mm,0.35mm,0.38mm、0.40mm

Standard mother roll width: 700~1050mm, can be longitudinally cut into strips; Net weight of 1~8 tons per roll

Post treatment: passivation, oil coating (DOS oil/Butyl Alcohol), internal coating with epoxy food grade coating

Application: Fruit/meat beauty/fish metal cans, soda pop cans, Babao Congee metal cans, pesticide chemical small packaging cans, candy chocolate iron boxes, cosmetics cream packaging cans, bottle cap basic materials, ink printing can making base materials, pharmaceutical powder packaging containers.

Product Description

TIN FREE STEEL COIL - TFS/TMBP





Description- Tin Free Steel Coil - TFS/TMBP :

Standard: ASTM A624/A624MGB/T 2520.JISG3315、EN 10202

Grade:

ECCS Electrolytic Chromium Coated Steel

Divided by coating structure:

Single sided chrome plated TFS-S

Double sided chrome plated TFS-D

The mainstream hardness grades are completely benchmarked against ETP tinplate: T1~T5, DR7~DR10

International standard for chrome plating:

Double layer structure of metal chromium layer and chromium hydrate oxide layer, standard coating amount

Metal chromium: 70~150mg/m^2; Chromium oxide: 5-15mg/m^2

Size and craftsmanship:

Standard width of 800~1050mm, supports customized strip narrow band

Thickness range: 0.15~0.45mm, standard thickness specifications are fully compatible with ETP tin-plate and can be cut and processed on the same production line

Application: Non weldable seal, printing adhesion far superior to ETP tinplate; Commonly used for beer and beverage crown bottle caps, easy to pull caps, cosmetics packaging boxes, lithium battery steel shells, paint and ink metal packaging bucket bottom covers, printed color printing iron boxes, dry battery shells, and food unscrewing covers.

Detailed specifications

Core technical parameters

1.Chemical composition standard for substrate

化学元素 chemical element	质量分数限值 Quality score limit	性能说明 Performance Specifications
碳（C）	≤0.12%	超低碳材质，保障极致延展性，杜绝深冲开裂 Ultra low carbon material ensures ultimate ductility and prevents deep drawing cracking
锰（Mn）	0.2~0.6%	均衡基材强度与韧性，稳定加工性能 Balance substrate strength and toughness, stabilize processing performance
磷（P）	≤0.020%	严控杂质，提升耐腐蚀性，满足食品级安全 Strictly control impurities, enhance corrosion resistance, and meet food grade safety requirements
硫（S）	≤0.020%	降低杂质缺陷，防止镀层脱落、板面氧化 Reduce impurity defects, prevent coating detachment and surface oxidation
硅（Si）	≤0.02%	细化晶粒，保障板面光洁度与镀层附着力 Refine grain size to ensure surface smoothness and coating adhesion

2.Mechanical performance parameters of tempering grade

轧制类型 Rolling type	调质牌号 Quenching and tempering grade	硬度HR30Tm Hardness HR30Tm	屈服强度MPa Yield strength	核心用途 Core purpose
SR单次轧制 SR single rolling	T2	53±4	≥260	深冲罐体、复杂拉伸成型件 Deep drawn tank body, complex stretch formed parts
SR单次轧制 SR single rolling	T3	57±4	≥305	通用食品罐、瓶盖、常规冲压件 General food cans, bottle caps, and conventional stamped parts
SR单次轧制 SR single rolling	T4	61±4	≥350	刚性罐体、罐身、普通密封盖 Rigid tank body, tank body, ordinary sealing cover
SR单次轧制 SR single rolling	T5	65±4	≥415	高强度罐盖、旋开盖 High strength can lid, unscrew lid
DR二次轧制 DR secondary rolling	DR8	73±4	550	气雾罐、轻量化罐 Aerosol cans, lightweight cans components
DR二次轧制 DR secondary rolling	DR9	76±4	620	高压气雾罐、高强度盖 High pressure aerosol canister, high-strength cap components

ALLOY STEEL COIL

Product Description

ALLOY STEEL COIL





Description- Alloy Steel Coil :

Standard: GB/T 11251、GB/T 3077GB/T 709.ASTM A204/A204M, ASTM A1018.EN 10137EN 10028-2、EN 10204

Grade:

National standard GB grades: 15CrMo, 12Cr1MoV, 12Cr1MoVR, 15CrMoR, 16Mo3 (equivalent to national standard), 13CrMo44, 12Cr2Mo1R

American Standard ASTMASME ASTM A387 Gr11 CL1/CL2, A387 Gr12 CL1/CL2, A387 Gr22 CL1/-CL2, A387 Gr5, A387 Gr91 (P91), A387 Gr92(P92)

European standard EN grades: 13CrMo4-5 (1.7335), 16Mo3 (1.5415), 10CrMo9-10 (1.7380), 12CrMo91

Size and craftsmanship:

①Hot rolled alloy steel coil (main spot category)

Thickness range: 2.0mm~16.0mm; Conventional spot thickness 2.5/3/4/5/6/10/12/14/16mm

Standard width of mother roll: 1000mm, 1250mm, 1500mm; Support longitudinal cutting of narrow steel strips, with a minimum cutting width of 15mm

Core inner diameter: standard 508mm, customizable 610mm large inner diameter; Net weight of a single roll is 5-28 tons

Tolerance: Thickness tolerance+0.2~+0.8mm, sickle bending and unevenness comply with EN/GB rolling tolerances

②Cold rolled precision alloy narrow coil (customized order)

Thickness: 0.3mm~3.0mm; Width 3-1250mm, precise dimensional tolerance+0.01mm

Surface: Pickled black skin surface, annealed shiny surface, coated with oil for rust prevention treatment

Subsequent processing services are available:

Whole roll flat cutting into alloy steel plate plate, fixed length cutting, bending tube, groove processing, heat treatment (normalizing+tempering)

Description- Alloy Steel Coil :

Application:

①Thermal & Thermal Power Plants

Rolling Boiler Waterwall Header Cylinder, Superheater/Reheater Heat Exchanger Tube Blank, Main Steam Pipeline Base Material, Economizer Spiral Coil, Flue High-Temperature Air Duct Cylinder

②Petroleum Refining & Hydrogenation Chemicals

Hydrogenation reactor shell roll-welded raw material, reforming unit high-pressure heat exchanger tube sheet rolled material, oil and gas transportation high-pressure pipeline, cracking furnace furnace tube base material, hydrogen storage tank shell

③Coal Chemical Industry & Fertilizer Sector

Ammonia synthesis tower shell, methanol gasification furnace shell, reformer pressure pipeline, desulfurization and denitrification high-temperature equipment shell

④Special Equipment and Mechanical Manufacturing

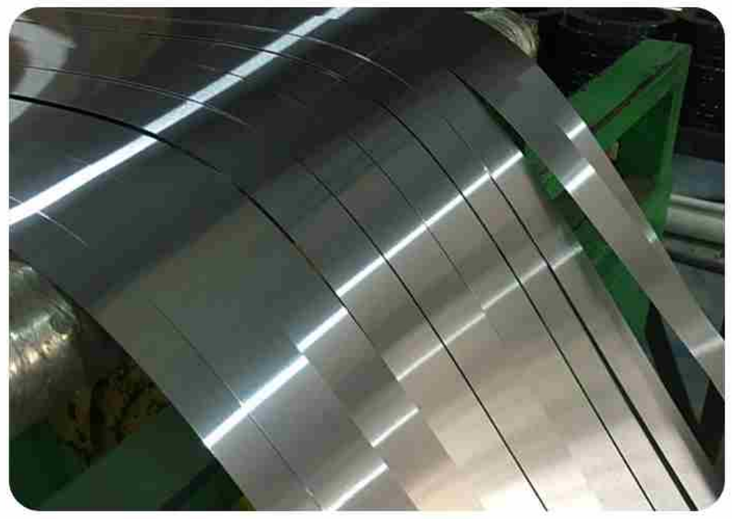
Air compressor air receiver tank, hydraulic cylinder barrel, wear-resistant bushings for construction machinery, high-temperature fan volute, wellhead pressure-bearing fittings for oilfields

⑤Pipes processing industry

Raw materials for straight seam submerged arc welded pipes and high-frequency welded pipes, mass production of seamless welded pipes such as 16Mo3 and 13CrMo4-5

♦ NICKEL/SUPER ALLOY COIL





Description- Nickel/Super Alloy Coil :

Standard: ASTM B409 / ASME SB-409、GB/T 15007、EN 10088、ASTM B575 / ASME SB-575、ASTM B670、ASTM B906

Grade:

①Inconel series (high-temperature oxidation resistance+high strength)

Inconel 600: UNS N06600 | W.Nr 2.4816 | Domestic GH3600

Inconel 601：UNS N06601 | W.Nr 2.4851 | GH3601

Inconel 625: UNS N06625 | W.Nr 2.4856 | GH3625 (the best-selling main brand overseas)

Inconel 718: UNS N07718 | W.Nr 2.4668 | GH4169 (Aerospace Ace)

Inconel X-750：UNS N07750 | W.Nr 2.4669 | GH4145

Inconel 800/800H/800HT：UNS N08800 / N08810 / N08811 | GH3030/GH3039

②Monel copper nickel alloy (resistant to seawater+fluoride ion corrosion)

Monel 400：UNS N04400 | W.Nr 2.4360 | NCu30

Monel K500: UNS N05500 | W.Nr 2.4375 (age strengthened type, higher hardness)

③Nickel 200/201 pure nickel plate, Alloy 59, Alloy 926, Nimonic series high-temperature alloys

Description- Nickel/Super Alloy Coil :

Grade: ④Hastelloy alloy series (strong acid corrosion resistance)

Hastelloy B2： UNS N10665 | W.Nr 2.4617

Hastelloy C22： UNS N06022 | W.Nr 2.4819

Hastelloy C276: UNS N10276 | W.Nr 2.4819 | GH3128 (original base version)

Hastelloy G30： UNS N06030 | W.Nr 2.4603

Hastelloy X： UNS N06002 | W.Nr 2.4613 | GH3536

Refine dimensional parameters:

① Cold rolled ultra-thin alloy steel coil (high-frequency export for foreign trade)

Thickness: 0.10mm~3.0mm; Ultra thin customizable 0.03mm foil strip

Standard width: 1000/1219/1250/1500mm; can be precisely cut and divided into narrow strips up to a minimum of 3mm

Surface technology: Bright annealing BA, acid pickling passivation, wire drawing HL, mirror polishing, film coating anti scratch

Core 508mm, single roll weight 0.5-10 tons, supports small roll and coreless roll

② Hot rolled nickel based alloy mother coil

Thickness: 3mm~12mm; Width of 1000-2000mm, maximum weight of 25 tons per roll

Delivery status: Solid solution annealed state, eliminating rolling stress, facilitating subsequent bending, welding, and stamping

③ Customized deep processing options

Water jet irregular cutting, flat cutting into standard flat plates, deburring and rounded corners, hardness tempering (1/4H/1/2H/fully hard/spring state)

Accurate application scenarios for different grades:

Inconel 600/601/625/718 alloy coil

Aircraft engine combustion chamber sheet metal stamping parts, gas turbine combustion cylinder, rocket nozzle shell, nuclear power reactor internals, deep-sea pressure resistant cabin body roll welding cylinder, heat treatment furnace radiation tube, high-temperature fixture

Hastelloy B2/C22/C276 Hastelloy Alloy Coil

Wet metallurgical pickling equipment cylinder, caustic soda/pesticide strong corrosion reaction kettle, power plant flue gas desulfurization (FGD) flue coil plate, seawater desalination evaporator shell, chlorine containing medium chemical pipeline, garbage incineration corrosion environment equipment

Monel 400/K500 copper nickel alloy coil

Raw materials for ship seawater pipeline coiling, anti-corrosion protective plates for offshore platforms, sulfur resistant pipe fittings for underground oil fields, lining for fluorine chemical equipment, and stamping blanks for valve and pump bodies

Super austenitic 904L/254SMO coil material

Sulfuric acid phosphoric acid strong corrosion tank, brine lithium extraction equipment, seawater desalination device, papermaking bleaching equipment lining

Dual phase steel 2205/2507 steel coil

Offshore wind turbine tower accessories, ship ballast tank liners, oil and gas gathering pipelines, chemical heat exchanger coils

Detailed specifications

1.Chemical composition of conventional low-alloy coils

化学元素 Chemical element	含量标准（质量分数） Content standard (quality score)	性能作用 Performance Function
碳（C）	≤0.24%	低碳设计，保障优异焊接性与成型韧性 Low carbon design ensures excellent weldability and forming toughness
锰（Mn）	1.20–1.60%	细化晶粒、提升基体强度与冲击韧性 Refine grain size, enhance matrix strength and impact toughness
硅（Si）	0.20–0.55%	脱氧净化钢材，提升板材致密性与稳定性 Deoxidize and purify steel, improve the density and stability of the plate
磷（P）	≤0.035%	降低杂质危害，保障板材延展性与可焊性，避免表面缺陷 Reduce the harm of impurities, ensure the ductility and weldability of the board, and avoid surface defects
硫（S）	≤0.035%	降低热脆风险，保障焊接与热加工性能 Reduce the risk of hot brittleness and ensure welding and hot working performance
微合金 (Nb/V/Ti)	Micro-addition	细化金相组织，提升强度、抗疲劳、耐候性 Refine metallographic structure to enhance strength, fatigue resistance, and weather resistance

2.Hardness parameters of wear-resistant alloy coil

耐磨牌号 Wear resistant grade	布氏硬度HBW Brinell hardness HBW	适用工况场景 Applicable working condition scenarios
NM360	≥360	轻度磨损、输送设备、普通衬板 Mild wear and tear, conveying equipment, ordinary lining plate
NM400	≥400	通用耐磨、矿山、工程机械主流 General wear-resistant, mining, and engineering machinery mainstream
NM450	≥450	中重度磨损、高强度冲刷工况 Moderate to severe wear and high-intensity scouring conditions
NM500	≥500	重度磨损、矿山破碎、渣土设备专用 Heavy wear and tear, mining crushing, and specialized equipment for waste disposal

Detailed specifications

3.Comparison Table of Mechanical Properties of Mainstream Brands

牌号 Grade	屈服强度Rp 0.2(MPa)≥ Yield strength	抗拉强度Rm (MPa)≥ Tensile strength	伸长率%≥ Elongation	冲击温度 Impact temperature	核心性能特点 Core performance characteristics
Q355B	≥355	470-630	≥21	At room temperature of 20 ℃	通用钢结构、设备外壳、支架底座 General steel structure, equipment casing, bracket base
Q355D	≥355	470-630	≥21	-20℃	高寒户外设备、工程机械结构件 Cold outdoor equipment, engineering machinery structural components performance
Q460C	≥460	570-720	≥17	0℃	起重机械、大型设备承重结构 Load bearing structures for lifting machinery and large equipment
Q690D	≥690	770-940	≥14	-20℃	超高强臂架、特种工程机械 Ultra high strength arm frame, special engineering machinery
Q345R	≥345	510-660	≥21	0℃	压力容器、储罐、换热器卷材 Pressure vessels, storage tanks, heat exchanger coils
16MnDR	≥315	490-620	≥21	-40℃	低温储罐、冷链成套设备 Low temperature storage tanks and complete sets of cold chain equipment
NM400	≥1000	1250-1600	≥10	room temperature	耐磨输送、矿山设备衬板卷材 Wear resistant conveying and mining equipment lining coil

Core advantages of the product

♦ Superior mechanical performance: strength, toughness, balanced and stable impact values, impact resistance, fatigue resistance, not easily deformed, can withstand long-term heavy alternating loads.

♦ Wide adaptability to working conditions: covering six major working conditions including room temperature, low temperature, high temperature, wear resistance, pressure resistance, and high-strength structure, it can replace various types of ordinary carbon steel coils.

♦ Excellent processing performance of coil material: flat plate shape, uniform stress, no sickle bending or waves during high-speed cutting, no cracking during bending and deep drawing, stable welding performance.

♦ Pure and stable material: low impurity content, fine grain size, dense interior without layering, bubbles, or inclusions, high pass rate of non-destructive testing.

♦ Complete specifications and grades: thin and medium thick materials cover all specifications, low, medium, and ultra-high strength gradients are complete, and the selection matching degree is high.

SILICON STEEL COIL

Product Description

♦ CRGO COIL





Description- CRGO Coil :

Standard: GB/T 2521.2-2025、GB/T 2522、IEC 60404-8-7、JIS C 2553、ASTM A876/A876M、EN 10107、DIN EN 60404

Grade:

①National Standard Traditional Q Naming System

0.23mm：23Q080、23Q085、23Q090、23Q095、23Q105、23Q110

0.27mm：27Q095、27Q100、27Q110、27Q120、27Q130

0.30mm：30Q120、30Q130、30Q140

0.35mm：35Q135、35Q145、35Q155

②Becores's new official brand

Ordinary orientation P series:

B23P085、B23P090、B23P095、B27P100、B27P110、B30P120、B30P130、B35P145、B35P155

HiB High Magnetic Sensitivity R Laser Marking Series:

B23R075、B23R080、B23R085、B27R085、B27R090、B30R100

③Japanese JIS Nippon Steel/JFE grades

Z series standard: 23Z110, 27Z120, 30Z130, 35Z155

ZH High Magnetic Sensitivity Scratches: 23ZH080, 27ZH100, 30ZH120

JG/JFE series: 27JG120, 30JG130, 35JG145

④American standard ASTM A876

M080-23、M090-27、M120-30、M145-35； Classic old models M4, M5, M6, M7

⑤European standard DIN/EN digital material grade

1.0813, 1.0815, 1.0817, 1.0819

Fixed nominal thickness: 0.18mm (ultra-thin customized), 0.23mm, 0.27mm, 0.30mm, 0.35mm

Original factory mother roll basic specifications:

Factory native roll width: 700mm~1250mm

Support precision longitudinal cutting and slitting: minimum slitting width ≥ 20mm, width tolerance ± 0.1mm

Standard core inner diameter: 508mm (20 inches); Customized 610mm large inner diameter as needed

Net weight per roll: 2 tons to 8 tons, can be split into small rolls for shipment

Description- CRGO Coil :

Surface insulation coating (Class 3 internationally recognized coatings):

C5 inorganic insulation coating (universal transformer)

C6 high insulation coating (reactor, high-frequency working conditions)

Non oriented environmentally friendly chromium free coating (EU RoHS environmental certification)

Deep processing services available:

Kaiping fixed length slicing, EI iron core stamping, circular iron core winding, stress relief annealing, laser cutting

Application :

①Ordinary CGO oriented silicon steel (23Q/27Q/30Q/35Q)

Civil distribution transformers, residential dry-type transformers, small box transformers, voltage/current transformers, low-voltage reactors, photovoltaic inverter power frequency transformers, welding machine power supply iron cores

②HiB high magnetic score oriented silicon steel (B23R/ZH series)

State Grid's large main transformers, wind turbine box type transformers, high-speed rail traction transformers, nuclear power auxiliary converters, high-power reactors for energy storage power stations, ultra-high voltage transmission equipment, and military special power transformers

③Ultra thin 0.18-0.20mm ultra-thin oriented silicon steel

High frequency and intermediate frequency transformers, aerospace inverters, medical magnetic resonance excitation coil cores, high-power magnetic cores for switching power supplies

Detailed specifications

Product Detailed Data

1.Electromagnetic properties of oriented silicon steel coil (50Hz, longitudinal sampling P1.7/50)

牌号 Grade	厚度 mm Thickness	铁损 P1.7/50 W/kg Iron loss	磁感 B800 T Magnetic induction	典型应用 Typical Applications
30Q130	0.30	≤1.30	≥1.74	配电变压器、中小型变压器 Distribution transformers, small and medium-sized transformers
27Q120	0.27	≤1.20	≥1.74	电力配电变压器 Power distribution transformer
27QG100	0.27	≤1.00	≥1.88	大型电力变压器 Large power transformer
23QG090	0.23	≤0.90	≥1.88	特高压、低损耗大型主变 Ultra high voltage, low loss large main transformer

Product Description

♦ CRNO COIL





Description- CRNO Coil :

Standard: GB/T 2521.1-2016、GB/T 17951.2-2014、IEC 60404-8-4、JIS C 2552、ASTM A677/A677M、EN 10106、DIN EN 60404

Grade: ①National standard classic WW naming

0.50mm thickness series (50WW)

Ultra low loss: 50WW250, 50WW310, 50WW350

Medium loss universal: 50WW400, 50WW470, 50WW600

High loss economy type: 50WW800, 50WW1000, 50WW1300

0.35mm thickness series (35WW)

35WW230、35WW250、35WW270、35WW300、35WW360、35WW400

0.65mm thick specification (special for large generators)

65WW600、65WW800

②Becores's new official brand

0.5mm：B50A250、B50A470、B50A600、B50A800

0.35mm：B35A230、B35A300、B35A360

New energy ultra-thin: B20AHV800, B15AHV950, B10AHV900 (0.10mm top-level ultra-thin)

③Japanese JIS Nippon Steel/JFE grades

50W250、50W470、35W300、35W230

④American standard ASTM A876

M250-50、M470-50、M600-50、M300-35； Traditional old models M19, M27, M36

⑤Semi process non oriented special grade (customer's subsequent annealing)

SP50, SP35 (GB/T 17951.2)

Full thickness optional range:

Ultra thin high-frequency customization: 0.10mm, 0.12mm, 0.15mm, 0.20mm, 0.25mm

Main regular mass production: 0.30mm, 0.35mm, 0.50mm, 0.65mm

Mother roll and slitting parameters:

Original factory width: 1000mm, 1200mm, 1250mm

Longitudinal cutting: can cut any narrow band from 5mm to 1240mm, with a precision tolerance of ± 0.005mm

The standard inner diameter of the core is 508mm, and the weight of a single roll is 1.5-7 tons;

Support disassembling large rolls from small rolls

Description- CRGO Coil :

Surface insulation coating:

Single/double-sided inorganic insulation coating, environmentally friendly chromium free coating, interlayer insulation resistance meets the voltage resistance requirements of motor laminations; Can be coated with film for rust prevention and coated with oil for scratch resistance.

Post processing capability:

Kaiping Cheng standard flat plate (1000 × 2000/1220 × 2440), stamped fixed length iron chip, laser cutting, stress relief annealing.

Application :

①Industrial universal motor

Three phase asynchronous motor, fan pump motor, reducer motor, servo drive motor, air compressor main core, gear pump motor

②Household appliance motor

Air conditioner compressor, refrigerator cooling motor, washing machine drive motor, range hood fan, fan motor, vacuum cleaner micro motor

③New energy vehicle field (ultra-thin 0.15/0.20mm grade core use)

Pure electric/hybrid vehicle drive motor, onboard generator, onboard OBC charger iron core, hydrogen fuel cell air compressor, high-speed electric spindle motor

④Power generation and energy storage equipment

Diesel generator stator and rotor, small wind turbine, pumped storage variable speed generator, energy storage converter (PCS) inductor iron core

Detailed specifications

Electromagnetic properties of non oriented silicon steel coil (50Hz)

牌号 Grade	厚度 mm Thickness	铁损 P1.7/50 W/kg Iron loss	磁感 B800 T Magnetic induction	典型应用 Typical Applications
50W800	0.50	≤8.00	≥1.64	普通风扇电机、小功率家电电机 Ordinary fan motor, low-power household appliance motor
50W600	0.50	≤6.00	≥1.66	普通工业电机、水泵电机 Ordinary industrial motors, water pump motors
50W470	0.50	≤4.70	≥1.68	通用电机、压缩机电机 General motors, compressor motors
50W350	0.50	≤3.50	≥1.69	高效工业电机、风机电机 Efficient industrial motors, fan motors
35W300	0.35	≤3.00	≥1.68	新能源电机、高效发电机、电抗器 New energy motors, high-efficiency generators, reactors

Packing and loading







Warehouse >>>> Packaging >>>> Loading

Our Advantages







CERTIFICATE

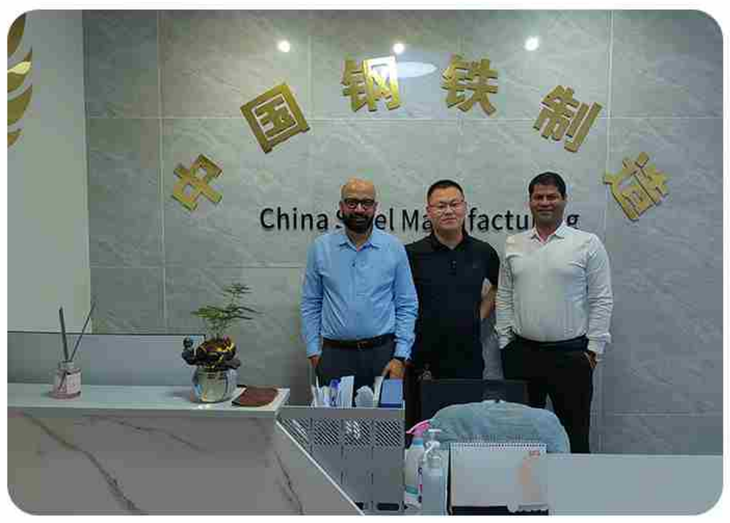






PRODUCTION EQUIPMENT

Our Advantages



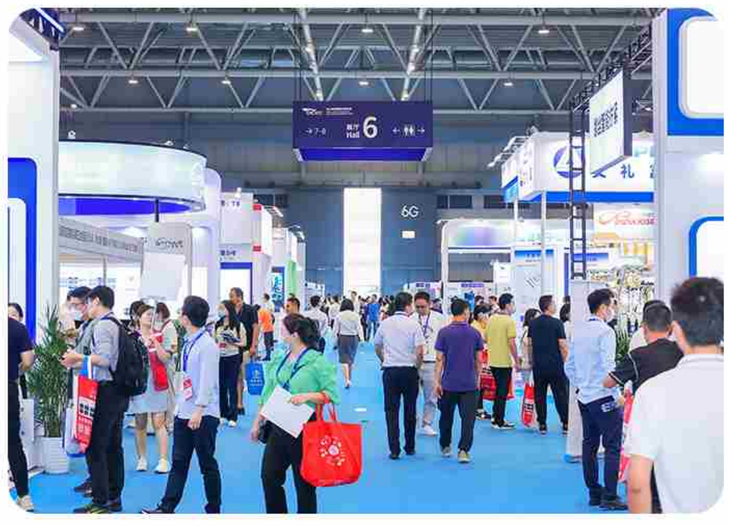




CUSTOMER VISIT







EXHIBITION

CONTACT US

Tel/Wechat/whatsapp

+86 19863513853

Emeil

Sara@x-wusteel.com

Address

Jiangguantun Street, Liaocheng Economic and Technological Development Zone, Shandong Province

