KX-Alloy

DANYANG
KAIXIN
ALLOY MATERIAL CO.,LTD.

We regard product quality as the life of the enterprise, customers as strategic partners for enterprise development, and employees as the greatest resources of the enterprise.

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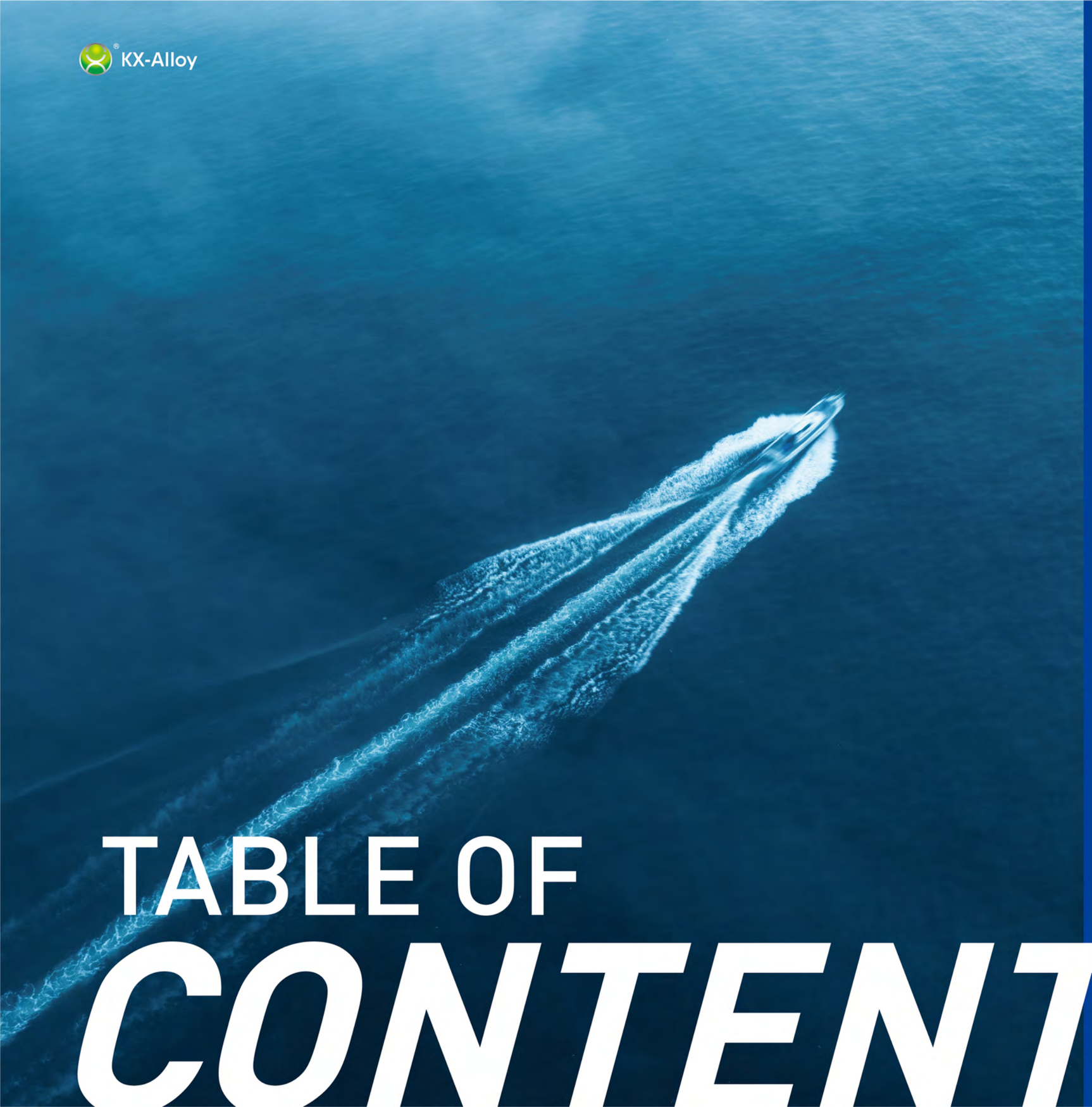
KAIXIN ALLOY



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Company Profile

Danyang Kaixin Alloy Material Co., Ltd. was founded on April 18, 2007, covers an area of 13,500 square meters, registered capital of 50 million yuan, is a professional enterprises engaged in precision alloy, high temperature alloy, nickel-based special welding wire, corrosion resistant alloy and other high performance alloy materials. Which have independent production and research and development capabilities.Danyang Kaixin Alloy Material is Jiangsu Province science and technology SMEs, Jiangsu Province high-tech enterprises, workers entrepreneurship base, Zhenjiang City harmonious enterprise, Jiangsu Province in 2017 the most growth of 100 high-tech enterprises, 2020 in southern Jiangsu national independent innovation demonstration area gazelle enterprise, quality system through the ISO9001:2015 standard.The existing staff of more than 150 people, more than 20 people, more than 30 people of all kinds of management personnel, the company's existing invention patents, utility model patents of more than 100 items, among which ErNiCrMo-3/Inconel625 welding wire through the United States ABS classification society certification, high manganese steel welding wire, electrode through the French BV classification society certification.

Production Equipment

Vacuum induction melting furnace, atmosphere protection electroslag remelting furnace, vacuum heat treatment furnace, wire drawing, cold rolled strip, polishing, machining and other equipment.

2007 YEAR

Established Time

13500 M^2

company cover an area

100+

Research and development patents

150+

Number of employees

Detection equipment

Infrared carbon sulfur analyzer - CS2800, oxygen nitrogen hydrogen analyzer ONH-3000, Germany Spike full spectrum spectrometer, durability, creep testing machine, -196 ° low temperature, room temperature impact testing machine, Germany Necker expansion apparatus, 100KN room temperature, high temperature universal testing machine, 300KN room temperature, high temperature universal testing machine, Germany Caisi inverted microscope, magnetic performance detector, ultrasonic flaw detection nondestructive testing instrument, America Niton handheld spectrometer, Germany Caibao helium mass spectrometer leak detection instrument, laser particle size distribution instrument, torsion winding machine, metal wire repeated bending testing machine, etc. The company will add the most advanced 3.5 tons of vacuum induction melting furnace, 5 tons of atmosphere protection electroslag remelting furnace, 8 nickel-based welding wire production line in 2023, which greatly improves the production capacity of our company. In 2024, the expansion of the nickel-based welding material production line with an annual output of 2500 tons will be completed. The company will continue to increase its R&D investment. Since 2020, the company has invested 10 million yuan in R&D. At present, it has cooperated with Beijing Steel Research Institute and established the "National Iron and Steel Material Testing Center - Joint Laboratory", established Zhenjiang Microwave Communication Materials Engineering Technology Research Center, and built the "Jiangsu Province (Kaixin)" Nickel-based high temperature alloy Materials Engineering Technology Research Center.

From 2022 to 2026, the company will gradually transform from mass products to technology products, gradually moving towards the production ranks of "special, refined, special and new". To this end, we will continue to expand the R&D team by combining our existing advantages in research and development, production and testing, and constantly make progress from exploration and experimentation.

Enterprise Culture

Enterprise's Goal

Exceed Customer Expectations and Create IndustryBrands

Corporate Image

Rigorous, Conscientious, Loyal,Dedicated

Entrepreneurial spirit

Integrity, Dedication, Pragmatism, Innovation

Corporate Philosophy

Regard product quality as the life of the enterprise, regard customers as the strategic partners of the enterprise's development, and regard employees as the enterprise's greatest resource.

Qualifications and Honors

ISO9001:2012 quality management system certification; ABS American Bureau of Shipping certification; private technology enterprises in Jiangsu Province; technology-based small and medium-sized enterprises in Jiangsu Province; employee entrepreneurship base; Zhenjiang Harmonious Enterprise; among the top 100 most promising high-tech enterprises in Jiangsu Province in 2017 ; Gazelle Enterprise in the Southern Jiangsu National Independent Innovation Demonstration Zone in 2020.

Oxygen Nitrogen Hydrogen Analyzer ONH-3000

Inspection Center (Continuous innovation and breakthrough development)

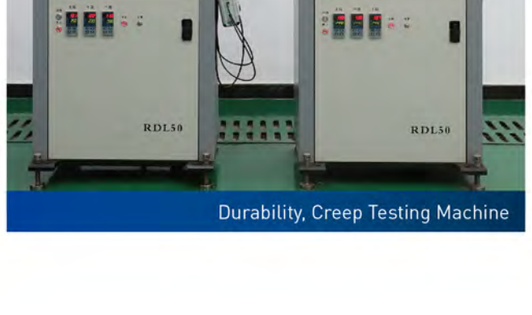
Kaixin alloy production process strictly abide by international and domestic standards, strictly implement the ISO9001:2015 quality system, equipped with a containing infrared carbon sulfur analyzer - CS2800, 100KN at room temperature, high temperature universal testing machine, 300KN at room temperature, high temperature universal testing machine, oxygen nitrogen hydrogen analyzer ONH-3000, Germany Nachi expansion meter, Germany Spike full spectrum type light harmonic instrument, Germany Cai Si inverted microscope and so on complete testing equipment dozens of units, has cooperated with Beijing Steel Research Institute, established the "National Iron and Steel Materials Testing Center - Joint Laboratory", established Zhenjiang microwave communication technology engineering center, Jiangsu Province [Kaixin] nickel-based superalloy material engineering technology research center, from every detail, and customers always maintain smooth business communication.

Germany Spike Full Spectrum Spectrometer

Germany Caisi Inverted Microscope

100KN Room Temperature,
High Temperature Universal Testing Machine

300KN Room Temperature,
High Temperature Universal Testing Machine



-196 ° Low Temperature, Room
Temperature Impact Testing Machine

Durability, Creep Testing Machine

Manufacturing capability (keep pace with The Times and create the future)

3.5 Tons Vacuum Induction Melting Furnace

8+

8 nickel-based welding wire production lines

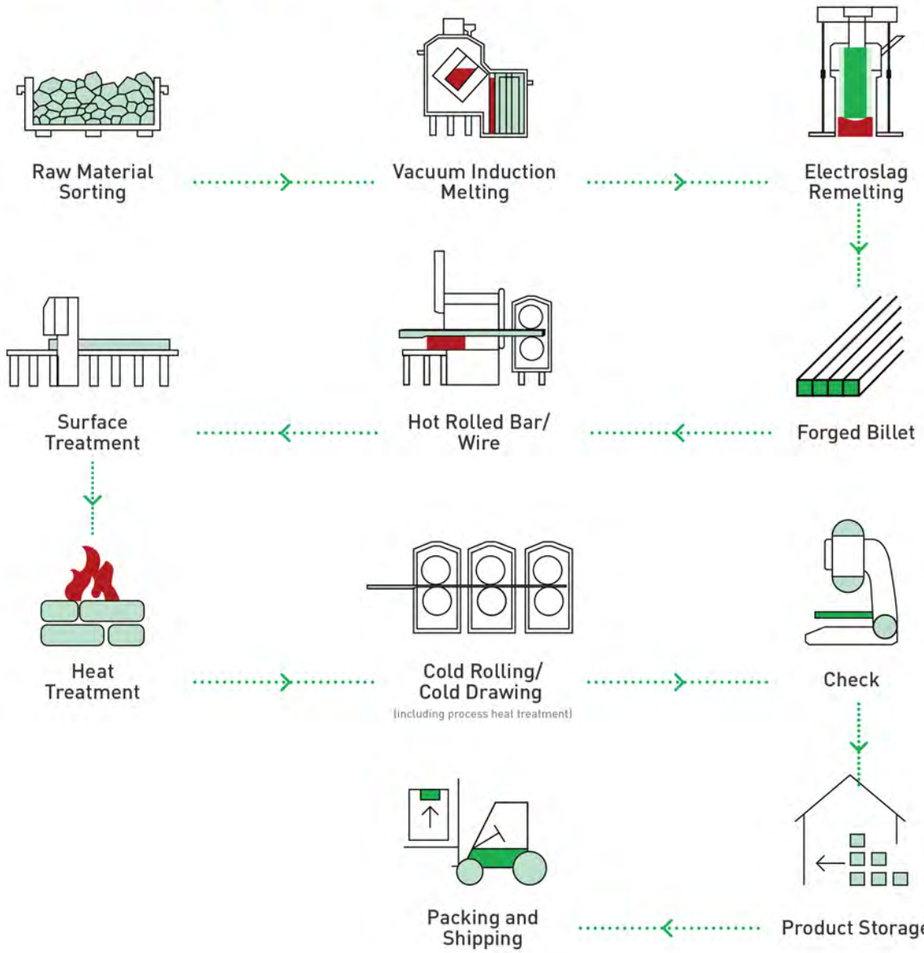
Annual output of 2,500 tons of nickel-based welding wire in 2024

In order to meet the diversified and customized needs of global customers, the company has increased investment year by year, and equipped with a number of automated and semi-automated alloy production lines.

At present, we have 3.5 tons of vacuum induction melting furnace, 5 tons of atmosphere protection electroslag remelting furnace, more than 8 nickel-based welding wire production lines, etc. Under the continuous equipment update and upgrade, the quality and production capacity of products have been rapidly improved.

5 tons atmosphere
protected electroslag remelting furnace

Product process flow



Welding Wire Series

Category	Welding Wire Model	AWS A5.14:2005	chemical composition													
			C	Mn	Fe	Si	Cu	Ni	Co	Ai	Ti	Cr	Nb+Ta	Mo	W	Other
Nickel	SNi2061	ERNi-1	≤0.15	≤1.0	≤1.0	≤0.75	≤0.25	≥93	-	≤1.5	2.0-3.5	-	-	-	-	≤0.5
Nickel Chromium	SNi6082	ERNiCr-3	≤0.1	2.5-3.5	≤3	≤0.5	≤0.5	≤67	-	-	≤0.75	18-22	2.0-3.0	-	-	≤0.5
	SNi6072	ERNiCr-4	0.01-0.10	≤0.20	≤0.50	≤0.20	≤0.50	≥52.0	-	-	0.3-1.0	42.0-46.0	-	-	-	≤0.5
Nickel Copper	SNi4060	ERNiCu-7	≤0.15	2.0-4.0	≤2.5	≤1.2	28.0-32.0	≥62	-	≤1.2	1.5-3.0	-	-	-	-	-
Nickel Chromium Iron	SNi8065	ERNiFeCr-1	≤0.05	1	≥22.	≤0.5	1.5-3.0	38.0-46.0	-	≤0.2	0.6-1.2	19.5-23.5	-	2.5-3.5	-	≤0.5
	SNi7718	ERNiFeCr-2	≤0.08	≤0.35	Rem	≤0.35	≤0.3	50.0-55.0	-	0.2-0.8	0.65-1.15	17.0-21.0	4.75-5.5	2.8-3.3	-	≤0.5 B≤0.006
Nickel Chromium Molybdenum	SNi6625	ERNiCrMo-3	≤0.1	≤0.5	≤5.0	≤0.5	≤0.5	≥58.0	-	≤0.4	≤0.4	20.0-23.0	3.15-4.15	8.0-10.0	-	≤0.5
	SNi6276	ERNiCrMo-4	≤0.02	≤1.0	4.0-7.0	≤0.08	≤0.5	Rem	≤2.5	-	-	14.5-16.5	V≤0.35	15.0-17.0	3.0-4.5	≤0.5
	SNi6022	ERNiCrMo-10	≤0.015	≤0.5	2.0-6.0	≤0.08	≤0.5	Rem	≤2.5	-	-	20.0-22.5	V≤0.35	12.5-14.5	2.5-3.5	≤0.5
	SNi6059	ERNiCrMo-13	≤0.01	≤0.5	≤1.5	≤0.1	≤0.5	Rem	≤0.3	0.1-0.4	-	22.0-24.0	-	15-16.5	-	≤0.5
	SNi6686	ERNiCrMo-14	≤0.01	≤1.0	≤5.0	≤0.08	≤0.5	Rem	-	≤0.5	≤0.25	19.0-23.0	-	15.0-17.0	3.0-4.4	≤0.5
	SNi7725	ERNiCrMo-15	≤0.03	≤0.35	Rem	≤0.2	-	55.0-59.0	-	≤0.35	1.0-1.7	19.0-22.5	2.75-4.00	7.0-9.5	-	≤0.5
Nickel Chromium Cobalt	SNi6617	ERNiCrCoMo-1	0.05-0.15	≤1.0	≤3.0	≤1.0	≤0.5	Rem	10.0-15.0	0.8-1.5	≤0.6	20.0-24.0	-	8.0-10.0	-	≤0.5

High Manganese Steel Series

LNG Fuel Tank

Category	Trademark	Advantages of ultra-low temperature high manganese steel welding materials
Welding core of high manganese steel electrode	KX-HMn400C	1, The weld metal of the equipment produced has excellent and stable low-temperature impact toughness, -196°C. The average impact value is higher than 47J;
High manganese steel submerged arc welding wire	KX-HMn400S	2. Strictly control trace elements and impurity elements to minimize welding hot crack sensitivity.Low, ensuring the safety of LNG fuel tanks in service.
High manganese steel argon arc welding wire	KX-HMn400T	3. Research shows that LNG storage tanks for ships made of ultra-low temperature high manganese steel have lowThe temperature strength, toughness, fatigue resistance, corrosion resistance and other properties are comparable to those of the currently widely used 9-nickel steel.The ratio is almost the same, and its plasticity is better than 9 nickel steel. In terms of cost, 22%~25% manganese steel.The material cost is about 1/3 of 9 nickel steel. Using high manganese steel for LNG storage tanks can significantly reduce manufacturing costs.
High manganese steel automatic welding solid wire	KX-HMn400M	

Strip Bar Plate Pipe Forging

Category	Trademark	Chemical Composition																		Form				
		C	Cr	Ni	Co	W	Mo	Al	Ti	Fe	Nb	Si	Mn	P	Cu	Ce	Mg	Zr	B	S				
Superalloy	GH4169	≤0.08	17.0-21.0	50.0-55.0	≤1.0	-	2.8-3.3	0.2-0.8	0.65-1.15	margin	4.75-5.5	≤0.35	≤0.35	≤0.015	≤0.3	-	≤0.01	-	≤0.006	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	GH4145	≤0.08	14.0-17.0	margin	≤1.0	-	-	0.4-1.0	2.25-2.75	5.0-9.0	0.7-1.2	≤0.50	≤1.00	≤0.015	≤0.5	-	-	-	-	≤0.010	Strip	Rod	Plate	Forgings	Pipes
	GH4090	≤0.13	18.0-21.0	margin	15-21	-	-	1.0-2.0	2.0-3.0	≤1.5	-	≤0.80	≤0.40	≤0.020	≤0.2	-	-	≤0.15	≤0.02	≤0.015	Strip	Rod	Plate	Forgings	
	GH3625	≤0.1	20-23	margin	≤1	-	8-10	≤0.4	≤0.4	≤5	3.15-4.15	≤0.5	≤0.5	≤0.015	≤0.07	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	
	GH4080A	0.04-0.1	18-21	margin	≤2.0	-	-	1-1.8	1.8-2.7	≤1.5	-	≤0.8	≤0.4	≤0.02	≤0.2	-	-	-	≤0.008	≤0.015	Strip	Rod	Plate	Forgings	
	GH3600	≤0.15	14-17	≥72.0	-	-	-	≤0.35	≤0.50	6.0-10	≤1.00	≤0.50	≤1.00	≤0.040	≤0.5	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	GH2747	≤0.10	15-17	44-46	-	-	-	2.9-3.9	-	margin	-	≤1.00	≤1.00	≤0.025	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	GH3128	≤0.05	19-22	margin	-	7.5-9	7.5-9	0.4-0.8	0.4-0.8	≤2.0	-	≤0.80	≤0.50	≤0.013	-	≤0.005	-	≤0.006	≤0.005	≤0.013	Strip	Rod	Plate	Forgings	
	GH3044	≤0.1	23.5-26.5	margin	-	13.0-16	≤1.50	≤0.5	0.3-0.7	≤4	-	≤0.80	≤0.50	≤0.013	≤0.007	-	-	-	-	≤0.013	Strip	Rod	Plate	Forgings	
	GH4033	≤0.06	19-22	margin	-	-	-	0.6-1	2.4-2.8	≤1	-	≤0.65	≤0.40	≤0.015	-	≤0.02	-	-	≤0.01	≤0.007	Strip	Rod	Plate	Forgings	
	GH4738	0.03-0.08	18-21	margin	12-15	-	3.5-5	1.2-1.6	2.75-3.25	≤2	-	≤0.15	≤0.10	≤0.015	-	-	-	0.02-0.08	0.003-0.01	≤0.015	Strip	Rod	Plate	Forgings	
	GH4141	0.06-0.12	18-20	margin	10-12	-	9-10.5	1.4-1.8	3-3.5	≤5	-	≤0.50	≤0.50	≤0.015	≤0.10	-	-	≤0.007	0.003-0.01	≤0.015	Strip	Rod	Plate	Forgings	
	GH4648	≤0.1	32-35	margin	-	4.3-5.3	2.3-3.3	0.5-1.1	0.5-1.1	≤4	0.5-1.1	≤0.40	≤0.50	≤0.015	≤0.5	≤0.03	-	-	≤0.006	≤0.010	Strip	Rod	Plate	Forgings	
Expanded Alloy	4J29	≤0.03	≤0.2	28.5-29.5	16.8-17.8	-	≤0.2	-	-	margin	-	≤0.3	≤0.5	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J44	≤0.03	≤0.2	34.2-35.2	8.5-9.5	-	≤0.2	-	-	margin	-	≤0.3	≤0.5	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J33	≤0.05	-	32.1-33.6	14.15.2	-	-	-		margin	-	≤0.3	≤0.5	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J34	≤0.05	-	28.5-29.5	19.5-20.5	-	-	-	-	margin	-	≤0.3	≤0.5	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J36	≤0.05	-	35-37	-	-	-	-	-	margin	-	≤0.3	0.2-0.6	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J32	≤0.05	-	31.5-33	3.2-4.2	-	-	-	-	margin	-	≤0.2	0.2-0.6	≤0.02	0.4-0.8	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J42	≤0.05	-	41-42.5	≤0.1	-	-	≤0.1	-	margin	-	≤0.3	≤0.8	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J50	≤0.05	-	49.5-50.5	-	-	-	≤0.1	-	margin	-	≤0.3	≤0.8	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J40	≤0.05	-	32.4-33.4	-	-	7-8	-	-	margin	-	≤0.15	≤0.25	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J47	≤0.05	0.8-1.4	46.8-47.8	-	-	-	-	-	margin	-	≤0.3	≤0.4	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	4J48	≤0.05	≤0.1	47-49	-	-	-	-	-	margin	-	≤0.3	≤0.8	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
Soft Magnetic Alloy	1J50	≤0.03	-	49-50.5	-	-	-	-	-	margin		0.15-0.3	0.3-0.6	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	1J22	≤0.04	-	≤0.5	49-51				-	margin	-	≤0.3	≤0.3	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	1J85	≤0.03	-	79-81	-	-	4.8-5.2	-	-	margin	-	0.15-0.3	0.3-0.6	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	1J79	≤0.03	-	78.5-80	-	-	3.8-4.1	-	-	margin	-	0.2-0.5	0.6-1.1	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	1J32	≤0.04	-	31.5-32.5	-	-	-	-	-	margin	-	≤0.3	≤0.4	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	1J34	≤0.03	-	33.5-35	28.5-30	-	2.8-3.2	-	-	margin	-	0.15-0.3	0.3-0.6	≤0.02	≤0.2	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
	1J36	≤0.03	-	35-37	-	-	-	-	-	margin	-	≤0.2	≤0.6	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod	Plate	Forgings	Pipes
Elastic Alloy	3J53	≤0.05	5.2-5.8	41.5-43	-	-	-	0.5-0.8	2.3-2.7	margin	-	≤0.8	≤0.8	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod			
	3J21	0.07-0.12	19-21	14-21	39-41	-	6.5-7.5	-	-	margin	-	≤0.6	1.7-2.3	≤0.01	-	-	-	-	-	≤0.01	Strip	Rod			
	3J58	≤0.05	5.2-5.6	43-43.6	-	-	-	0.5-0.8	2.3-2.7	margin	-	≤0.8	≤0.8	≤0.02	-	-	-	-	-	≤0.02	Strip	Rod			
	3J40	≤0.03	39-41	margin	-	-	-	3.3.-3.5	-	≤0.5	-	≤0.2	≤0.1	≤0.01	-	-	-	-	-	≤0.01	Strip	Rod			
	3J09	0.22-0.26	19-20.5	9-10.5	-	-	1.4-1.85	-	-	margin	-	1.3-1.7	1.8-2.2	≤0.03	-	-	-	-	-	≤0.02	Strip	Rod			
Corrosion Resistant Alloy	Inconel718	≤0.08	17-21	50-55	≤1	-	2.8-3.3	0.2-0.8	0.65-1.15	margin	4.75-5.5	≤0.35	≤0.35	-	≤0.3	-	-	-	≤0.006	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	Inconel600	≤0.15	14-17	≥72	-	-	-	-	-	6—10	-	≤0.5	≤1	≤0.03	≤0.5	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	Inconel601	≤0.1	21-25	58-63	-	-	-	1-1.7	-	margin	-	≤0.5	≤1.5	≤0.02	≤0.1	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	Inconel625	≤0.1	20-23	margin	≤1	-	8—10	≤0.4	≤0.4	≤5	3.15-4.15	≤0.5	≤0.5	-	-	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	Inconelx-750	≤0.08	14-17	≥70	≤1	-	-	0.4-1.0	2.25-2.75	5—9	0.7-1.2	≤0.5	≤1	-	≤0.5	-	-	-	-	≤0.01	Strip	Rod	Plate	Forgings	
	Inconelx-751	≤0.1	14-17	≥70	-	-	-	0.9-1.5	2-2.6	5—9	0.7-1.2	≤0.01	≤1	-	≤0.5	-	-	-	-	≤0.01	Strip	Rod	Plate	Forgings	
	Hastelloy C276	≤0.02	14.5-16.5	margin	≤2.5	3-4.5	15-17	-	-	4—7	V≤0.35	≤0.08	≤1	≤0.04	-	-	-	-	-	≤0.03	Strip	Rod	Plate	Forgings	Pipes
	Hastelloy C4	≤0.09	14.5-17.5	margin	≤2	-	14-17	-	≤0.7	≤0.3	-	≤0.5	≤1	≤0.035	-	-	-	-	-	≤0.03	Strip	Rod	Plate	Forgings	Pipes
	Hastelloy C2000	≤0.01	≤23	margin	-	-	≤16	-	-	-	-	≤0.08	≤0.5	≤0.02	-	-	-	-	-	≤0.08	Strip	Rod	Plate	Forgings	Pipes

Category	Trademark	Chemical Composition																		Form				
		C	Cr	Ni	Co	W	Mo	Al	Ti	Fe	Nb	Si	Mn	P	Cu	Ce	Mg	Zr	B	S				
Corrosion Resistant Alloy	haynes188	0.05-0.15	20-24	20-24	margin	13-16	B≤0.015	La 0.03-0.12	Ag≤0.001	≤3	Pb≤0.001	≤0.015	0.2-0.5	≤0.02	≤0.07	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	
	haynes 263	0.04-0.08	19-21	margin	19-21	-	5.6-6.1	≤0.6	1.9-2.8	≤0.7	Pb≤0.002	≤0.4	≤0.6	≤0.06	≤0.2	-	-	-	-	≤0.007	Strip	Rod	Plate	Forgings	
	incoloy800	≤0.1	19-23	30-35	-	-	-	0.15-0.6	0.15-0.6	margin	-	≤1	≤1.5	≤0.03	≤0.75	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	incoloy800H	0.05-0.1	19-23	30-35	-	-	-	0.15-0.6	0.15-0.6	margin	-	≤1	≤1.5	≤0.03	≤0.75	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	incoloy800HT	0.06-0.1	19-23	30-35	-	-	-	0.15-0.6	0.15-0.6	margin	-	≤1	≤1.5	-	≤0.75	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	incoloy825	≤0.05	19-23.5	38-46	-	-	2.5-3.5	≤0.2	0.6-1.2	margin	-	≤0.5	≤1	≤0.03	1.5-3	-	-	-	-	≤0.03	Strip	Rod	Plate	Forgings	Pipes
	monel 400	≤0.3	-	≥63	-	-	-	-	-	≤2.5	-	≤0.5	≤2	-	28-34	-	-	-	-	≤0.024	Strip	Rod	Plate	Forgings	Pipes
	monel K500	≤0.25	-	≥63	-	-	-	2.3-3.15	0.35-0.85	≤2	-	≤0.5	≤1.5	-	27-33	-	-	-	-	≤0.01	Strip	Rod	Forgings		
	Nickel 201(N5)	≤0.02	-	≥99	-	-	-	-	-	≤0.4	-	≤0.3	≤0.35	-	≤0.25	-	-	-	-	≤0.01	Strip	Rod	Plate	Pipes	
	Nickel 200(N7)	≤0.15	-	≥99	-	-	-	-	-	≤0.4	-	≤0.3	≤0.35	-	≤0.25	-	-	-	-	≤0.01	Strip	Rod	Plate	Pipes	
	N6	≤0.1	-	≥99.5	-	-	-	-	-	≤0.1	-	≤0.1	≤0.05	-	≤0.1	-	-	-	-	≤0.005	Strip	Rod	Plate	Pipes	
	N4	≤0.01	-	≥99.9	-	-	-	-	-	≤0.04	-	≤0.03	≤0.002	-	≤0.015	-	-	-	-	≤0.001	Strip	Rod	Plate	Pipes	

Wire Strip Bar Plate Pipe Forging

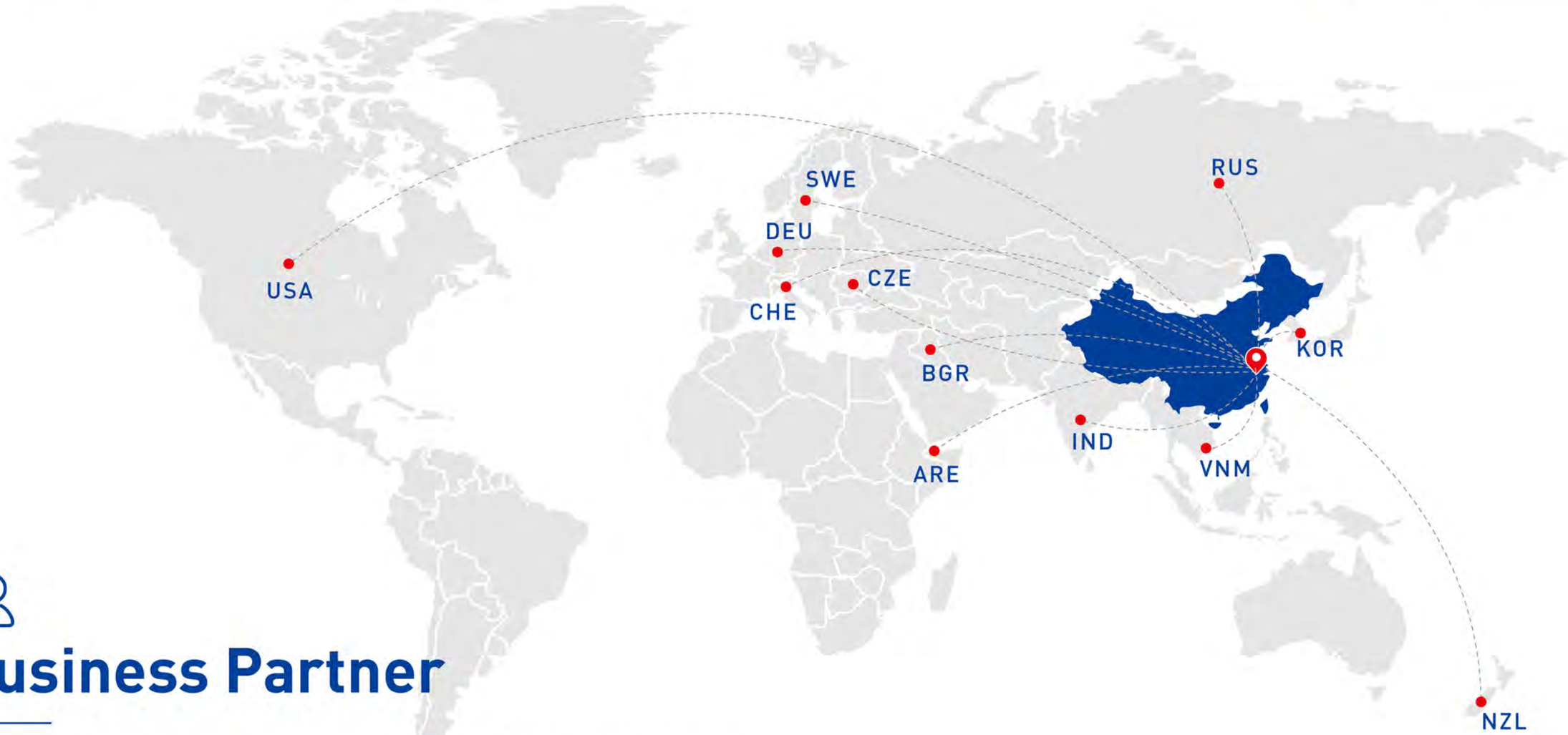
Comparison Of Domestic and Foreign Brands

Classification	Trademark
Nickel Based Welding Wire Alloy	ERNiCrMo-3,SNi6625,Inconel 625
	ERNiCrMo-4,SNi276,Hastelloy 276
	ERNiFeCr-2,SNi7718
	ERNiCu-7,SNi4060
	ERNiCr-3,SNi6082
	ERNi-1,SNi2061
	ERNiCrMo-13,SNi6059
	ERNiCrMo-10,SNi6022
	ERNiFeCr-1,SNi8065
	PS45,45CT,NiCr44Ti,SNi6072
	Ni95Al5,HCF-95,HCF-95
Expansion Alloy	Kovar,Ni29Co18,F15,4J29(China)
	Alloy 32,Super Invar,4J32(China)
	Alloy 36,Invar36,36H(Russia),W.Nr.1.3912 ,4J36(China)
	Alloy 48,K94800,Pernifer 48,Nilo 48,48HX(Russia),4J48(China)
	Alloy 52,Glass sealing 52,Pernifer 50,52H(Russia),N14052, 4J50(China)
	Alloy 42,K94100,42HA(Russia),4J42(China)
	Alloy 46,K94600,FeNi46,ASTM F30,Nilo 46,Glass sealing 46,4J46(China)
Soft Magnetic Alloy	Hyra50,NiFe50,1J50(China)
	Hiperco 50,AFK502,Supermendur,1J22(China)
	1.3910,Ni36,UNS K93600,1J36(China)
	Hyra80,1J79,(China)
Elastic Alloy	HyMu 80,Super-permalloy,Super-permalloy,1J85(China)
	36НХТЮ(Russia),Ni36CrTiAl,3J01(China)
	40ХНЮ(Russia),0Cr40Ni55Al3,3J40(China)
	40KHNM(Russia),Elgiloy alloy,Co40CrNiMo,3J21(China)

Classification	Trademark
Corrosion resistant alloy	Ni200,NO2200,Nickel200
	Ni201,NO2201,Nickel201
	Hastelloy C22,UNS NO6022
	Hastelloy C-4,UNS NO6455
	Hastelloy C-276,UNS N10276
	Hastelloy C,UNS N10002
	Hastelloy X,UNS NO6002,GH3536(China)
	Incoloy 800,UNS NO8800,W.Nr.1.4876
High Temperature Alloy	Inconel 718,UNS N07718,W.Nr.2.4668,GH4169(China)
	Inconel 625,UNS N06625,W.Nr.2.4856,GH3625(China)
	Inconel x750,UNS N07750,W.Nr.2.4669,GH4145(China)
	Inconel751,UNS N07751,GH4751(China)
	Nimonic90,UNS N07090,GH4090(China),
	Nimonic80A,GH4080A(China)
	Nimonic263,263,N07263,GH4163(China)
	UNSS66286,A286,GH2132(China)
	Inconel 600,W.Nr.2.4816 ,NiCr15Fe,GH3600(China)
	Hayness 188,Hastelloy 188,W.Nr.2.4683,GH5188(China)
	L605,UNSR30605,GH5605(China)
	ЭП693,ХН68МВКТЮР(Russia),GH4099(China)
	ЭИ602,ХН75МБТЮ(Russia),GH3039(China)
	ЭП435,ХН77ТЮ(Russia),GH3030(China)
	ЭП747(Russia),GH2747(China)
	ЭП437БГ,ХН77ТЮР(Russia),GH4033(China)
	ЭИ868,ХН60ВТ(Russia)GH3044(China)
	UNS N07041,R41 ,Carpenter 41,GH4141(China)

Specifications List

Classification	Specifications (mm)
Wire Material	Φ0.25-Φ18*C
Strip	Thk:0.1-3.5*W:5-300*C
Rod	Φ2-Φ60*L
Plate	Thk:1-100*W:300-2500*L≥300
Pipes	Φ6.0-Φ200*Φ0.6-20*L
Forged Materials	Φ50-Φ1000*L



Business Partner

The company's products are mainly sold to the United States, South Korea, the Czech Republic, India, Bulgaria, Switzerland, Russia, Saudi Arabia, the United Arab Emirates, Germany, Sweden and other countries at home and abroad.

Products are widely used in aerospace, marine valves, ship pressure vessels, petrochemical oil and gas pipelines, power station desulfurization, microwave communications, solar heat collection, new energy and other fields. The company has a professional technical team that can customize personalized alloy material solutions according to customer needs to meet the diverse needs of different industries.

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