

Our Product

LUOYANG HONGSHENG TRADING CO., LTD A Reliable Metal Materials Manufacturer in China. Located in Luoyang, Henan Province—a heavy industrial city, which is a specialized innovative metal manufacturer with professional research and development team, we have modern production lines, and rigorous quality management system. As well as the strong technical team to provide customers with high-quality technical support and services. We're committed to supporting our customer with the best materials possible, as quickly as possible, using the easiest process possible

We has a strong production and technical strength. Equipped with a series of production equipments, direct reading spectrometer, universal tensile testing machine, hardness tester and a series of advanced testing equipments to meet the different inspection requirements from customers. As a leading manufacturer of Metal materials in China, we have own R&D team, as well as a complete production system, mature production technology makes us have quite deep attainments in metal production and study independently produce. We has rooted in the metal and mechanical processing as we working in manufacturing field for many years with rich experience. The good product quality is recognized by customers all over the world. Excellent after-sales service, cost-effective, which can meet most of the needs from customers.

Alloy materials

We has two major production bases with complete production lines, covering professional workshops such as wrought alloy melting, master alloy melting, free forging, die forging and ring rolling, heat treatment, machining, rolling pipeline, solution pickling line, etc for alloy materials such as nickel-based alloys, super alloys, corrosion-resistant alloys, and special stainless steels.

The Alloy products are widely used in aerospace, nuclear power, environmental protection, petrochemical, shipbuilding, offshore engineering equipment, medical devices and other fields, providing high-quality material support for the manufacturing of high-temperature resistant, high-pressure resistant and corrosion-resistant equipment.

BARS/WIRES



Items	Bars	Wires
Delivery Status	Black Billets/Rough Turning/Peeled and Precision Turning	Straight Bars/Whole Coils/Wire Rods
Outer Diameter	ø6-400mm	×0.5-10mm
Lengths	1000-9000mm	≥1000mm
Standards	ASTMA479,ASTMA276,ASTM B637,ASTM B574, ASTM B564,GJB,HB,RCCM etc.	ASTMB166,ASTM5665,ASTM B333, GJB,HB,RCCM etc.

- ◉ HSMetal has long-term stocks of black billets and bright billets of various materials, which can be used to manufacture and process various profiles.
- ◉ HSMetal owns vacuum induction furnaces, vacuum consumable arc furnaces and electro slag remelting furnaces with different capacities ranging from 1 ton to 12 tons. According to the needs of users, it can produce billets of different sizes.
- ◉ HSMetal can provide cutting-to-length services according to users' requirements, which is beneficial for the final use and storage, reducing material waste and transportation costs.
- ◉ If you have special requirements, please contact our sales team for more support.



FORGING/FLANGES/PIPE FITTINGS



Classification	Product Type	Connection	Outer Diameter	Standard
Forging	Customized production, according to customer drawings			
Flanges	Flat Face(FF) Raised Face(RF) Male and Female Face(M&F) Tongue and Groove Face(T&G) Ring Joint Face(RJ)	Butt Welding Flange Slip-on Welding Flange Socket Welding Flange Lap Joint Flange(RJ)	Ø10-2000mm	ASTMA182 ASME B16.5 ASTM A403/A403M GJB HB RCCM etc.
Pipe Fittings	Elbow, Tee, Cross, Reducer, Cap etc.	Welding Threaded Connection Socket Connection	Ø6-2000mm	



SEAMLESS PIPE



Classification	Status	Outer Diameter (mm)	Wall Thickness (mm)	Standard
Thin-walled Pipe	Cold Rolling/Thermal Forming	5-150	0.5-2	ASTMA213 ,ASTMA269,ASTMA 789 ASTMB163 ,ASTMB167 ,GJB,HB, RCCM,etc.
Ultra-thin-walled Pipe	Cold Rolling/Thermal Forming	5-12	0.1-0.5	
Hydraulic Instrument Pipe	Cold Rolling/Thermal Forming	6-38.1	0.89-2.77	
Coiled Pipe	Cold Rolling/Thermal Forming	6-19.05	0.89-1.65	
Heat Exchanger Pipe	Cold Rolling/Thermal Forming	12-60.3	0.89-5.00	
Process Pipeline	Cold Rolling/Thermal Forming	5-475	0.89-45	ASTMA312,ASTMA790,ASTM B668,GJB, HB,RCCM etc.

© HSMetal boasts a comprehensive and state-of-the-art pipe production line, complemented by advanced bright annealing furnaces. Our production facility is equipped with multiple high precision three-roll and five-rolling mills. These cutting-edge machines are engineered to manufacture high precision pipes in a wide array of specification, catering to the diverse needs of our customers with exceptional accuracy and reliability.

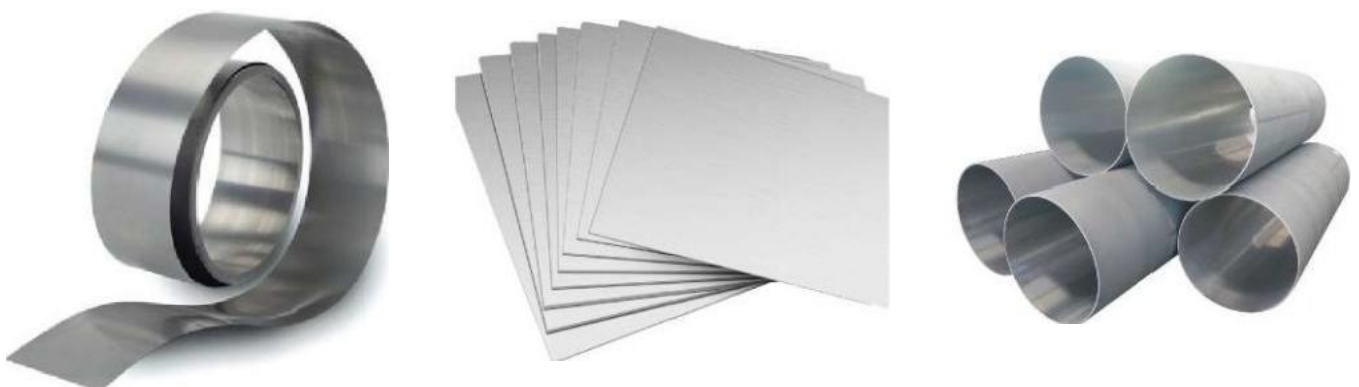


COILED SHEET/SHEET/WELDED PIPE



Classification	Thickness	Width	Length	Standard
Coiled Sheet	0.3-6mm	≤1250mm	Delivery in Whole Coils	ASTMA240/240M,ASTMB409,GJB,HB, RCCMetc.
Sheet	0.3-100mm	≤3500mm	≤12000mm	
Welded Pipe	0.3-50mm	6-1200mm	≤12000mm	ASTMA312/312M,ASTM B514, ASTMB515,GJB,HB,RCCMetc.

©Based on the characteristics of different Alloys, HSMetal adopts advanced rolling techniques.Through multiple passes of cold rolling and control by high-precision rolling mills,the surface quality of the sheet and the uniformity of its internal structure are ensured.



MATERIAL LIST

Material	GB	UNS	DIN	BS
Alloy200	N5	UNS N02200		
Alloy 201	N7	UNS N02201		
Alloy 800	NS1101	UNS N08800	1.4876(X10NiCrAlTi3220)	NA15
Alloy 800H	NS1102	UNS N08810	1.4958(X5 NiCrAlTi 31-20)	NA15(H)
Alloy 800HT	NS1104	UNS N08811	1.4959(X8NiCrAlTi 32-21)	
Alloy8120	NS1502	UNS N08120		
Alloy 825	NS1402	UNS N08825	2.4858(NiCr21Mo)	NA16
Alloy 600	NS3102	UNS N06600	2.4816(NiCrI 5Fe)	NA14
Alloy 601	NS3103	UNS N06601	2.4851(NiCr23Fe)	
Alloy 617		UNS N06617	2.4663(NiCr23Co12Mo)	
Alloy 625	NS3306	UNS N06625	2.4856(NiCr22Mo9Nb)	NA21
Alloy 690	NS3105	UNS N06690	2.4642(NiCr29Fe)	
Alloy 400		UNS N04400	2.4360(NiCu30Fe)	NA 12
Alloy K500		UNS N05500	2.4375	
Alloy B	NS3201	UNSN10001		
Alloy B-2	NS3202	UNSN10665	2.4617(NiMo28)	
Alloy B-3	NS3203	UNSN10675	2.4610(NiMo16Cr16Ti)	
Alloy C276	NS3304	UNS N10276	2.4819(NiMo16Cr15W)	NC17D
Alloy C2000	NS3303	UNS N06200		
Alloy C-22	NS3308	UNS N06022	2.4602	
Alloy C-4	NS3305	UNS N06455		
Alloy 20	NS1403	UNS N08020	2.4660(NiCr20CuMo)	
Alloy 28	NS1404	UNS N08028		
Alloy 31		UNS N08031	1.4562(X1NiCrMoCu32-28-7)	
Alloy 718	GH4169	UNS N07718	2.4668(NiCr19Fe19Nb5Mo3)	NA51
Alloy925	NS2401	UNS N09925	2.4852	
Alloy 926		UNS N08926	1.4529(X1NiCrMoCu)	X1NiCrMoCu
AlloyX-750	GH4145	UNS N07750	2.4669(NiCr15Fe7TiAl)	
254SMO		UNS S31254	1.4547	
904L		UNS N08904	1.4539	
Alloy X	GH 3536	UNS N06002	2.4665	
Alloy 783	GH4783	UNS R30783		
Alloy 80A	GH 4080A	UNS N07080	2.4952	
Alloy 188	GH5188	UNS R30188	2.4683	

Alloy	Grade	Chemical Composition																		Form					
		C	Cr	Ni	Co	W	Mo	AL	Ti	Fe	Nb	Si	Mn	P	Cu	Ce	Mg	Zr	B						S
Super Alloy	GH4J169	≤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	≤0.015	≤0.3	-	≤0.01	-	≤0.006	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	GH615	≤0.08	14-17	margin	≤1	-	-	0.4-1.0	2.25-2.75	5.0-9.0	0.7-1.2	≤0.5	≤1	≤0.015	≤0.5	-	-	-	-	≤0.01	Strip	Rod	Plate	Forgings	Pipes
	GH4090	≤0.13	18-21	margin	15-21	-	-	1.0-2.0	2.0-3.0	≤1.5	-	0.80	≤0.4	≤0.02	≤0.2	-	-	≤0.015	≤0.02	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	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	Pipes
	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	Pipes
	GH3600	≤0.15	14-17	≥72	-	-	-	≤0.35	≤0.5	6.0-10	≤1	≤0.5	≤1	0.040	≤0.5	-	-	-	-	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	GH2747	≤0.1	15-17	44-46	-	-	-	2.9-3.9	-	margin	-	≤1	≤1	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	-	≤0.8	0.50	0.013	-	0.005	-	≤0.006	≤0.005	≤0.013	Strip	Rod	Plate	Forgings	Pipes
	GH3044	≤0.1	23.5-26.5	margin	-	13.0-16	≤1.5	≤0.5	0.3-0.7	≤4	-	0.80	0.50	0.013	0.007	-	-	-	-	≤0.013	Strip	Rod	Plate	Forgings	Pipes
	GH4033	≤0.06	19-22	margin	-	-	-	0.6-1	2.4-2.8	≤1	-	0.65	≤0.4	0.015	-	≤0.02	-	-	≤0.01	≤0.007	Strip	Rod	Plate	Forgings	Pipes
	GH4738	0.03-0.08	18-21	margin	12-15	-	3.5-5	1.2-1.6	2.75-3.25	≤2	-	0.15	≤0.1	0.015	-	-	-	0.02-0.08	0.003-0.01	≤0.015	Strip	Rod	Plate	Forgings	Pipes
	GH4141	0.06-0.12	18-20	margin	10-12	-	9-10.5	1.4-1.8	3-3.5	≤5	-	0.50	≤0.5	0.015	≤0.1	-	-	≤0.007	0.003-0.01	≤0.015	Strip	Rod	Plate	Forgings	Pipes
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	≤0.4	≤0.5	0.015	≤0.5	≤0.03	-	-	≤0.006	≤0.01	Strip	Rod	Plate	Forgings	Pipes	

Alloy	Grade	Chemical Composition																			Form				
		C	Cr	Ni	Co	W	Mo	AL	Ti	Fe	Nb	Si	Mn	P	Cu	Ce	Mg	Zr	B	S					
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	

Alloy	Grade	Chemical Composition																		Form					
		C	Cr	Ni	Co	W	Mo	AL	Ti	Fe	Nb	Si	Mn	P	Cu	Ce	Mg	Zr	B						S
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	-	0.3-0.5	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	-	-	1.6-1.85	-	-	margin	-	1.3-1.7	1.8-2.2	≤ 0.03	-	-	-	-	-	≤ 0.02	Strip	Rod			

Alloy	Grade	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	Inconel 718	≤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
	Inconel 600	≤0.15	14-17	≥72	-	-	-	-	-	6-10	-	≤0.5	≤1	≤0.03	≤0.5	-	-	-	-	0.015	Strip	Rod	Plate	Forgings	Pipes
	Inconel 601	≤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
	Inconel 625	≤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	-	-	≤6	-	-	-	-	≤0.08	≤0.5	≤0.02	-	-	-	-	-	0.08	Strip	Rod	Plate	Forgings	Pipes

	Grade	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	Fb≤0.001	≤0.015	0.2-0.5	≤0.02	≤0.07					≤0.015	Strip	Rod	Plate	Forgings	
	Haynes263	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	9-23.5	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	-	-				≤25	-	≤0.5	≤2	-	28-36					≤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	-	≤0.2	≤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	