JINDALAI

STEEL & POWER

A LEADING STEEL GROUP IN CHINA

ONE-SOTP METAL SUPPLIER

Honesty&Integrity&Practicality&Quality

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1. Company Introduction

JINDALAI STEEL GROUP was founded in 2010 with a registered capital of 6 million, covering an area of 50000 square meters, and currently has 120 employees. We take “Integrity, Practicality and Quality” as our Service Aim, “Credibility for Development, Quality for Continuity, and Sincerity for Friends” as our Business Philosophy and “Quality and Customer First" as our Principle. We have won the trust and full support of friends from all walks of life.

In 2014, JINDALAI actively responded to severe challenges, we accelerated system optimization, adjusted product structure, promoted technological innovation, paid close attention to cost reduction and efficiency increase, innovated marketing mechanism, and spared no effort to expand the market. Annual sales of 30,000 tons of steel, achieving a turnover of 250 million RMB.

Standing at a new point, JINDALAI will deeply implement the scientific outlook on development, deepen internal reform, highlight cost reduction and efficiency increase, strengthen main business, create a new industrial pattern, actively promote enterprise transformation and upgrading. We will continuously enhance our competitive strength and make positive contributions to promoting the growth of international trade and the development of the world economy.

The company's main products:

Steel Pipe Series (seamless pipe, alloy pipe, precision bright pipe, square pipe, welded pipe, spiral pipe, special-shaped pipe, galvanized pipe)

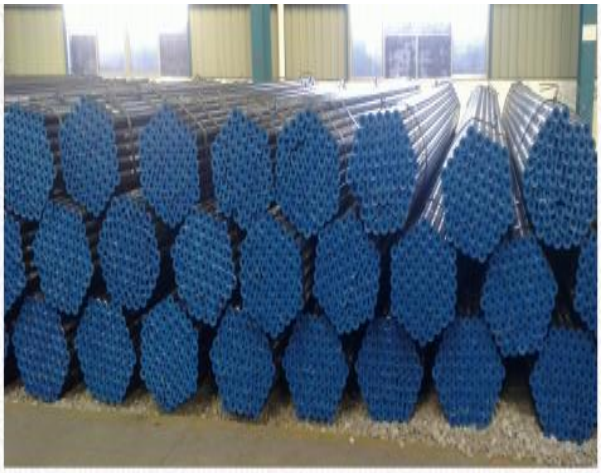
Steel Plate Series (galvanized steel plate, galvanized corrugated plate, hot rolled plate, alloy plate,wear resistant steel plate, checkered plate, diamond plate)

Bar Series (alloy round bar, cold drawn bright round bar, square bar, hexagonal bar, flat bar, angle bar)

Flange and bearing washer: (flange, bearing washer, flange washer)

2. Main Products and Grades

2.1 Steel Pipe Series：API 5L Gr.B, ASME SA-335M, ASMESA-213M, Q345B, 10 #, 20#, 35#, 45#，16Mn，40Cr，42CrMo，27SiMn，35CrMo，15CrMoG，12Cr1MoV，20CrMnTi, etc.



产品名称、材质及生产标准

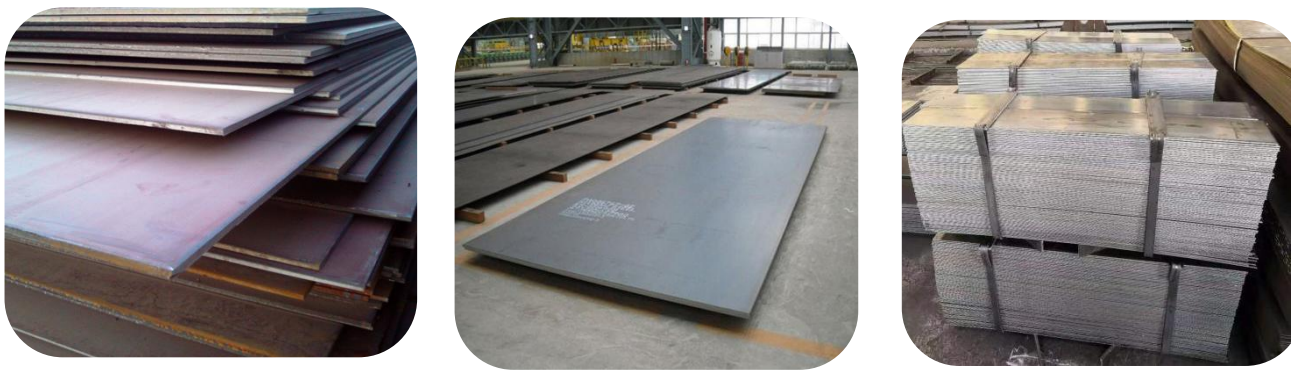
序号	名称	材质
1	结构用无缝钢管	10、20、35、45、Q345、40Mn2、45Mn2、27SiMn、20Cr、40Cr、20CrMo、35CrMo、38CrMoAl、50CrV、30CrMnSi
2	输送流体用无缝钢管	10、20、Q345A、Q345B、Q345C、Q345D
3	油套管、接箍料	H40、J55、K55、N80、M65、L80、C90、C95、T95、P110
4	管线管	B、X42、X46、X52、X60、X65、X70、X80
5	液压支柱用热轧无缝钢管	20、35、45、27SiMn、30MnNbRe
6	中低压锅炉管和高压锅炉管	10、20、20G、20MnG、25MnG、15MoG、20MoG、12Cr1MoVG、15CrMoG、12Cr2MoG、12Cr2MoWVTiB
7	冷拔精密无缝钢管	10、20、35、45、20CrMo、45Mn2、42CrMo
8	汽车半轴管用无缝钢管	45、45Mn2、40MnB、40Cr、20CrNi3A
9	钻探用无缝钢管	ZT380、ZT490、ZT520、ZT540、ZT590、ZT640、ZT740
技术标准	GB/T8162、GB/T8163、GB5310、GB3087、GB/T17396、JISG3445、ASTMA106、ASTMA335、ASTMA179、ASTMA519、EN10297、EN10210-1、EN10210-2、EN10025、EN10216、DIN1626、DIN1629、DIN17175、API5CT、API5L	

NAME	STANDARD	APPLICATION	GRADE(MATERIAL)	SIZE
Seamless steel pipe for structure	GB/T8162-2008, ASTM A500, ASTM A501, ASTM A519, JIS G3441, JIS G3444	Applicable to various structures in construction, machinery, transportation, aviation, oil exploitation and other industries; Low alloy high-strength structural pipes are suitable for infrastructure construction such as large venues, bridges, TV towers, high-rise buildings, factories and workshops.	20#、25#、35#、45#、16Mn、20Mn、25Mn、Q235、Q275、Q295、0345、0390、0420、40Mn2、45Mn2、27SiMn、30CrMnSi、20Cr、40Cr、20CnMo.35CrMo、42CrMo、20CrMoTi、37Mn5、S235、S355、SS330、SS400、SAE1020、SAE1025、E355	Φ22—Φ356*3—75MM
Seamless steel pipe for fluid transport	GB/T8163, GB/T18984, ASTM A53, ASTM A106, EN1O216, EN1O217, JIS G3452	It is used for conveying water, gas, air, oil, warm steam and other low-pressure fluids.	20#、Q295、0345、Q390、0420、0460、S235、S355、SS330、SS400、SAE1020, SAE1025、E355	Φ20—Φ356*3—75MM
Oil line pipe	API SPEC 5L	It is widely used in the fields of fluid transportation, natural gas, steel structures, ships, heat, oil pipelines, reclamation and piling, etc.	Gr.B、X42、X46、X52、X60、X65、X70、X80	Φ22—Φ356*3—75MM
Oil casing tubes	API SPEC 5CT	It is used for extracting oil from oil wells or natural gas.	H40、J55、K55、N80、M65、L80、C90、C95、T95、P110	Φ22—Φ356*3—75MM
Galvanized steel pipe	ASTM JIS DIN、DINEN	Galvanized pipes are widely used for water transmission, gas, oil and other general low-pressure fluids. They are also used as oil well pipes and oil transmission pipes in the petroleum industry, especially in offshore oil fields, as well as pipes for oil heaters, condensing coolers, coal distillation oil washing exchangers of chemical coking equipment.	Q215A, Q215B, Q235A, Q235B	1/8inch—20inch

2.2 Steel Plate Series:

2.2.1 Hot rolled plate/coil: A992, A36, A572, GR50, SS400, SS490, GRADE300, GRADE350, S235JR, S275JR, S275J2, S355JR, S355J0, S355J2, S355J2+N, S355N Q235A/B/C/D/E, Q355

Prodcut Display



GRADE	STANDARD	EQUIVALENT STANDARD & GRADE	APPLICATION
Q195 Q215A Q215B	GB 912 GB/T3274	JIS G3101 SS330, SPHC, SPHD	Structural components and stamping parts for engineering machinery, transportation machinery, construction machinery, hoisting machinery, agricultural machinery and light industry
Q235A		JIS 3101 SS400 EN10025 S235JR	
Q235B		JIS 3101 SS400 EN10025 S235J0	
Q235C		JIS G3106 SM400A SM400B EN10025 S235J0	
Q235D		JIS G3106 SM400A EN10025 S235J2	
SS330 SS400	JIS G3101		
S235JR+AR S235J0+AR S275JR+AR S275J0+AR	EN10025-2		

Prodcut Application

Aviation Field

Rail Transit

Windmill Field

Processing Industry

Chemical Industry

Industrial Pipeline

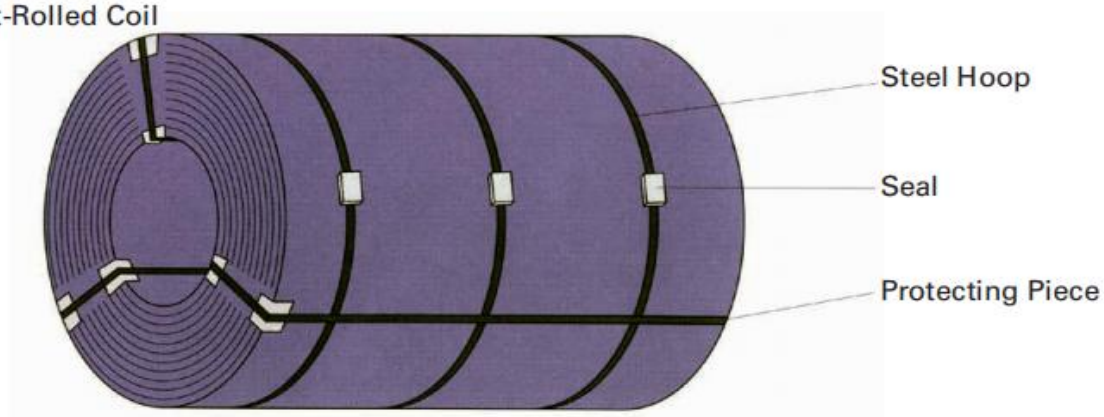
Packaging and labeling / Instructions for ordering

Packaging and labeling

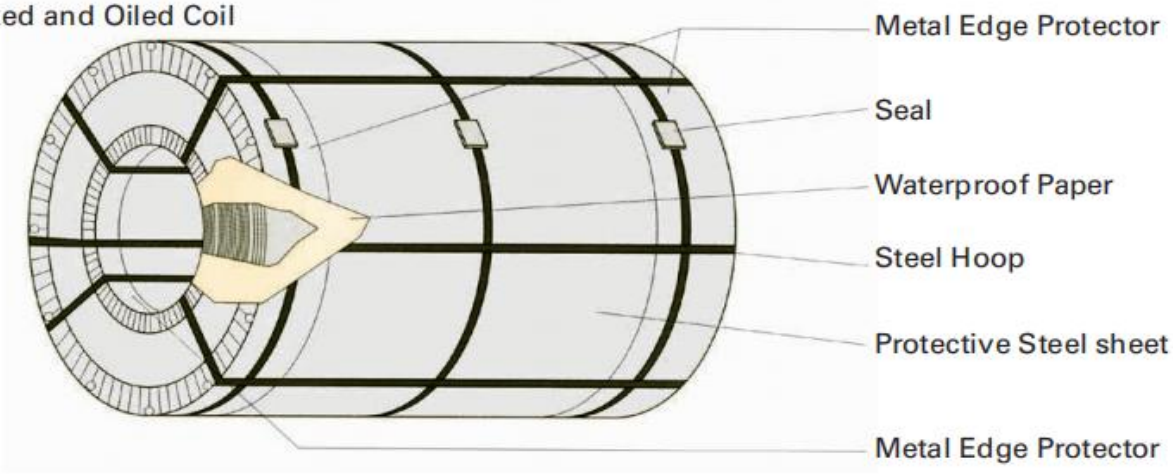
Packaging

Products are packaged according to applicable standards and preserved in a properly controlled environment until shipment.

● Hot-Rolled Coil



● Picked and Oiled Coil



Labels showing the product standard, dimensions, weight, and product serial no. are attached to the product

Instructions for ordering

When ordering, please give detailed information, including the following.

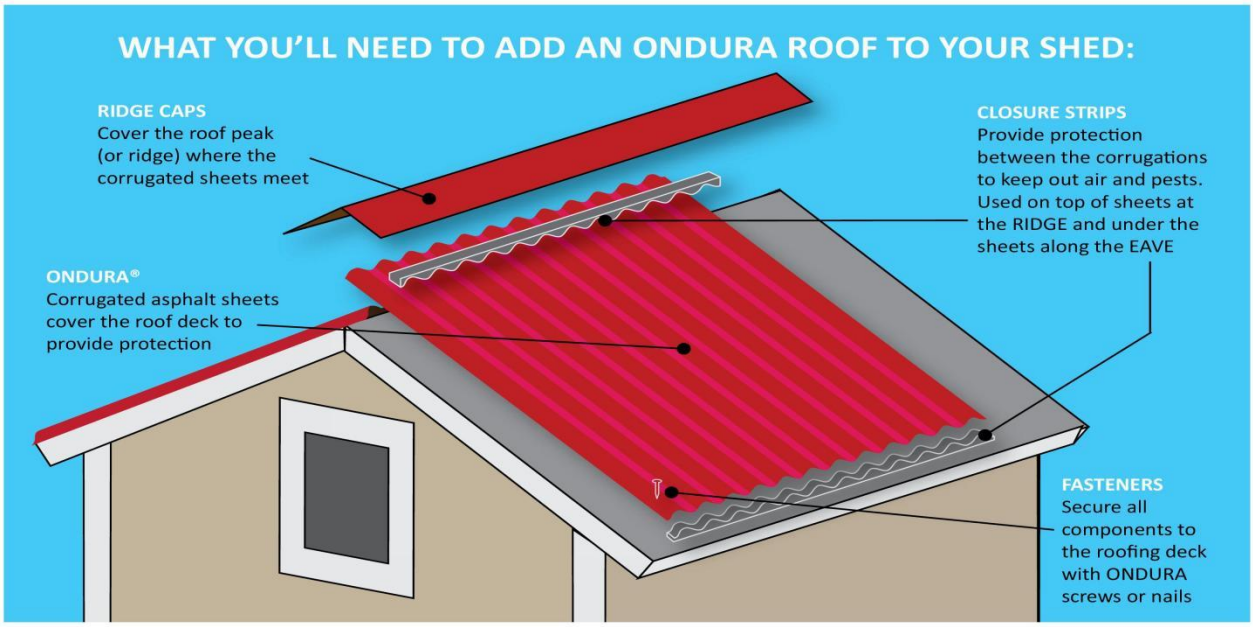
Detailed information on product requirements;
Standard, dimensions, quantity, surface finish, packaging specifications (inner and outer diameter, mass conditions), delivery date requirements

Application and processing method

Intended application, processing method, any heat treatments, welding, and/or surface treatment to be applied, and any other requirements.

2.2.2 Galvanized steel plate/coil, PPGI, PPGL:

DX51D+Z/AZ, DX52D+Z/AZ, DX53D+Z/AZ, DX54D+Z/AZ, ASTM A653 G30, ASTM A792, JIS SGCC, DC51D+Z, TDX51D+Z/AZ, TDX52D+Z/AZ, TDX53D+Z/AZ, TDX54D+Z/AZ, etc.



Process Display

1

2

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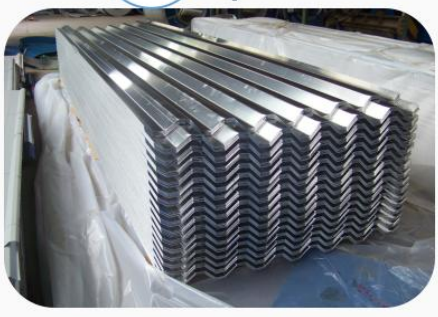

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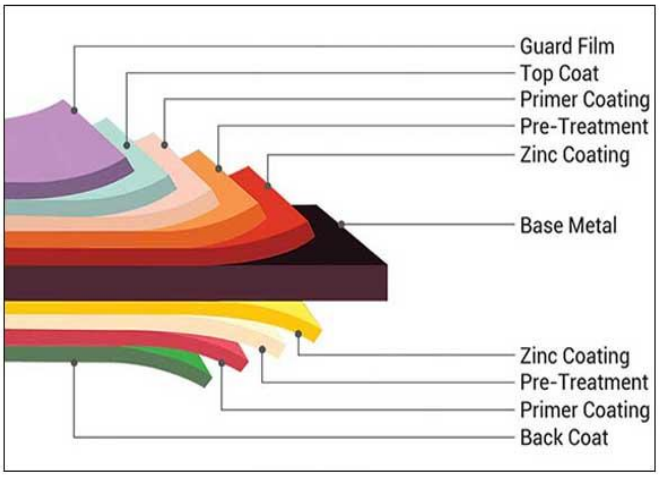
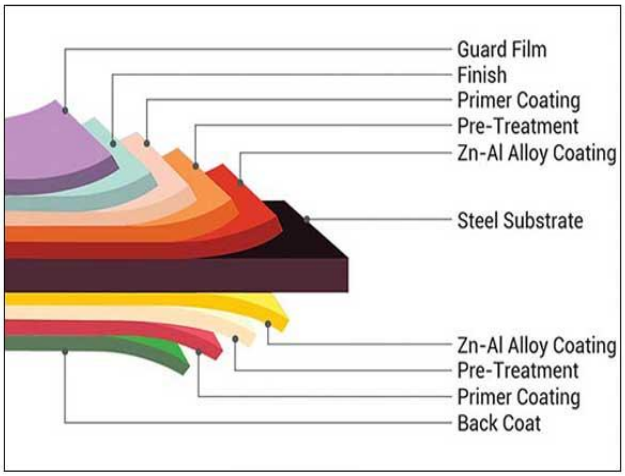
Applications of galvanized / Pre-painted Galvanized / Aluzinc (GI / PPGI / PPGL) Coils	
Roofing and Cladding (Single Skin)	Kitchen appliances such as Ovens, Ranges, Sinks, Kitchen Units, Shelves, Toilet Strands, and Cooker Wrapper
Sandwich Panel (Double Skin)	Automatic Doors, Internal partition
Designing, Interior Cladding	Home appliance industry
Farm Equipment, Greenhouses, Silos, Barns	Vehicle manufacturing industry
Fencing, Lighting,Ceiling accessories	Cold Rooms, Shelves, Water Chillers, Water Coolers, Water Heaters & HVAC units
General everyday products like Vending Machines, Display Cases, Cans, Bins, and Signboards	

Structure Diagram

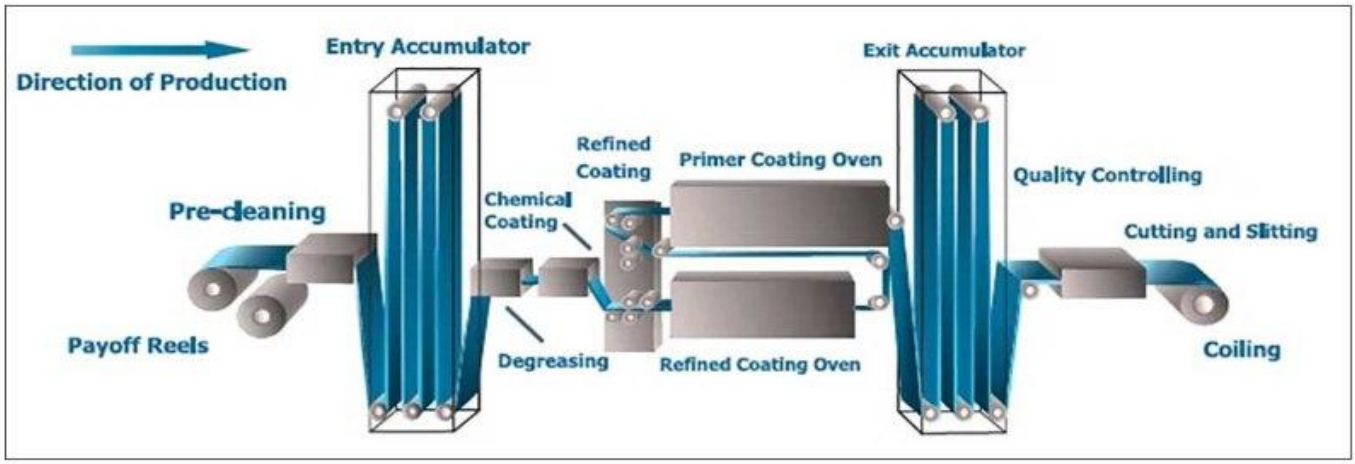


PPGI



PPGL

Production Process Diagram



2.3 Bar Series: Q235, Q355, 42CrMoA, 40Cr, T12, 45#, ASTMA36, AISI4130, AISI4140, AISI5140, SCr440, 41CrMo4, ASTMA276, ASTMA484, ASTMA484M, DIN671, DIN10025, GB1220, SS400, SM490A, HEB220, HEM400, PFC200 G300, S275JR, S355JR, S355J0, S355K2, SAE8620H, etc.

		C	Mn	Cr	Ni	Mo	Other	Type of Steel	Typical Applications
CARBON	M1020	0.20	0.60					Low Carbon	Low strength steel for non-critical applications
	M1030	0.30	0.60					Medium Carbon	For non-critical applications with higher strength than M1020
	1045	0.45	0.60					Medium Carbon	Medium strength steel which can be through hardened (small sections)
	1214FM	≤ 0.15	0.95				S = 0.32, P = 0.08	Free Machining	Low-strength but highly machinable steel for repetition engineering
	12L14FM	≤ 0.15	1.15				S = 0.32, P = 0.08, Pb = 0.25	Free Machining	Low-strength steel suitable for high-speed machining in repetition engineering environment
	Micro900	0.38	1.35				Al = 0.022, Ti = 0.013, V = 0.11	Micro-alloy	Medium-high stress, **alternative to 1045 and 4140**, very good weldability and machinability
LOW-ALLOY	4140	0.40	0.90	0.90		0.25		Through Hardening	Medium-high stress in smaller cross-sections, has good fatigue properties
	4340	0.40	0.75	0.80	1.80	0.30		Through Hardening	Permanent/fluctuating stress, larger cross-sections
	6582	0.34	0.65	1.50	1.60	0.25		Through Hardening	Permanent/fluctuating stress, larger cross-sections with high core strength; **preferred alternative to 4340**
	6580	0.30	0.45	2.00	2.00	0.40		Through Hardening	Highest dynamic stresses, excellent fatigue properties, **preferred alternative to En25/En26**
	Hy-Tuf	0.25	1.35	0.30	1.80	0.40	Si = 1.50	Through Hardening	Medium stresses combined with high ductility requirement
	En25	0.30	0.60	0.65	2.55	0.55		Through Hardening	Highest dynamic stresses
	En26	0.40	0.60	0.65	2.55	0.55		Through Hardening	Highest dynamic stresses
	8620H	0.20	0.75	0.55	0.55	0.20		Case Hardening	Small diameter transmission parts, medium-low stress exposure
	6587	0.18	0.65	1.65	1.55	0.30		Case Hardening	Transmission parts subject to highest stresses and wear conditions
	6657	0.14	0.45	0.95	3.25	0.20		Case Hardening	Parts subject to highest stresses and wear conditions, high core strength and toughness required, **preferred alternative to En36A, can replace En39B** in certain applications
	En36A	0.13	0.50	0.85	3.35			Case Hardening	Transmission parts subject to highest stresses and wear conditions
	En39B	0.15	0.40	1.20	4.10	0.20		Case Hardening	Parts subject to highest stresses, high core strength and toughness required
	XP1600	0.25	1.60	2.00			Cu, Nb, Ti	Wear Resistant	Highest dynamic stresses combined with abrasive wear environment
STAINLESS	303	0.07	≤ 2.00	18.0	8.0			Free Machining Austenitic	Repetition engineering for general parts manufacture
	304	0.05	≤ 2.00	19.0	8.0			Austenitic Stainless	Food processing, fasteners and springs
	316	0.05	≤ 2.00	17.0	10.0	2.0		Austenitic Stainless	More corrosion resistance required than 304 in similar applications
	420	0.2	≤ 1.00	13.0				Martensitic	High-strength components in fluid applications like shafts and sleeves
	431	0.15	≤ 1.00	16.0	1.9			Martensitic	High-strength shafts, fasteners with higher corrosion resistance than 420
	329	0.03	≤ 1.00	25.0	3.5	1.5		Duplex	Medium stress with excellent corrosion resistance required
	2205	0.02	≤ 2.00	22.0	5.5	3.0	N = 0.15	Duplex	Medium stress with excellent corrosion resistance required
	UR52N+	0.02	≤ 1.50	25.0	6.8	3.5	Cu = 1.8, N = 0.30	Super-Duplex	High-stress with excellent corrosion resistance required

GRADE QUICK REFERENCE CHART

Mechanical Properties of cold drawn steel bar

Grade	Condition	MPa Tenslle Point	Yield Point	Elongation
1020	CW	≥414	≥483	≥5%
	SR	≥345	≥448	≥10%
	A	≥193	≥331	≥30%
	N	≥234	≥379	≥22%
1025	CW	≥448	≥517	≥5%
	SR	≥379	≥483	≥8%
	A	≥207	≥365	≥25%
	N	≥248	≥379	≥22%
4130	SR	≥586	≥724	≥10%
	A	≥379	≥517	≥30%
	N	≥414	≥621	≥20%
4140	SR	≥689	≥855	≥10%
	A	≥414	≥552	≥25%
	N	≥621	≥855	≥20%

Equal Angle Steel Bar Sizes									
Size (MM)	Weight (KG/M)	Size (MM)	Weight (KG/M)	Size (MM)	Weight (KG/M)	Size (MM)	Weight (KG/M)	Size (MM)	Weight (KG/M)
20*3	0.889	63*8	7.469	90*10	13.476	130*10	19.800	180*18	48.634
20*4	1.145	63*10	9.151	90*12	15.940	130*12	23.600	200*14	42.894
25*2	0.763	65*5	5.000	100*6	9.366	130*13	25.400	200*15	45.300
25*4	1.459	65*6	5.910	100*7	10.830	130*14	27.200	200*16	48.680
30*2	0.922	65*8	7.660	100*8	12.276	130*16	30.900	200*18	54.401
30*3	1.373	70*5	5.397	100*10	15.120	140*10	21.488	200*20	60.056
30*4	1.786	70*6	6.406	100*12	17.898	140*12	25.522	200*24	71.168
40*3	1.852	70*7	7.398	100*16	23.257	140*14	29.490	200*25	73.600
40*4	2.422	70*8	8.373	110*7	11.928	140*16	33.393	220*16	53.901
40*5	2.976	75*5	5.818	110*8	13.532	150*9	20.700	220*18	60.250
45*4	2.736	75*6	6.905	110*10	16.690	150*10	23.000	220*20	66.533
45*5	3.369	75*7	7.976	110*12	19.782	150*12	27.300	220*22	72.751
50*3	2.332	75*8	9.030	110*14	22.809	150*14	31.600	220*24	78.902
50*4	3.059	75*10	11.089	120*8	14.880	150*15	33.800	220*26	84.987
50*5	3.770	75*9	10.060	120*10	18.370	160*10	24.729	250*18	68.956
50*6	4.465	80*5	6.211	120*12	21.666	160*12	29.391	250*20	76.180
56*4	3.446	80*6	7.376	120*10	18.370	160*14	33.987	250*24	90.433
56*5	4.251	80*7	8.525	120*12	21.666	160*16	38.581	250*25	93.770
60*5	4.520	80*8	9.658	125*8	15.504	175*12	31.800	250*26	97.461
60*6	5.420	80*10	11.874	125*10	19.133	175*15	39.400	250*28	104.422
63*4	3.907	90*6	8.350	125*12	22.696	180*12	33.159	250*30	111.318
63*5	4.822	90*7	9.656	125*14	26.193	180*14	38.382	250*32	118.149
63*6	5.721	90*8	10.946	130*9	17.900	180*16	43.542	250*35	128.271

Unequal Angle Steel Sizes					
Size (MM)	Theoretical weight (KG/M)	SIZE (MM)	Theoretical weight (KG/M)	SIZE (MM)	Theoretical weight (KG/M)
125*75*7	10.700			180*110*12	26.464
125*75*8	12.200	100*80*8	10.946	180*110*14	30.589
125*75*9	13.600	100*80*10	13.476	180*110*16	34.649
125*75*10	15.000	110*70*6	8.350	200*125*12	29.761
125*75*12	17.800	110*70*7	9.656	200*125*14	34.436
45*30*4	2.251	110*70*8	10.946	200*125*16	39.045
50*32*4	2.494	110*70*10	13.476	200*125*18	43.588
56*36*4	2.818	125*80*7	11.066	200*125*20	47.885
63*40*5	3.466	125*80*8	12.551	100*75*6	8.060
63*40*6	3.920	125*80*10	15.474	100*75*7	9.340
75*50*5	4.638	125*80*12	18.330	100*75*8	10.600
75*50*6	4.808	140*90*8	14.160	100*75*9	11.800
75*50*8	5.699	140*90*10	17.475	100*75*10	13.000
90*56*6	7.431	140*90*12	20.724	100*75*12	15.350
90*56*8	6.717	140*90*14	23.908	150*90*8	14.700
100*63*6	8.779	160*100*10	19.872	150*90*9	16.400
100*63*8	7.550	160*100*12	23.592	150*90*10	18.200
100*63*10	9.878	160*100*14	27.035	150*90*12	21.600
100*80*6	12.142	160*100*16	30.835	200*100*10	23.000
		180*110*10	22.273	200*100*12	27.620
				200*100*15	30.040

2.4 Flange and bearing washer:

2.4.1 Flange

	TYPE	STANDARD	PRESSURE CLASS
	SLIP- ON FLANGE (RAISED FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	SLIP- ON FLANGE (FLAT FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	BLIND FLANGE (RAISED FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	BLIND FLANGE (FLAT FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	SOCKET WELDING FLANGE (RAISED FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 1500#
	SOCKET WELDING FLANGE (FLAT FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 1500#
	THREADED FLANGE (RAISED FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	THREADED FLANGE (FLAT FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	WELDING NECK (RAISED FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	WELDING NECK (FLAT FACE)	ASME / ANSI B16.5	150#, 300#, 600#, 900#, 1500#
	SLIP-ON LAP JOINT FLANGE	ASME / ANSI B16.5	150#, 300#, 600#

Forging flange standard series

American Standard Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
MSS SP-44-2010	12"-60"	Class 150,300,600,900
MSS SP-44-2010 ->USE ANSI B 16.5	1/2"-10"	Class 150,300,600,900,1500,2500
ANSI B 16.47(90)	26"-60"	Class 150,300,600,900
ASME B 16.5(96)	1/2"-24"	Class 150,300,600,900,1500,2500
ISO7005-1(92)	1/2"-24"	PN2.0 5.0 11.0 15.0 26.0 42.0
BS4504-3.1(89)	1/2"-24"	Class 150,300,600,900,1500,2500
JPI 7S-15-93	1/2"-24"	Class 150,300,600,900,1500,2500
NF E29-203	1/2"-24"	PN2.0 5.0 11.0 15.0 26.0 42.0
API605-81	26"-60"	Class 150,300,600
ASME B 16.36(96)	1"-24"	Class 300,400,600,900,1500,2500

German Standard Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
DIN 2630 WN	DN1200-DN2400	1 Bar
DIN 2631 WN	DN10-DN3600	6 Bar
DIN 2632 WN	DN200-DN3000	10 Bar
DIN 2633 WN	DN10-DN2000	16 Bar
DIN 2634 WN	DN200-DN1000	25 Bar
DIN 2635 WN	DN10-DN500	40 Bar
DIN 2636 WN	DN10-DN400	64 Bar
DIN 2637 WN	DN10-DN350	100 Bar
DIN 2638 WN	DN10-DN300	160 Bar
DIN 2573 PL	DN10-DN500	6 Bar
DIN 2576 PL	DN10-DN500	10 Bar
DIN 2527 PL	DN10-DN500	6 10 16 25 40 Bar
DIN 2501 WN	DN15-DN500	10 16 25 40 63 100 160 250 320 400 Bar
DIN 2566 TH	DN15-DN500	10 16 Bar
DIN 2655 PL	DN15-DN500	0.25 0.6 1.0 1.6 2.5 4.0 Bar
DIN 2656 PL	DN15-DN500	0.25 0.6 1.0 1.6 2.5 4.0 Bar

Japanese Standard Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
JIS B 2220 PL	DN10-DN400	5K
JIS B 2220 SO	DN450-DN1000	5K
JIS B 2220 PL	DN10-DN225	10K
JIS 2220 SO	DN250-DN1000	10K
JIS 2220 SO	DN10-DN1200	16K 20K 30K
JIS 2220 WN	DN15-DN400	30K

National Standard Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
GB/T 9112-9113.4-2000	DN10-DN2000	PN 0.25 0.6 1.0 2.5 4.0 6.3 10.0 16.0 Mpa
JB/T 74-86.2-94	DN10-DN1600	PN 0.25 0.6 1.0 2.5 4.0 6.3 10.0 16.0 20.0 Mpa
HG 20592-20626-97	DN10-DN2000	PN 0.25 0.6 1.0 2.0 2.5 4.0 5.0 6.3 10.0 11.0 15.0 16.0 25.0 26.0 42.0 Mpa
SH 3406-96	DN10-DN1500	PN 1.0 2.0 5.0 6.8 10.0 15.0 25.0 42.0 Mpa
GB/T 17241.1-17241.7	DN10-DN4000	PN 0.25 0.6 1.0 1.6 2.0 2.5 4.0 5.0 Mpa
GB/T 15530.1-15530.8	DN10-DN1800	PN 0.6 1.0 1.6 2.0 2.5 4.0 5.0 Mpa

Power Ministry Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
D-GD86-0510-0537	DN15-DN2000	PN 0.25 0.6 1.0 1.6 2.5 4.0 6.4 10.0 Mpa
DG0511-0541	DN15-DN1000	PN 0.25 0.6 1.0 1.6 2.5 4.0 6.4 10.0 20.0 32.0 Mpa

Pressure Vessel Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
JB/T 4701-2000	DN300-DN2000	PN 0.25 0.6 1.0 1.6 10.0 Mpa
JB/T 4702-2000	DN300-DN3000	PN 0.25 0.6 1.0 1.6 2.5 4.0 Mpa
JB/T 4703-2000	DN300-DN2000	PN 0.6 1.0 1.6 2.5 4.0 6.4 Mpa

Shipping Series

STANDARD CODES	NOMINAL SIZE	PRESSURE GRADE
GB573-581-76	DN20-DN500	PN 0.6 1.0 1.6 2.5 4.0 6.4 Mpa
GB2506-2507-89	DN10-DN2000	PN 0.25 0.6 1.0 1.6 2.5 Mpa
GB4450-84	DN20-DN500	PN 0.6 1.0 1.6 Mpa
GB10746-10749-89	DN10-DN600	PN 0.6 1.0 1.6 2.5 4.0 6.4 Mpa

➤ Product Details

WN Flange

Blind Flange

Slip On Flange

Socket Weld Flange

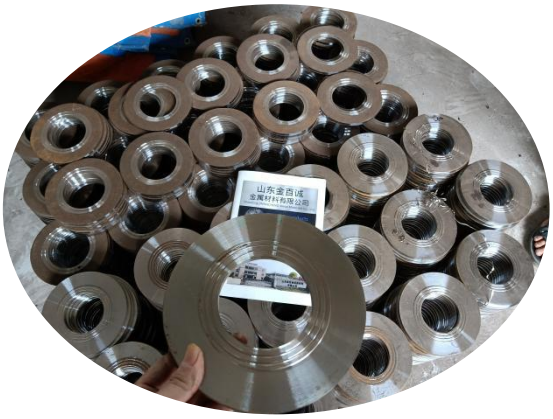
Lap Joint Flange

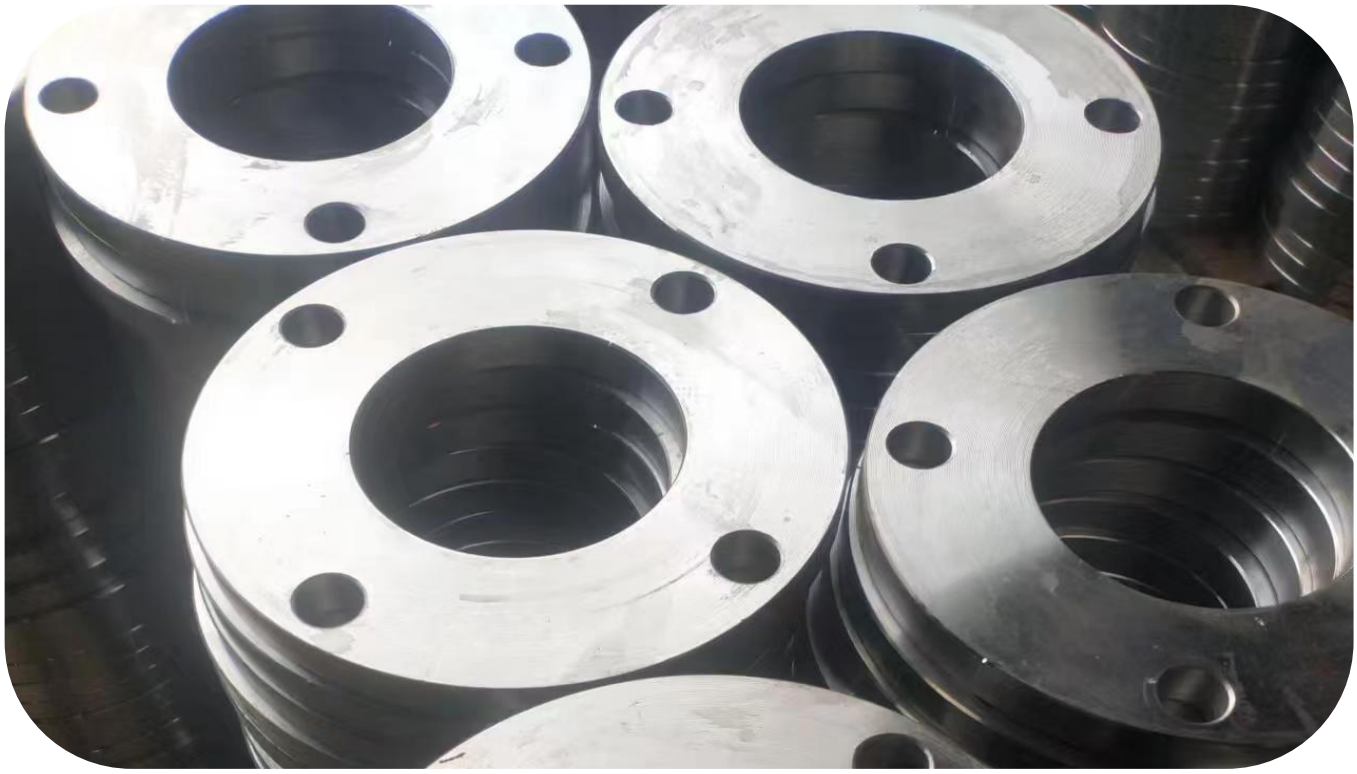
Threaded Flange

Orifice Flange

Spectacle Blind Flange

2.4.2 Bearing washer





TYPE OF WASHER	GRADE	PICTURE
Flat Washers are an essential product for any construction application with endless applications. Commonly used to eliminate damage via scratching to an object when tightening a nut or to increase the bearing surface and distribute the load of the threaded fastener over the washer preventing deformation of the bearing surface.	Hot-dip galvanizing SS304 SS316 Q235 SS400 S235JR S235J0 S235J2 S275JR S275J2 S355JR	
Mudguard Washers are an essential product for any construction application with endless applications. Commonly used to eliminate damage via scratching to an object when tightening a nut or to increase the bearing surface and distribute the load of the threaded fastener over the washer preventing deformation of the bearing surface. Wider OD than standard flat washers.	SS304 Q235 SS400 S235JR S235J0 S235J2 S275JR S275J2 S355JR	
Spring Washers are an essential product for any construction application with endless applications. Commonly used to eliminate damage via scratching to an object when tightening a nut or to increase the bearing surface and distribute the load of the threaded fastener over the washer preventing deformation of the bearing surface. Spring washers are designed to prevent loosening of bolted assemblies.	Hot-dip galvanizing Q235 SS400 S235JR S235J0 S235J2 S275JR S275J2 S355JR	
Square Washers are an essential product for any construction application with endless applications. Commonly used to eliminate damage via scratching to an object when tightening a nut or to increase the bearing surface and distribute the load of the threaded fastener over the washer preventing deformation of the bearing surface.	Hot-dip galvanizing Q235 SS400 S235JR S235J0 S235J2 S275JR S275J2 S355JR	

3. Cooperation Cases

4. Qualification Certificate

5. Factory Workshop and Production Process

6. Contact Information

◆ **AMY SALES MANAGER （Steel）**

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