



# Product List

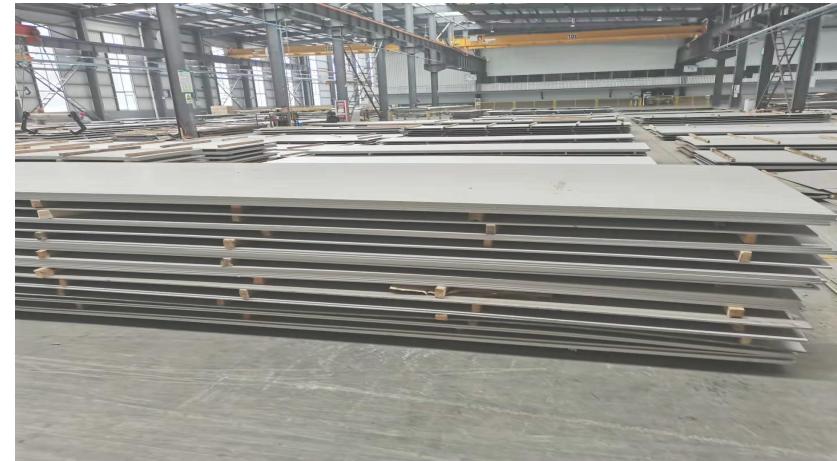
JiangSu TuoGuan Steel Co., Ltd

# Company Profile

JiangSu TuoGuan Steel Co., Ltd is a professional steel production enterprise engaged in research, development, production, sales and service. Our company is located in Wuxi City, Jiangsu Province, the largest steel processing center in China. In line with the development concept of "quality conquers the world, service makes the future". We are committed to strict quality control and considerate customer service. We have experienced staff who can meet your requirements at any time to ensure customer satisfaction. We have more than ten years of experience in the production and export of high-end steel 200 series, 300 series, and 400 series. The main markets are distributed in North America, South America, Africa, Southeast Asia, Europe and Oceania. As the export window of China's steel industry, Tuoguan has conducted extensive and friendly cooperation with domestic and foreign companies with diversified products, excellent quality, reasonable prices and considerate services. We have SGS, CE, ISO and other certifications, and accept factory tests. Welcome business partners to visit our company and discuss cooperation. We look forward to doing business and making friends with customers all over the world.



# Factory Tour



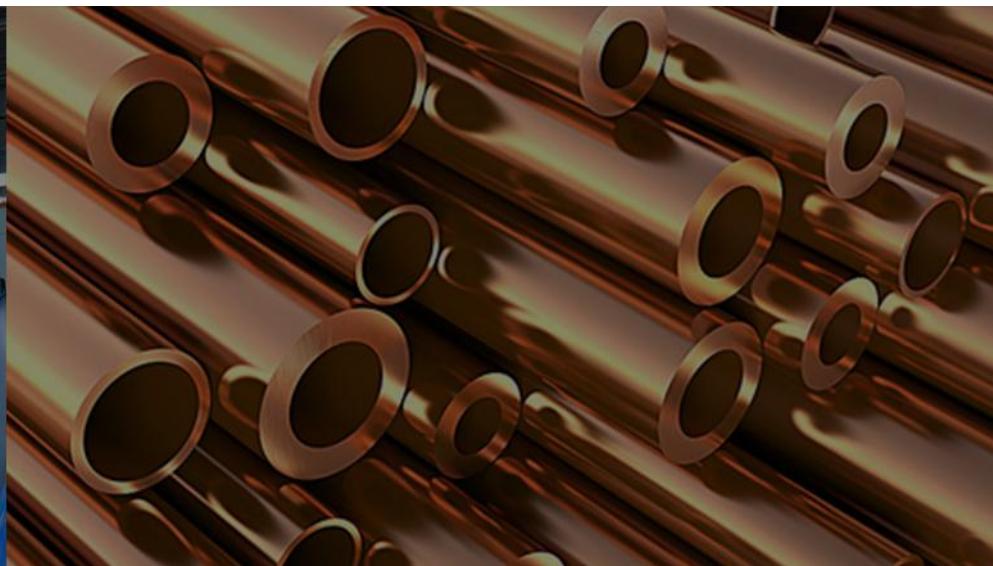
Our factory has advanced octagonal roll rolling and cold rolling roll production equipment, advanced processing and testing equipment, which make our product quality and production efficiency higher.



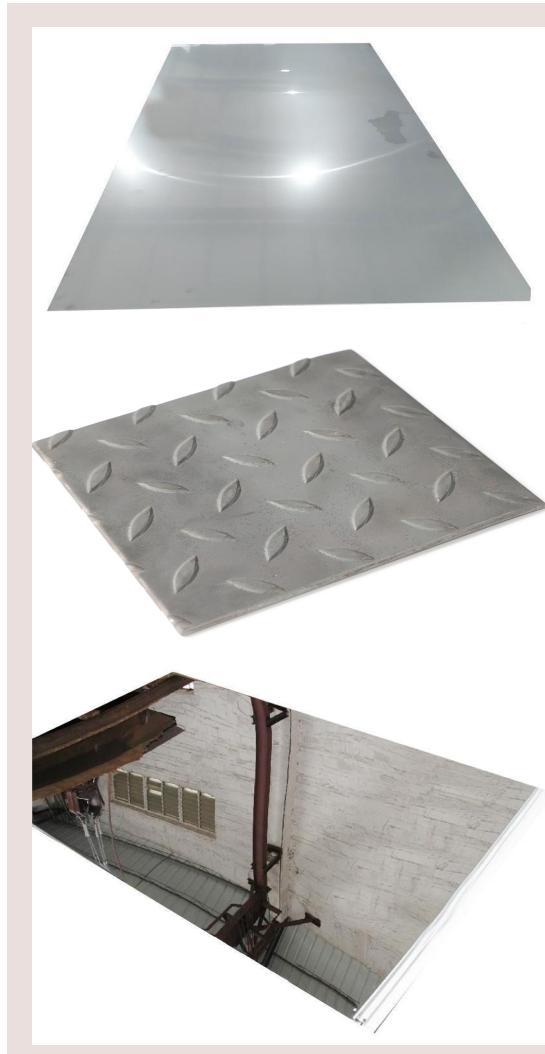
# Main Products



Our main products are various stainless steel products, including stainless steel plates, stainless steel coils/strips, stainless steel pipes, stainless steel rods, and stainless steel structural steel. We also supply PPGI, galvanized steel plate, galvanized steel coil, carbon steel plate, carbon steel coil, steel bar, steel pipe, angle steel, channel steel, h-shaped steel, rebar, steel wire, etc.

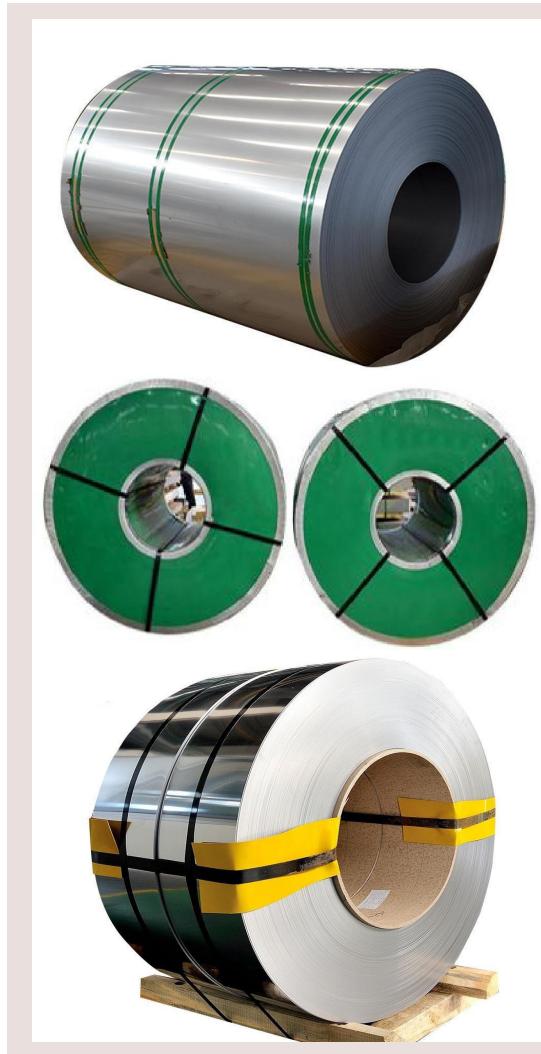


# Stainless Steel Plate



Material Origin	TGSTEEL
Material	Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc 300 series: 301, 302, 303, 304, 304L, 309, 309S, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347 200 series: 201, 202, 202Cu, 204 400 series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444 Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304 Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo
Technology	Cold Rolled Hot Rolled
Length	100~12000 mm or as customer's requirement
Width	100~2000 mm
Thickness	Cold Roll: 0.1~3 mm Hot Roll: 3~100 mm
Surface	BA, 2B, 2D, 4K, 6K, 8K, NO.4, HL, SB, Embossed
Other Choices	Leveling: improve flatness, esp. for items with high flatness request. Skin-Pass: improve flatness, higher brightness Cutting: Laser cutting, help the customer to cut the required size
Protection	1. Inter paper available 2. PVC protecting film available

# Stainless Steel Coil/Strip



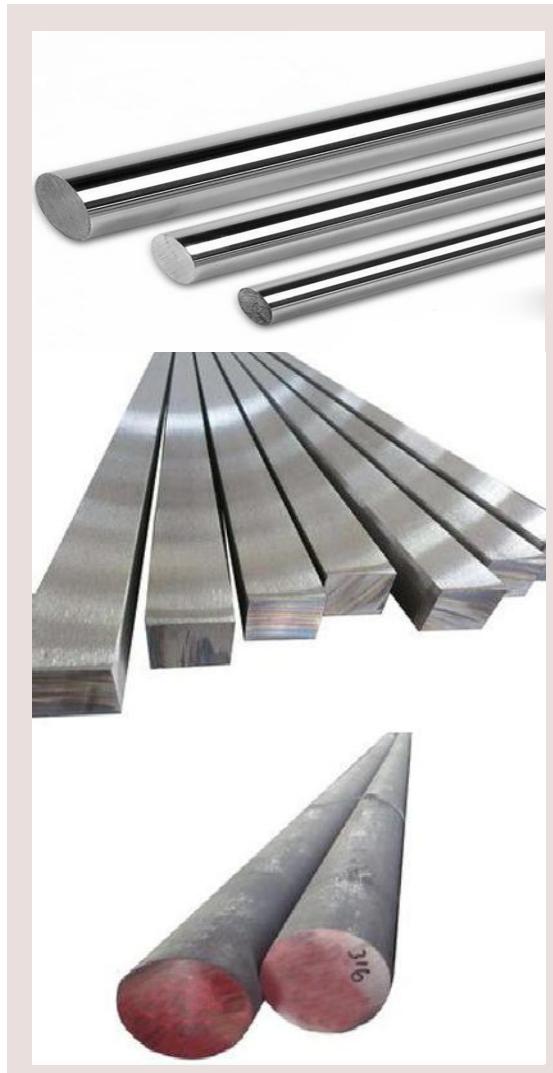
Material Origin	TGSTEEL
Material	<p>Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc</p> <p>300series: 301, 302, 303, 304, 304L, 309, 309s, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347</p> <p>200series: 201, 202, 202cu, 204</p> <p>400series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444</p> <p>Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc</p> <p>Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304</p> <p>Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo</p>
Technology	Cold Rolled Hot Rolled
Length	1000mm-11000mm or as customer's requirement
Width	100~2000 mm
Thickness	Cold rolled: 0.15mm-10mm Hot rolled: 3.0mm-180mm
Surface	BA, 2B, 2D, 4K, 6K, 8K, NO.4, HL, SB, Embossed
Other Choices	<p>Leveling: improve flatness, esp. for items with high flatness request.</p> <p>Skin-Pass: improve flatness, higher brightness</p> <p>Cutting: Laser cutting, help the customer to cut the required size</p>
Protection	<ol style="list-style-type: none"> <li>1. Inter paper available</li> <li>2. PVC protecting film available</li> </ol>

# Stainless Steel Pipe/Tube



Material Origin	TGSTEEL
Material	<p>Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc</p> <p>300series: 301, 302, 303, 304, 304L, 309, 309s, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347</p> <p>200series: 201, 202, 202cu, 204</p> <p>400series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444</p> <p>Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc</p> <p>Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304</p> <p>Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo</p>
Technology	Cold Rolled Hot Rolled
Length	100~12000 mm or as customer's requirement
Outer Diameter	6-711mm or customized
Thickness	0.5-40mm or customized
Shape	round, square
Surface	BA, 2B, 2D, 4K, 6K, 8K, NO.4, HL, SB, 1D
Other Choices	<p>Leveling: improve flatness, esp. for items with high flatness request.</p> <p>Skin-Pass: improve flatness, higher brightness</p> <p>Cutting: Laser cutting, help the customer to cut the required size</p>
Protection	<ol style="list-style-type: none"> <li>1. Inter paper available</li> <li>2. PVC protecting film available</li> </ol>

# Stainless Steel Bar



Material Origin	TGSTEEL
Material	<p>Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc</p> <p>300series: 301, 302, 303, 304, 304L, 309, 309s, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347</p> <p>200series: 201, 202, 202cu, 204</p> <p>400series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444</p> <p>Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc</p> <p>Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304</p> <p>Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo</p>
Technology	Cold Rolled Hot Rolled
Length	100~12000 mm or as customer's requirement
Outer Diameter	6-711mm or customized
Thickness	0.5-40mm or customized
Shape	round, square
Surface	BA, 2B, 2D, 4K, 6K, 8K, NO.4, HL, SB, 1D
Other Choices	<p>Leveling: improve flatness, esp. for items with high flatness request.</p> <p>Skin-Pass: improve flatness, higher brightness</p> <p>Cutting: Laser cutting, help the customer to cut the required size</p>
Protection	<ol style="list-style-type: none"> <li>1. Inter paper available</li> <li>2. PVC protecting film available</li> </ol>

# Stainless Steel Angle Bar



Name	stainless steel angle bar
Standard	ASTM A276, A484, A479, A580, A582, JIS G4303, JIS G4311, DIN 1654-5, DIN17440, GB/T 1220
	Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc
	300 series: 301, 302, 303, 304, 304L, 309, 309S, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347
Material	200 series: 201, 202, 202cu, 204 400 series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444 Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304 Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo
Technology	Cold Rolled Hot Rolled
Length	1000mm~12000mm or as customer's requirement
Width	50mm~2000mm or customized
Thickness	0.3mm-60mm or customized
Height	50mm~2000mm or customized
Shape	angle bar
Surface	BA, 2B, 2D, 4K, 6K, 8K, NO.4, HL, SB, 1D, Black
Protection	1. Inter paper available 2. PVC protecting film available

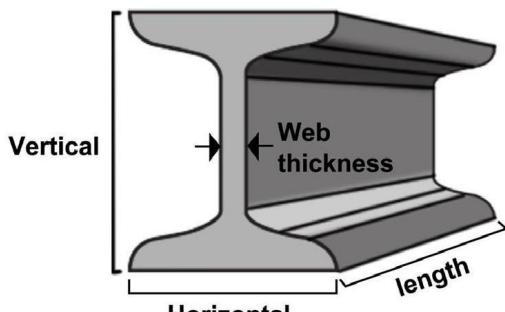
# Stainless Steel Angle Bar

Specification (mm)	Weight (kg/m)	Specification (mm)	Weight (kg/m)
25*25*3	1.124	90*90*8	10.946
25*25*4	1.459	90*90*10	13.476
30*30*3	1.373	100*100*6	9.366
30*30*4	1.786	100*100*7	10.83
40*40*3	1.852	100*100*8	12.276
40*40*4	2.422	100*100*10	15.12
40*40*5	2.976	100*100*12	17.898
45*45*3	2.088	110*110*7	11.928
45*45*4	2.736	110*110*8	13.532
45*45*5	3.369	110*110*10	16.69
50*50*3	2.332	110*110*12	19.782
50*50*4	3.059	125*125*8	15.504
50*50*5	3.77	125*125*10	19.133
50*50*6	4.465	125*125*12	22.696
63*63*5	4.822	125*125*14	26.193
63*63*6	5.721	140*140*10	21.488
63*63*8	7.469	140*140*12	25.522
70*70*5	5.397	140*140*14	29.49
70*70*6	6.406	160*160*10	24.729
70*70*7	7.398	160*160*12	29.391
70*70*8	8.373	160*160*14	33.987
75*75*5	5.818	160*160*16	38.518
75*75*6	6.905	180*180*12	33.159
75*75*7	7.976	180*180*14	38.383
75*75*8	9.03	180*180*16	43.542
75*75*10	11.089	180*180*18	48.634
80*80*6	7.376	200*200*14	42.894
80*80*7	8.525	200*200*16	48.68
80*80*8	9.658	200*200*18	54.401
80*80*10	11.874	200*200*20	60.056
90*90*6	8.35	200*200*24	71.168

# Stainless Steel Angle Bar

Size	Tolerance	Thickness	Tolerance	Weight	Size	Tolerance	Thickness	Tolerance	Weight
25x16	±0.8	3	±0.4	0.912	100x63	±2.0	6	±0.7	7.55
25x16	±0.8	4	±0.4	1.176	100x63	±2.0	7	±0.7	8.722
32x20	±0.8	3	±0.4	1.171	100x63	±2.0	8	±0.7	9.878
32x20	±0.8	4	±0.4	1.522	100x63	±2.0	10	±0.7	12.142
40x25	±0.8	3	±0.4	1.484	100x80	±2.0	6	±0.7	8.35
40x25	±0.8	4	±0.4	1.936	100x80	±2.0	7	±0.7	9.656
45x30	±0.8	3	±0.4	1.687	100x80	±2.0	8	±0.7	10.946
45x30	±0.8	4	±0.4	2.203	100x80	±2.0	10	±0.7	13.476
50x32	±0.8	3	±0.4	1.908	110x70	±2.0	6	±0.7	8.35
50x32	±0.8	4	±0.4	2.494	110x70	±2.0	7	±0.7	9.656
56x36	±0.8	3	±0.4	2.153	110x70	±2.0	8	±0.7	10.946
56x36	±0.8	4	±0.4	2.818	110x70	±2.0	10	±0.7	13.476
56x36	±0.8	5	±0.4	3.466	125x80	±2.0	7	±0.7	11.066
62x40	±1.5	4	±0.6	3.185	125x80	±2.0	8	±0.7	12.551
62x40	±1.5	5	±0.6	3.92	125x80	±2.0	10	±0.7	15.474
62x40	±1.5	6	±0.6	4.638	125x80	±2.0	12	±0.7	18.33
62x40	±1.5	7	±0.6	5.339	140x90	±2.0	8	±0.7	14.16
70x45	±1.5	4	±0.6	3.57	140x90	±2.0	10	±0.7	17.475
70x45	±1.5	5	±0.6	4.403	140x90	±2.0	12	±0.7	20.724
70x45	±1.5	6	±0.6	5.218	140x90	±2.0	14	±0.7	23.908
70x45	±1.5	7	±0.6	6.011	160x100	±2.5	10	±1.0	19.872
75x50	±1.5	5	±0.6	4.808	160x100	±2.5	12	±1.0	23.592
75x50	±1.5	6	±0.6	5.699	160x100	±2.5	14	±1.0	27.247
75x50	±1.5	8	±0.6	7.431	160x100	±2.5	16	±1.0	30.835
75x50	±1.5	10	±0.6	9.098	180x110	±2.5	10	±1.0	22.272
80x50	±1.5	5	±0.6	5.005	180x110	±2.5	12	±1.0	26.464
80x50	±1.5	6	±0.6	5.935	180x110	±2.5	14	±1.0	30.589
80x50	±1.5	7	±0.6	6.848	180x110	±2.5	16	±1.0	34.649
80x50	±1.5	8	±0.6	7.745	200x125	±2.5	12	±1.0	29.761
90x56	±1.5	5	±0.6	5.661	200x125	±2.5	14	±1.0	34.436
90x56	±1.5	6	±0.6	6.717	200x125	±2.5	16	±1.0	39.045
90x56	±1.5	7	±0.6	7.756	200x125	±2.5	18	±1.0	43.588
90x56	±1.5	8	±0.6	8.779	Length=6-12 meters SS400				

# Stainless Steel H-beam



Name	stainless steel H-beam
Standard	BS 1387, GB 3091, ASTM A53, JIS G3444, DIN2444
Material	Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc 300series: 301, 302, 303, 304, 304L, 309, 309s, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347 200series: 201, 202, 202cu, 204 400series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444 Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304 Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo
Technology	Hot-rolled and High frequency welded
Length	5-12m or customized
Flange Width	100mm~300mm or customized
Flange Thickness	6-28mm or customized
Web Thickness	5-16mm or customized
Height	100-900mm or customized
Shape	H / I
Surface	Bright, Polished
Application	Mechanical & Manufacture, Steel structure, Shipbuilding, Bridging, Automobile Chassis, etc.

# Stainless Steel H-beam

SIZE	GB	JIS	SIZE	GB	JIS
100*100*6*8	17.2	16.9	388*402*15*15	141	140
125*125*6.5*9	23.8	23.6	390*300*10*16	107	105
148*100*6*9	21.4	21.1	394*398*11*18	147	147
150*75*5*7	14.3	14	396*199*7*11	56.7	56.1
150*150*7*10	31.9	31.1	400*200*8*13	66	65.4
175*90*5*8	18.2	18	400*150*8*13	55.8	55.2
175*175*7.5*11	40.3	40.4	400*400*13*21	172	172
194*150*6*9	31.2	29.9	414*405*18*28	233	232
198*99*4.5*7	18.5	17.8	414*202*10*20	94.5	93.9
200*100*5.5*8	21.7	20.9	440*300*11*18	124	121
200*200*8*12	50.5	49.9	446*199*8*12	66.7	65.1
200*204*12*12	56.7	56.2	450*200*9*14	76.5	74.9
244*175*7*11	44.1	43.6	482*300*11*15	115	111
248*124*5*8	25.8	25.1	488*300*11*18	129	125
250*125*6*9	29.7	29	496*199*9*14	79.5	77.9
250*250*9*14	72.4	71.8	500*200*10*16	89.6	88.2
250*255*14*14	82.2	81.6	506*201*11*19	103	102
294*200*8*12	57.3	55.8	582*300*12*17	137	133
294*302*12*12	85	83.4	588*300*12*20	151	147
298*149*5.5*8	32.6	32	594*302*14*23	175	170
298*201*9*14	65.9	64.4	596*199*10*15	95.1	92.5
300*150*6.5*9	37.3	36.7	600*200*11*17	106	103
300*300*10*15	94.5	93	600*304*16*26	198	194
300*305*15*15	106	105	606*201*12*20	120	118
340*250*9*14	79.7	78.1	692*300*13*20	166	163
344*348*10*16	115	113	700*300*13*24	185	182
346*174*6*9	41.8	41.2	792*300*14*22	191	188
350*175*7*11	50	49.4	800*300*14*26	210	207
350*350*12*19	137	135	900*300*16*28	243	240

# Stainless Steel Channel

	
	
Name	stainless steel channel
Standard	JIS, AISI, ASTM, GB, DIN, EN
	Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc
	300series: 301, 302, 303, 304, 304L, 309, 309S, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347
	200series: 201, 202, 202cu, 204
	400series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444
Material	Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc
	Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304
	Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo
Technology	Hot-rolled and High frequency welded
Length	5-12m or customized
Web Thickness	5-16mm or customized
Height	100-900mm or customized
Shape	U / C
Surface	2B, BA, HL, NO.1, 8K, or as request.
Application	Bridge, vessel, roofing, car, building etc.

# Stainless Steel Channel



Name	stainless steel channel
Standard	JIS, AISI, ASTM, GB, DIN, EN
Material	Mainly 201, 202, 304, 304L, 304H, 316, 316L, 316Ti, 2205, 330, 630, 660, 409L, 321, 310S, 410, 416, 410S, 430, 347H, 2Cr13, 3Cr13 etc 300series: 301, 302, 303, 304, 304L, 309, 309S, 310, 310S, 316, 316L, 316Ti, 317L, 321, 347 200series: 201, 202, 202Cu, 204 400series: 409, 409L, 410, 420, 430, 431, 439, 440, 441, 444 Others: 2205, 2507, 2906, 330, 660, 630, 631, 17-4ph, 17-7ph, S318039, 904L, etc Duplex stainless steel: S22053, S25073, S22253, S31803, S32205, S32304 Special Stainless Steel: 904L, 347/347H, 317/317L, 316Ti, 254Mo
Technology	Hot-rolled and High frequency welded
Length	5-12m or customized
Web Thickness	5-16mm or customized
Height	100-900mm or customized
Shape	U / C
Surface	2B, BA, HL, NO.1, 8K, or as request.
Application	Bridge, vessel, roofing, car, building etc.

# Surface Treatment

Surface	Characteristic	Processing Technology
N0.1	Original	Pickled after hot rolling
2D	Blunt	Hot rolling + annealing shot peening pickling + cold rolling + annealing pickling
2B	Blurred	Hot rolling + annealing shot peening pickling + cold rolling + annealing pickling + tempering rolling
N0.3	Matte	Polishing and tempering rolling with 100-120 mesh abrasive materials
N0.4	Matte	Polishing and tempering rolling with 150-180 mesh abrasive material
NO.240	Matte	Polishing and tempering rolling with 240 mesh abrasive materials
NO.320	Matte	Polishing and tempering rolling with 320 mesh abrasive materials
NO.400	Matte	Polishing and tempering rolling with 400 mesh abrasive materials
HL	Brushed	Grind the surface of the steel belt with an appropriate grinding grain size to make it show a certain longitudinal texture
BA	Bright	The surface is annealed and shows high reflectivity
6K	Mirror	Rough grinding and polishing
8K	Mirror	Fine grinding and polishing



2B



BA



8K



No.4/#4/Satin



Hairline



No.1/#1/2D/2E

# High-end Stainless Materials

## ❀ Ni Cr Fe Co Mo Cu Alloy

Inconel600、Inconel601、Inconel602CA、Inconel617、Inconel625、Inconel690、InconelX-750、Inconel713、Inconel718...  
 N07750、N07725、N07718、N06690、N06686、N06625、N06617、N06601、N06600、N06025...  
 Incoloy20、Incoloy28、Incoloy330、Incoloy800/800H/800HT、Incoloy801、Incoloy840、Incoloy901、Incoloy956MA...  
 N09925、N09902、N08825、N08810、N08801、N06985...

## ❀ Monel

Monel400、Monel401、Monel405、MonelK-500...

## ❀ Hastelloy

哈氏C-276、C-2000、B-3、Haynes188、HaynesHR-120、HaynesHR-160  
 Haynes214、Haynes230、HaynesR-41、Haynes...

## ❀ Duplex stainless steel

2507 (S32750)、2205 (S32550)、1.4462、1.4501、1.4410、  
 022Cr25Ni7Mo4WCuN、F51 F53 F60

## ❀ Precipitation-hardening steels

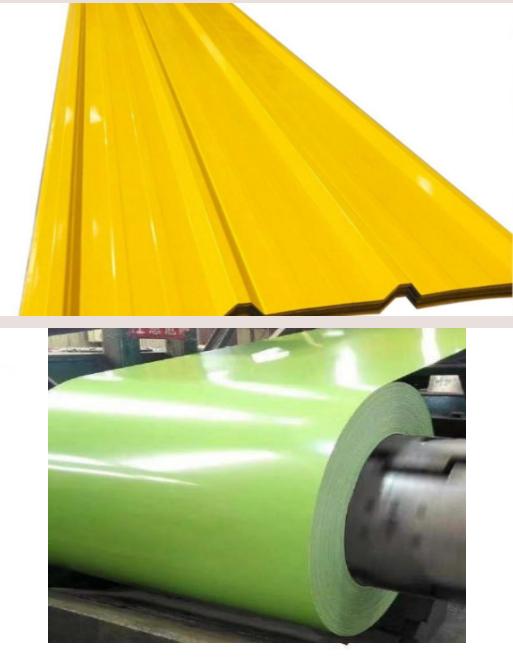
17-4PH、17-7PH、15-5PH、13-8PH、SUS630、SUS631、S17400、S17700、  
 S15500、1.4542、1.4568、XM-12、XM-13、X5CrNiCuNb17

## ❀ More>>> Ti Alloy/Zr Alloy/Co Alloy/Al Alloy

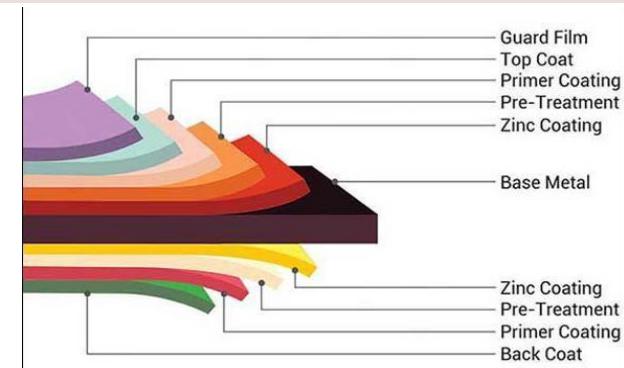
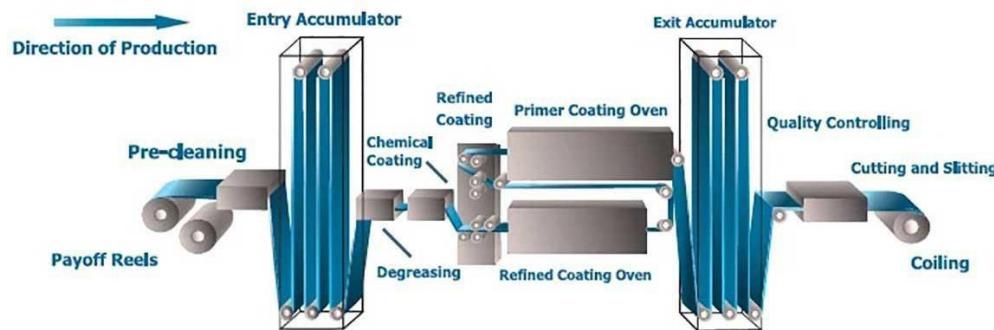
Invar36、4J36、RA330、Waspaloy、254SMo、253MA、Nimonic80A、NiTi合金  
 L605、MULTIMET



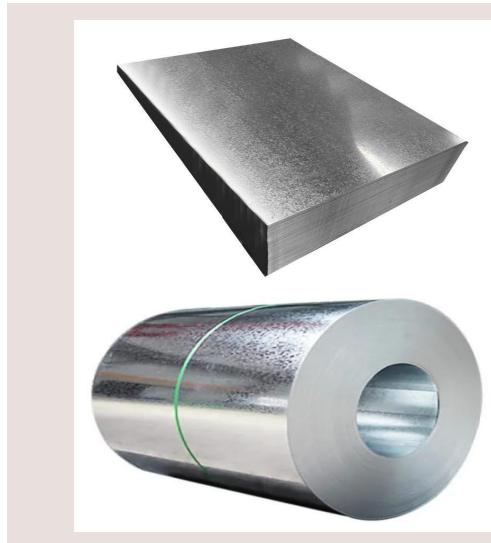
# PPGI & PPGL



Technical Standard	EN10147/EN10142/DIN 17162/JIS G3302/ASTM A653
Material	DC51D+Z, DC52D+Z, DC53D+Z, S280GD+Z, S350GD+Z, S550GD+Z, DC51D+AZ, DC52D+AZ, S250GD+AZ, S300GD+AZ, S350GD+AZ, S550GD+AZ, SECC, SECE, BLCE+Z, BLDE+Z, BUSDE+Z or Customer's Requirement
Technology	Hot dip galvanized
Coating	Z61-Z90
Coil Weight	3-20 metric ton per coil
Width	600-1500mm or customized
Thickness	0.12-6.0mm or customized
Zinc Coating	20-275g/cub
Other Choices	Leveling: improve flatness, esp. for items with high flatness request. Skin-Pass: improve flatness, higher brightness Cutting: Laser cutting, help the customer to cut the required size
Protection	Water proof paper is inner packing, galvanized steel or coated steel sheet is outer packing, side guard plate, then wrapped by seven steel belt or according to customer's requirement.



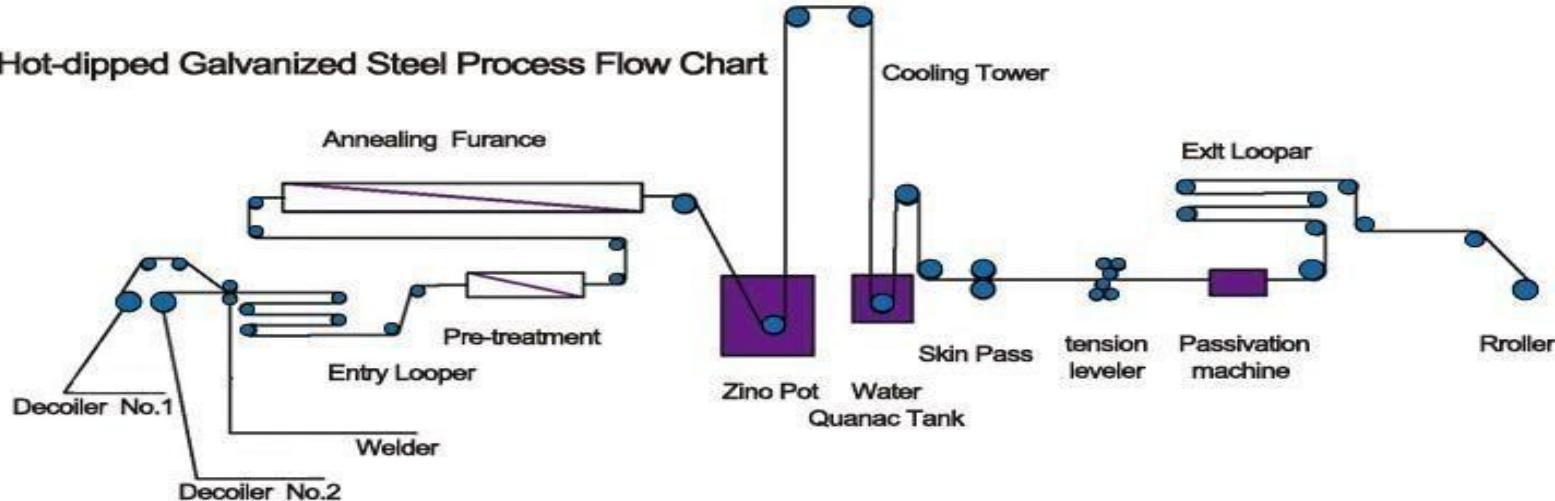
# Galvanized Steel Sheet/Coil



Standard	JIS G3302 / ASTM A653M / EN10327 / DIN17162
Material	SGCC/DC51D/DX51D/DX52D/SGSS/SGCD1/SGCD2/SGCD3 Q195-Q420 Series,SS400-SS540 Series,S235JR-S355JR Series,ST Series,A36-A992 Series,Gr50 Series
Zinc coating	30~600G/M2
Length	100~12000 mm or as customer' s requirement
Width	600-1250mm or as customer' s requirement (usual size:914mm,1000mm,1200mm,1219mm,1250mm,1220mm)
Thickness	0.12-3.5 mm
Surface	Light Oil, Unoil,dry, chromate passivated, non-chromate passivated
Coil Weight	3-6 Tons or as customer requirements

## Process

Hot-dipped Galvanized Steel Process Flow Chart



# Galvanized Steel Pipe/Tube



Standard	ASTM,API,BS
Material	10#, 20#, 45#, 16Mn, A53(A,B), Q235, Q345, Q195, Q215, St37, St42, St37-2, St35.4, St52.4, ST35
Technology	Hot Dip
Length	5-14M or customized.
Outer Diameter	20-508mm or customized
Thickness	0.3-20mm or customized
Shape	round, square
Coating	Z81-Z120
Protection	1. Inter paper available 2. PVC protecting film available

## Galvanized Steel Bar

Standard	ASTM,API,BS
Material	10#, 20#, 45#, 16Mn, A53(A,B), Q235, Q345, Q195, Q215, St37, St42, St37-2, St35.4, St52.4, ST35
Technology	Hot Dip
Size	same as stainless steel bars or customized.
Shape	round, square, angle bar
Coating	Z81-Z120



# Carbon Steel Plate/Coil



Standard	AiSi, ASTM, BS,GB
Material	A32, AH32,A36,AH36,DH36,D32 DH32 Q195 Q215 Q235 Q345 SS490 SM400 SM490 SPHC SPHD SPHE SPHF SEA1002 SEA1006 SEA1008 SEA1010 S25C S35C S45C 65Mn SPHT1 SPHT2 SPH3 SPH4 QstE NM360,NM360L,NM400,NM400L,NM400A,NM450,NM450L,NM450A,N M500A.NM550,NM600.NR360, NR400, MITTA 400F, MITTA 450F, MITTA 500F DILLIDUR400,DILLIDUR500,DILLIDUR400V,DILLIDUR500V,DILLIDUR 450V QUARD400,QUARD450,QUARD500 FORA400,FORA500,CREUSABRO4800,CREUSABRO8000 RAEX400,RAEX450,RAEX500
Technology	Cold Rolled Hot Rolled
Length	1-100mm or customized
Width	600-3000mm or customized.
Thickness	0.1-300mm or customized.
Surface	natural color,iron gray (low carbon plate), brown (special alloy plate, the high carbon plate), partial ochre (weather resistance), with temperature oxidation pattern, than manufacture rough surface
Coil Weight	3-5 Tons

# Carbon Steel Pipe



Standard	AISe, ASTM, BS, GB
Material	A32, AH32, A36, AH36, DH36, D32, DH32 10# 20# 45# Q195 Q215 Q235 Q345 Q235b Q355b SS490 SM400 SM490 SPHC SPHD SPHE SPHF SEA1002 SEA1006 SEA1008 SEA1010 S25C S35C S45C 65Mn SPHT1 SPHT2 SPH3 SPH4 QstE or customized
Technology	Cold Rolled Hot Rolled
Length	1m - 12m or customized
Outer Diameter	10-600mm or customized.
Thickness	1mm-200mm or customized.
Surface	natural color, iron gray, threaded, or painted
Shape	round, square

Grade	Chemical Composition (%)					Mechanical Properties		
	C ≤	Si ≤	Mn ≤	P ≤	S ≤	Tensile Strength (Mpa)	Yield Stress (Mpa)	Elongation (%)
Q235B	0.20	0.28	0.7	0.025	0.025	380-450	270-300	28
Q345B	0.20	0.50	1.6	0.034	0.025	550-600	380-450	25
Q355B	0.24	0.55	1.6	0.035	0.025	550-630	380-450	21

# Carbon Steel Bar



Standard	AISe, ASTM, BS, GB
Material	A32, AH32, A36, AH36, DH36, D32, DH32 10# 20# 45# Q195 Q215 Q235 Q345 Q235b Q355b SS490 SM400 SM490 SPHC SPHD SPHE SPHF SEA1002 SEA1006 SEA1008 SEA1010 S25C S35C S45C 65Mn SPHT1 SPHT2 SPH3 SPH4 QstE or customized
Technology	Hot Rolled
Length	3000~12000mm or customized
Diameter	10~300mm or customized.
Width	3mm-2000mm or customized.
Surface	natural color, black, mill, polished, brush, galvanized etc
Shape	round, square, flat, angle
Angle bar size	same as stainless steel angle bar



# Carbon Structural Steel



Standard	AiSi, ASTM, BS,GB
Material	A32,AH32,A36,AH36,DH36,D32 DH32 10# 20# 45# Q195 Q215 Q235 Q345 Q235b Q355b SS490 SM400 SM490 SPHC SPHD SPHE SPHF SEA1002 SEA1006 SEA1008 SEA1010 S25C S35C S45C 65Mn SPHT1 SPHT2 SPH3 SPH4 QstE or customized
Technology	Hot Rolled
Length	3000~12000mm or customized
Surface	natural color,black,mill,polished,brush,galvanized etc
Shape	U, C, H-beam
Specification	same as stainless structural steel

# Carbon Steel Rebar

Grade	HRB335 HRB400 HRB500 ASTM GR40 GR60
Diameter	6MM~40MM or customized
Length	5m-14m,5.8m,6m,10m-12m,12m or customized
Payment	L/C T/T
Packing	Bundle, or with all kinds of colors PVC or as your requirements



# Steel Rebar Specification

<b>Diameter (mm)</b>	<b>Theoretical weight (kg/m)</b>
6	0.2221
8	0.3949
10	0.6170
12	0.8885
14	1.2093
16	1.5795
18	1.9991
20	2.4680
22	2.9863
25	3.8563
28	4.8373
32	6.3181
36	7.9963
40	9.8720

<b>Steel grade</b>	<b>C% ≤</b>	<b>Si%≤</b>	<b>Mn%≤</b>	<b>P%≤</b>	<b>S%≤</b>	<b>Cr%&gt;</b>	<b>Ceq≤</b>
HRB335	0.17-0.25	0.40-0.80	1.00-1.60	0.045	0.045	0.3-0.4	0.52
HRB400	0.17-0.25	0.20-0.80	1.20-1.60	0.045	0.045	0.3-0.4	0.54
HRB500	≤0.25	≤0.80	≤1.6	0.045	0.045	0.3-0.4	0.55
Gr.60	≤0.30	≤0.40	≤1.00	0.050	0.050	0.3-0.4	

# Steel Wire



Name	steel wire
Standard	JIS, AISI, ASTM, GB, DIN, EN
Material	galvanized steel wire: Q195 Q235 45# 60# 65# 70# 80# 82B carbon steel 72A,82B steel rod stainless steel wire: 201,301,302,303,304,304L,316,316L,321,309,309L,309S,309H,310,310S,410,430 etc
Tensile strength	350-550N/mm <sup>2</sup>
Length	customized
Thickness	0.3-6mm or customized
Surface	2B,Silver,black wither bright, galvanized or as request.

Wire diameter (mm)	Allowable differential(mm)	The maximum differential partial diameter(mm)
0.02-0.049	+0.002 -0.001	0.001
0.05-0.074	±0.002	0.002
0.75-0.089	±0.002	0.002
0.09-0.109	+0.003 -0.002	0.002
0.11-0.169	±0.003	0.003
0.17-0.184	±0.004	0.004
0.185-0.199	±0.004	0.004
0-0 .299	±0.005	0.005
0.3-0.310	±0.006	0.006
0.32-0.49	±0.006	0.006
0. 5-0.599	±0.006	0.006
0.6- 0.799	±0.008	0.008
0.8-0.999	±0.008	0.008
1- 1.2	±0.009	0.009
1.2-1.4	±0.009	0.009
1.4-1.6	±0.01	0.01
1.6-1.8	±0.01	0.01
1.8-2	±0.01	0.01
2-2.5	±0.012	0.012
2.5-3	±0.015	0.015
3-4	±0.02	0.02
4-5	±0.02	0.02



# TEST REPORT

No. : QDIN2111007283ML

Date : Nov 24, 2021

Page: 1 of 2



CUSTOMER NAME: JIANGSU TUOGUAN METAL CO., LTD  
ADDRESS: ROOM 201 SECOND FLOOR 27-109 NANFANG STAINLESS STEEL TRADING CENTER XINWU DISTRICT WUXI CITY

Sample Name : Stainless Steel

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

Date of Receipt : Nov 19, 2021

Testing Start Date : Nov 19, 2021

Testing End Date : Nov 24, 2021

Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services (Qingdao) Co., Ltd.



Rose wang  
Authorized signatory



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## CERTIFICATE OF QUALITY MANAGEMENT SYSTEM

Certificate No: 71621Q0114ROS

In witness whereof  
Jiangsu Tuoguan Metal Co., LTD

(Organization Code/Credit No.: 91320214MA223P330R)

Registration Address: Room 201, second Floor 27-109, Nanfang Stainless Steel  
Trading Center, Xinwu District, Wuxi city  
Business Address: No. 20 dongting Street, Xishan District, Wuxi city, Jiangsu  
Province, China

has been assessed and is in conformity with  
**GB/T19001-2016/ISO9001:2015**

Certification Scope: Sales of metal products

Certificate issuer



Issue Date: December 16th, 2021

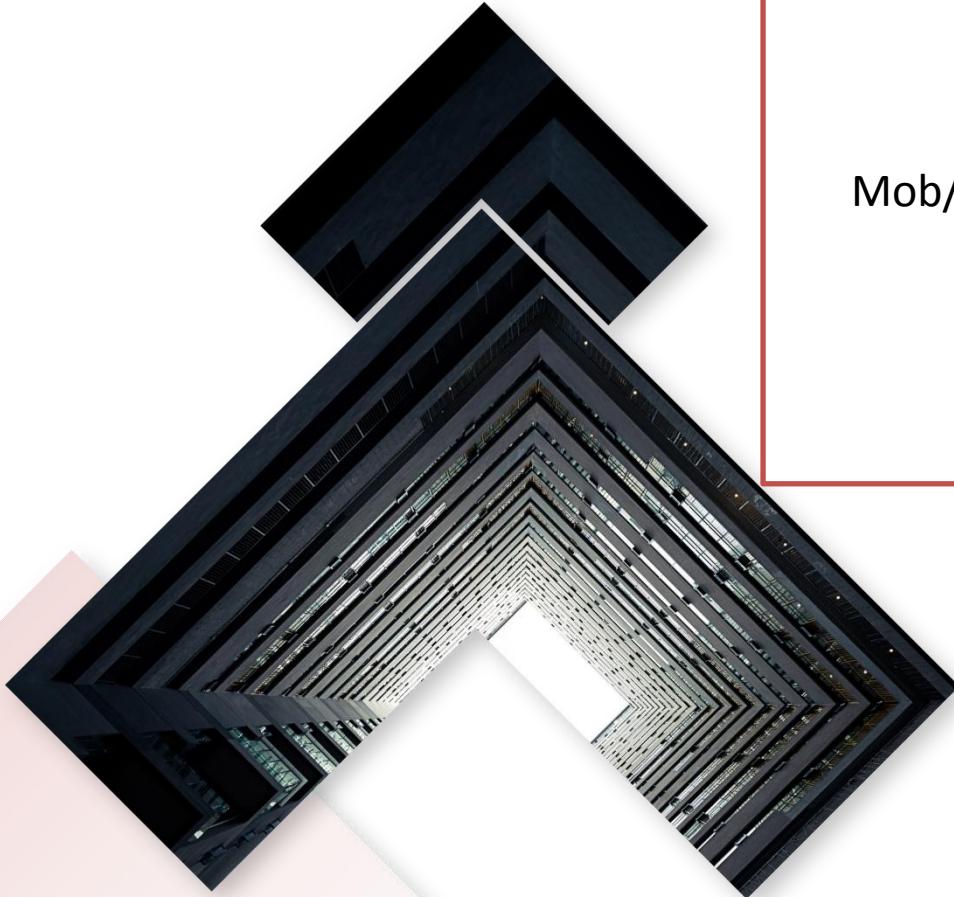
Valid Until: December 15th, 2024



The certificate is valid within the term of validity of all administrative and qualification  
license subject to the regulation of P.R.China.

Official inquiry website of China National Certification and  
Accreditation Administration: <http://cx.cnca.cn>.

The validity of this certificate is subject to the scan result of the QR Code in the lower left corner



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Website: [www.tuogsteel.com](http://www.tuogsteel.com)

*Thank you !*