SINOMETAL MATERIAL LIMITED
BEIJING ADD: ROOM 1,BLOCK 16,LIUXUE ROAD NO.65,XICHENG DISTRICT,BEIJING, CHINA
HK ADD: UNITS A&B,15/F,NEICH TOWER,128 GLOUCESTER ROAD,WANCHAI,HONGKONG,CHINA
Mobile: (0086) 135 5257 4100 (0086) 186 1150 6336
Tel: (0086-10)5899 3102
E-mail:batiquan@sinometalmaterial.com ; info@sinometalmaterial.com
Website: www.sinometalmaterial.com

SINOMETAL

SINOMETAL
MATERIAL LIMITED

SINOMETAL
MATERIAL LIMITED
STEEL PRODUCTS

SINOMETAL

MATERIAL LIMITED

STEEL PRODUCTS

CONTENTS

1、ABOUT US	03
2、ADVANTAGES	04
3、SEAMLESS STEEL PIPE SERIES	05
4、PRODUCT INTRODUCTION	06-07
5、WELED STEEL PIPE SERIES	08
Ⅰ ELECTRIC RESSISTANCE ARC WELDED	08
Ⅱ LONGITUDINAL SUBMERGED ARC WELED（LSAW） STEEL PIPE	09-10
Ⅲ SPIRAL SUBMERGED ARC WELDED （SSAW） STEEL PIPE	11-12
Ⅴ HOLLOW SECTION	13
Ⅵ HOT DIPPED GALVANISED STEEL PIPE	14-15
6、MAJOR PROJECT REFERENCE LIST	16
7、OTHER STEEL AND METAL PRODUCT PACKAGE SERVICE	17
8、AWARD	18

ABOUT US

SINOMETAL MATERIAL (GROUP) LIMITED is the leading and professional iron and steel material supplier in China.It consists and invests of Sinometal Industry Limited,Xuzhou Niutoushan Casting Industry Co.,Ltd,Hebei Dingsheng Pipe Industry Co.,Ltd,Huludao City Steel Pipe Industrial Co.,Ltd. It was established in 1992,so far with more than 1000 employees including 30 senior technicians.With recent years strategy change and high speed growth,it has played more professional and comepetitive role in the international market.

Our high quality iron and steel material has been exported to the world market,such as Middle East countries, Africa, Europe, South America,ect. Sinometal Material (Group) Limited has gained good reputation from our customers because the consistent quality and great service. So far we have sent our representive people in Nigeria,South Africa and Dubai for the service and marketing.

Our products and capability involved the following items:

STEEL PIPE DEP	ERW	½" -- 24"
	SSAW	8" -- 80"
	LSAW	16' -- 56"
	Square Pipe	10*10mm -- 400x400mm
	Rectangle Pipe	10x20mm – 300x500mm
	Seamless pipe.OCTG	1/8" –24"
	Galvanized Steel Pipe	
	3LPE coating for different standard:ASTM or EN standard	
ANGLE STEEL DEP	Equal Angle	20*20mm – 200*200mm
	Flat Bar	8mm – 400mm
	Deformed Steel bar	6mm – 36mm
	Wire Rod	5.5mm -- 14mm
	H Beam	100x100mm – 400x400mm
DUCTILE IRON PIPE DEP	Ductile Iron Steel Pipe	DN80mm-DN1200mm

Because we are focused and enegetic,so we believe that we could make you satisfied,Thanks for choosing us.
We can be together to build our fruitful business and better future.

SINOMETAL
MATERIAL LIMITED
STEEL PRODUCTS

OUR ADVANTAGES

■Professional teams ensure a high efficiency of your purchase
■Professional sales team
■Professional engineering and technology team
■Professional exportation and contract processing/management team
■Professional cooperators and partners
■Full series of products provides an easier access for one stop purchase
■Seamless pipe
■Electric Resistance Welded (ERW) Steel Pipe
■Longitudinal Submerged Arc Welded (LSAW) Steel Pipe
■Spiral Submerged Arc Welded (SSAW) Steel Pipe
■Hollow Section (Square and Rectangle Pipe)
■Hot Dipped Galvanized Steel Pipe
■All round supports ensure your business' safety & interest of all time.
■The company is renowned of it manufacturing capabilities and overall sourcing abilities. It has a long track proven record of strategic cooperation with leading players in steel industry.
■Professional quality checking before shipment to ensure every order quality safe and consistent
■Representive overseas to ensure a good contact with customer and best service.

SEAMLESS STEEL PIPE PRODUCTS SERIES

PRODUCTS	SIZE RANGE	STANDARD	STEEL GRADE
Line pipes	1/2"-24"	API 5L, ASTM A 106/53, ISO3183,IPS,etc	A,B,X42,X46,X52,X56,X60, X65,X70

PRODUCTS INTRODUCE

LINE PIPE

Standard: API SPEC 5L

■ Application: it is used To be used for conveying gas, water, and petroleum for oil and natural gas industries

■ Technology: Technical data:

Tolerance on Dimension:

Standard	Outside Diameter		Wall Thickness Tolerance
	Tolerance		Tolerance
API SPEC 5L	D<60.3	+0.41mm,-0.40mm	+15%,-12.5%
API SPEC 5L	D≥60.3	+0.75%D,-0.40mm	

Mechanical Properties:

Standard	Grade	(Mpa)	(MPa)	(%)	(J)
		Yield strength	Tensile Strength	Elongation	Impact Energy
		PSL1			
API SPEC 5L	B	≥241	≥414	See table 3 of API SPEC 5L	
	×42	≥290	≥414		
	×46	≥317	≥434		
	×52	≥359	≥455		
	×56	≥386	≥490		
	×60	≥414	≥517		
	×65	≥448	≥531		
	×70	≥483	≥565		
	PSL2				

Standard	Grade	(Mpa)	(MPa)	(%)	(J)
		Yield strength	Tensile Strength	Elongation	Impact Energy
		Min	Max	Min	Max
API SPEC 5L	B	241	448	441	758
	×42	290	496	414	758
	×46	317	524	434	758
	×52	359	531	455	758
	×56	386	544	490	758
	×60	414	565	517	758
	×65	448	600	531	758
	×70	483	621	565	758

Note: Transverse impact energy requirements are shown in brackets.

Chemical Composition (%)

Standard	Grade	C	Mn	P		S
		Max	Max	Min	Max	Max
		PSL1				
API SPEC 5L	B	0.28	1.2		0.03	0.03
	×42	0.28	1.3		0.03	0.03
	×46,×52,×56	0.28	1.4		0.03	0.03
	×60,×65,×70	0.28	1.4		0.03	0.03
	PSLS2					
	B	0.24	1.2		0.025	0.015
	×42	0.24	1.3		0.025	0.015
	×46,×52,×56	0.24	1.4		0.025	0.015
	×60,×65,×70	0.24	1.4		0.025	0.015

ASTM A106, ASTM A53, ISO3183-2-1996

■Application: it is used To be used for conveyance of petroleum, gas and conveyance of other fluid.

■Technology Technical data:

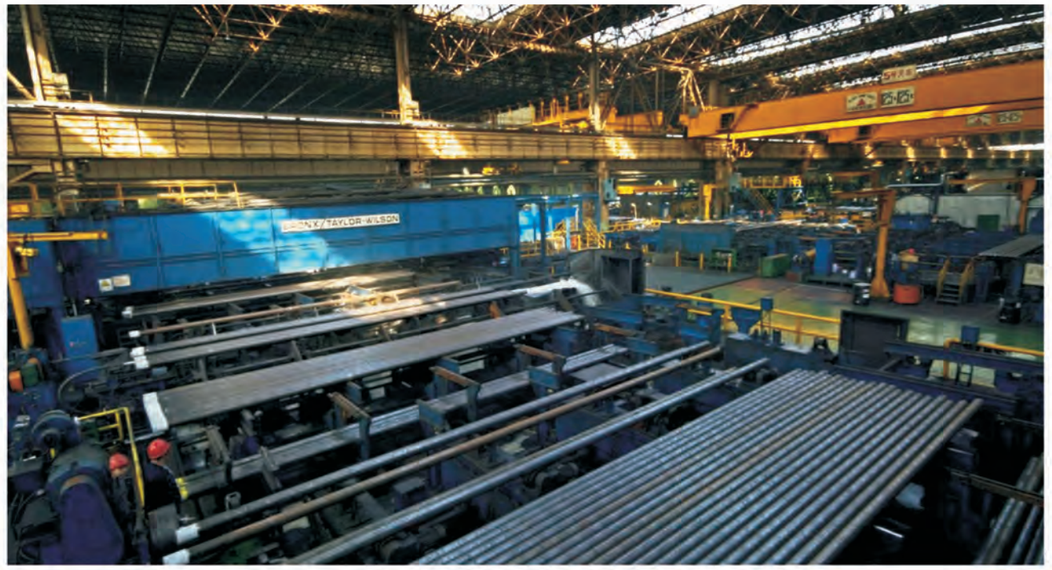
Standard	Grade	Chemical Composition (%)									Mechanical Properties	
		C	Si	Mn	P.S	Cr	Mo	NI	Cu	V	(Mpa) Tensie Strength	(MPa) Yeid Strength
ASTM A106	A	≤0.25	≥0.10	0.27~0.93	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥330	≥205
	B	≤0.30	≥0.10	0.29~1.06	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥415	≥240
	C	≤. 035	≥0.10	0.29~1.06	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08	≥485	≥275

Standard	Grade	Chemical Composition (%)									Mechanical Properties	
		C	Si	Mn	P	S	Cu	Ni	Mo	Cr	V	(Mpa) Tensie Strength	(MPa) Yeid Strength
ASTM A53	A	≤0.25		≤0.95	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥330	≥205
	B	≤0.30		≤1.20	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥415	≥240

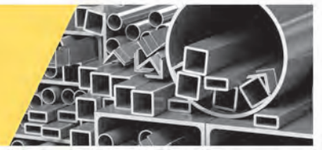
Standard	Grade	Chemical Composition (%)								Mechanical Properties		
		C	Si	Mn	P	S	V	Nb	Ti	T.S(MPa)	Y.S,(MPa)	A(%)
		max	max	Max	Max	Max	Max	Max	Max	min	Min	min
ISO3183	L245 or× B	0.28		1.2	0.03	0.03	0.06	0.15	0.15	415	245	21
	L290 or×42	0.28		1.3	0.03	0.03	0.15	0.15	0.15	415	290	21
	L320 or×46	0.28		1.4	0.03	0.03	0.15	0.15	0.15	435	320	20
	L360 or×52	0.28		1.4	0.03	0.03	0.15	0.15	0.15	460	360	19
	L390 or×56	0.28		1.4	0.03	0.03	0.15	0.15	0.15	490	390	18

Available Sizes of Line Pipes

Nominal Pipe Size		OD(mm)	Standard Wall Thickness									
NPS	DN	D	SHC30	STD	SCH40	SCH60	SCH80s	XS	SCH80	SCH100	SCH120	SCH160
1/8	6	10.3		1.73	1.73		2.41	2.41	2.41			
1/4	8	13.7		2.24	2.24		3.02	3.02	3.02			
3/8	10	17.1		2.31	2.31		3.2	3.2	3.2			
1/2	15	21.3		2.77	2.77		3.73	3.73	3.73			4.78
3/4	20	26.7		2.87	2.87		3.91	3.91	3.91			5.56
1	25	33.4		3.38	3.38		4.55	4.55	4.55			6.35
1-1/4	32	42.2		3.56	3.56		4.85	4.85	4.85			6.35
1-1/2	40	48.3		3.68	3.68		5.08	5.08	5.08			7.14
2	50	60.3		3.91	3.91		5.54	5.54	5.54			8.74
2-1/2	65	73		5.16	5.16		7.01	7.01	7.01			9.53
3	80	88.9		5.49	5.49		7.62	7.62	7.62			11.13
3-1/2	90	101.6		5.74	5.74		8.08	8.08	8.08			
4	100	114.3		6.02	6.02		8.56	8.56	8.56		11.13	13.49
5	125	141.3		6.55	6.55		9.53	9.53	9.53		12.7	15.88
6	150	168.3		7.11	7.11		10.97	10.97	10.97		14.27	18.26
8	200	219.1	7.04	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	23.01
10	250	273.1	7.8	9.27	9.27	12.7	12.7	12.7	15.09	18.26	21.44	28.58
12	300	323.9	8.38	9.53	10.31	14.27	12.7	12.7	17.48	21.44	25.4	33.32
14	350	355.6	9.53	9.53	11.13	15.09		12.7	19.05	23.83	27.79	35.71
16	400	406.4	9.53	9.53	12.7	16.66		12.7	21.44	26.19	30.96	40.49
18	450	457.2	11.13	9.53	14.27	19.05		12.7	23.83	29.36	34.93	45.24
20	500	508	12.7	9.53	15.09	20.62		12.7	26.19	32.54	38.1	50.01
22	—	559	12.7	9.53		22.23		12.7	28.58	34.93	41.28	53.98
24	600	610	14.27	9.53	17.48	24.61		12.7	30.96	38.89	46.02	59.54



WELDED STEEL PIPE PRODUCTS SERIES



PRODUCTS	SIZE RANGE	STANDARD	STEEL GRADE
ERW	1/2"-24"	API 5L,API 5CT, ASTM A 53, IPS,ISO, etc	A,B,X42,X46,X52,X56,X60,X65,X70,J55,K55,N80-1,N80Q, M65,L80-1,C90-1,C90-2,C95,T95-1,T95-2,P110,9711,9712
LSAW	16"-56"	API 5L,IPS,GB, BS,ASTM, JIS ,ISO, etc	A,B,X42,X46,X52,X56,X60,X65,X70, ST37,ST52
SSAW	8"-80"	API 5L,API 5CT, ASTM A 53, IPS,ISO, etc	A,B,X42,X46,X52,X56,X60,X65,X70, ST37,ST52,Q235,Q345
HOLLOW SECTION	10mm*10mm 500mm *500mm; 10mm*15mm0-500mm*300mm	ASTM, GB	A,B,C,Q195,Q215,Q235,Q345
GALVANIZED STEEL PIPE	1/2"-8"	GB, BS	Q195,Q215,Q235,A,B

PRODUCT INTRODUCE

ELECTRIC RESISTANCE ARC WELDED (ERW) STEEL PIPE

■ Application : To be used for conveying gas, water, and petroleum for on and natural gas industries. And use for the structural steel pipes purpose

■ Main Steel Tube Grade :

A,B,X42,X46,X52,X56,X60,X65,X70,J55,K55,N801,N80Q,M65,L80-1,C90-1,C90-2,C95,T95-1,T95-2,P110,9711 , 9712

■ Dimensions

Nominal Pipe Size		OD(mm)	Standard Wall Thickness									
NPS	DN	D	SHC30	STD	SCH40	SCH60	SCH80s	XS	SCH80	SCH100	SCH120	SCH160
1/8	6	10.3	---	1.73	1.73	---	2.41	2.41	2.41	---	---	---
1/4	8	13.7	---	2.24	2.24	---	3.02	3.02	3.02	---	---	---
3/8	10	17.1	---	2.31	2.31	---	3.2	3.2	3.2	---	---	---
1/2	15	21.3	---	2.77	2.77	---	3.73	3.73	3.73	---	---	4.78
3/4	20	26.7	---	2.87	2.87	---	3.91	3.91	3.91	---	---	5.56
1	25	33.4	---	3.38	3.38	---	4.55	4.55	4.55	---	---	6.35
1-1/4	32	42.2	---	3.56	3.56	---	4.85	4.85	4.85	---	---	6.35
1-1/2	40	48.3	---	3.68	3.68	---	5.08	5.08	5.08	---	---	7.14
2	50	60.3	---	3.91	3.91	---	5.54	5.54	5.54	---	---	8.74
2-1/2	65	73	---	5.16	5.16	---	7.01	7.01	7.01	---	---	9.53
3	80	88.9	---	5.49	5.49	---	7.62	7.62	7.62	---	---	11.13
3-1/2	90	101.6	---	5.74	5.74	---	8.08	8.08	8.08	---	---	---
4	100	114.3	---	6.02	6.02	---	8.56	8.56	8.56	---	11.13	13.49
5	125	141.3	---	6.55	6.55	---	9.53	9.53	9.53	---	12.7	15.88
6	150	168.3	---	7.11	7.11	---	10.97	10.97	10.97	---	14.27	18.26
8	200	219.1	7.04	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	23.01
10	250	273.1	7.8	9.27	9.27	12.7	12.7	12.7	15.09	18.26	21.44	28.58
12	300	323.9	8.38	9.53	10.31	14.27	12.7	12.7	17.48	21.44	25.4	33.32
14	350	355.6	9.53	9.53	11.13	15.09	---	12.7	19.05	23.83	27.79	35.71
16	400	406.4	9.53	9.53	12.7	16.66	---	12.7	21.44	26.19	30.96	40.49
18	450	457.2	11.13	9.53	14.27	19.05	---	12.7	23.83	29.36	34.93	45.24
20	500	508	12.7	9.53	15.09	20.62	---	12.7	26.19	32.54	38.1	50.01
24	600	609.6	12.7	9.53	17.48	24.61	---	12.7	30.96	38.89	46.02	59.54

SINOMETAL
MATERIAL LIMITED
STEEL PRODUCTS

LONGITUDINAL SUBMERGED ARC WELDED (LSAW) STEEL PIPE

Standard: API 5L, IPS, GB, BS, ASTM, JIS , ISO

- Application: it is To be used for conveying gas, water, and petroleum for oil and natural gas industries
- Main Steel Tube Grade : A.B.X42,X46,X52,X56,X60,X70,L242、L290、L320、L360、L390、L415、L450 (etc)
- Dimensions

OD		WT			WEIGHT	
INCH	MM	SCH	MM	IN	KG/M	LB/INCH
16″	406.4	10	6.35	0.25	63.28	42.52
16″	406.4		7.14	0.281	71.01	47.72
16″	406.4	20	7.92	0.312	78.62	52.83
16″	406.4		8.74	0.344	86.58	58.18
16″	406.4	STD-30	9.53	0.357	94.21	63.31
16″	406.4		10.31	0.406	101.72	68.36
16″	406.4		11.13	0.438	109.59	73.64
16″	406.4	XS-40	12.7	0.5	124.55	83.69
16″	406.4		14.27	0.562	139.39	93.67
18″	457	20	7.92	0.312	88.6	59.54
18″	457		8.74	0.344	97.59	65.58
18″	457	STD	9.53	0.375	106.23	71.38
18″	457		10.31	0.406	114.72	77.09
18″	457	30	11.13	0.438	123.62	83.07
18″	457	XS	12.7	0.5	140.56	94.45
18″	457	40	14.27	0.562	157.38	105.75
20″	508		8.74	0.344	108.7	73.04
20″	508	STD-20	9.53	0.375	118.33	79.51
20″	508		10.31	0.406	127.82	85.89
20″	508		11.13	0.438	137.76	92.57
20″	508	XS-30	12.7	0.5	156.7	105.3
20″	508		14.27	0.562	175.51	117.94
20″	508	40	15.09	0.594	185.28	124.5
22″	559		8.74	0.344	119.8	80.5
22″	559	STD-20	9.53	0.375	130.44	87.65
22″	559	XS-30	12.7	0.5	172.83	116.14
26″	660	STD	9.53	0.375	154.42	103.77
26″	660	XS-20	12.7	0.5	204.78	137.61
28″	711	STD	9.53	0.375	166.52	118.9
28″	711	XS-20	12.7	0.5	220.91	148.44
30″	762	STD	9.53	0.375	178.63	120.03
30″	762	XS-20	12.7	0.5	237.05	159.29

32″	813	STD	9.53	0.375	190.74	128.17
32″	813	XS-20	12.7	0.5	253.18	170.13
34″	864	STD	9.53	0.375	202.84	136.3
34″	864	XS-20	12.7	0.5	269.31	180.97
36″	914	STD	9.53	0.375	214.71	144.28
36″	914	XS-20	12.7	0.5	285.13	191.6
38″	965	STD	9.53	0.375	226.82	152.42
38″	965	XS	12.7	0.5	301.27	202.44
40″	1016	STD	9.53	0.375	238.93	160.55
40″	1016	XS	12.7	0.5	317.4	213.28
42″	1067	STD	9.53	0.375	251.04	168.69
42″	1067	XS	12.7	0.5	333.54	224.13
44″	1118	STD	9.53	0.375	263.14	176.82
44″	1118	XS	12.7	0.5	349.67	234.92
46″	1168	STD	9.53	0.375	275.01	184.8
46″	1168	XS	12.7	0.5	365.49	245.59
48″	1219	STD	9.53	0.375	287.12	192.93
48″	1219	XS	12.7	0.5	381.62	256.43
52″	1321		9.53	0.375	311.33	209.2
52″	1321		12.7	0.5	413.89	278.12
56″	1422		9.53	0.375	335.31	225.32

SPIRAL SUBMERGED ARC WELDED (SSAW) STEEL PIPE

Standard: API 5L, GB 9711.1/9711.2,ASTM A53

- Application: it is To be used for conveying gas, water, and petroleum for oil and natural gas industries
- Main Steel Tube Grade :

A.B.X42,X46,X52,X56,X60,X70,L242、L290、L320、L360、L390、L415、L450 (etc)

- Size range Dimensions

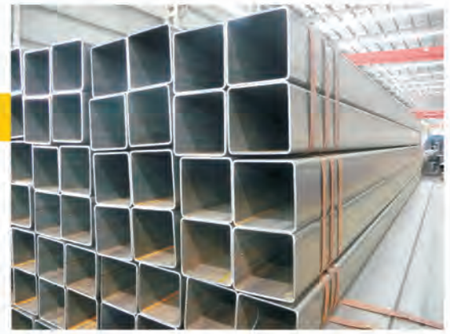
OD		WT			WEIGHT	
INCH	MM	SCH	MM	IN	KG/M	LB/INCH
8″	219.1		4.78	0.188	25.52	17.15
8″	219.1		5.16	0.203	27.5	18.48
8″	219.1		5.56	0.219	29.58	19.88
8″	219.1	20	6.35	0.25	33.65	22.61
8″	219.1	30	7.04	0.277	37.19	24.99
8″	219.1		7.92	0.312	41.66	28
8″	219.1	STD-40	8.18	0.322	42.98	28.88
8″	219.1		8.74	0.344	45.8	30.78
8″	219.1		9.53	0.375	49.75	33.43
8″	219.1	60	10.31	0.406	53.62	36.03
8″	219.1		11.13	0.438	57.66	38.75
8″	219.1	XS-80	12.7	0.5	65.3	43.88
8″	219.1		14.27	0.562	72.81	48.93
8″	219.1	100	15.09	0.594	76.69	51.53
8″	219.1		15.88	0.625	80.31	54.02
10″	273		4.78	0.188	31.94	21.46
10″	273		5.16	0.203	34.43	23.14
10″	273		5.56	0.219	37.04	24.89
10″	273	20	6.35	0.25	42.18	28.34
10″	273		7.09	0.279	46.97	31.56
10″	273	30	7.8	0.307	51.53	34.63
10″	273		8.74	0.344	57.34	38.66
10″	273	STD-40	9.27	0.365	60.9	40.92
10″	273		11.13	0.438	72.61	48.79
10″	273	XS-60	12.7	0.5	82.35	55.34
10″	273		14.27	0.562	91.92	61.8
10″	273	80	15.09	0.594	96.95	65.15
12″	323.8	20	6.35	0.25	50.22	33.75
12″	323.8		7.14	0.281	56.32	37.85
12″	323.8		7.92	0.312	62.32	41.88
12″	323.8	30	8.38	0.33	65.85	44.23
12″	323.8		8.74	0.344	68.6	46.1
12″	323.8	STD	9.53	0.375	74.61	50.13
12″	323.8	40	10.31	0.406	80.51	54.1
12″	323.8		11.13	0.438	86.69	58.25
12″	323.8	XS	12.7	0.5	98.42	66.14
12″	323.8	60	14.27	0.562	110.03	73.94
12″	323.8		15.88	0.625	121.81	81.85
14″	355.6	10	6.35	0.25	55.25	37.13
14″	355.6	20	7.92	0.312	68.6	46.1
14″	355.6		8.74	0.344	75.52	50.75
14″	355.6	STD-30	9.53	0.375	82.16	55.21
14″	355.6		10.31	0.406	88.68	59.59
14″	355.6	40	11.13	0.438	95.51	64.18
14″	355.6	XS	12.7	0.5	108.48	72.9
14″	355.6		14.27	0.562	121.33	81.53
14″	355.6	60	15.09	0.594	128	86.01
16″	406.4	10	6.35	0.25	63.28	42.52
16″	406.4		7.14	0.281	71.01	47.72
16″	406.4	20	7.92	0.312	78.62	52.83
16″	406.4		8.74	0.344	86.58	58.18
16″	406.4	STD-30	9.53	0.357	94.21	63.31
16″	406.4		10.31	0.406	101.72	68.36
16″	406.4		11.13	0.438	109.59	73.64
16″	406.4	XS-40	12.7	0.5	124.55	83.69
16″	406.4		14.27	0.562	139.39	93.67
18″	457	20	7.92	0.312	88.6	59.54
18″	457		8.74	0.344	97.59	65.58
18″	457	STD	9.53	0.375	106.23	71.38
18″	457		10.31	0.406	114.72	77.09

SINOMETAL
MATERIAL LIMITED
STEEL PRODUCTS

18″	457	30	11.13	0.438	123.62	83.07
18″	457	XS	12.7	0.5	140.56	94.45
18″	457	40	14.27	0.562	157.38	105.75
20″	508		8.74	0.344	108.7	73.04
20″	508	STD-20	9.53	0.375	118.33	79.51
20″	508		10.31	0.406	127.82	85.89
20″	508		11.13	0.438	137.76	92.57
20″	508	XS-30	12.7	0.5	156.7	105.3
20″	508		14.27	0.562	175.51	117.94
20″	508	40	15.09	0.594	185.28	124.5
22″	559		8.74	0.344	119.8	80.5
22″	559	STD-20	9.53	0.375	130.44	87.65
22″	559	XS-30	12.7	0.5	172.83	116.14
26″	660	STD	9.53	0.375	154.42	103.77
26″	660	XS-20	12.7	0.5	204.78	137.61
28″	711	STD	9.53	0.375	166.52	118.9
28″	711	XS-20	12.7	0.5	220.91	148.44
30″	762	STD	9.53	0.375	178.63	120.03
30″	762	XS-20	12.7	0.5	237.05	159.29
32″	813	STD	9.53	0.375	190.74	128.17
32″	813	XS-20	12.7	0.5	253.18	170.13
34″	864	STD	9.53	0.375	202.84	136.3
34″	864	XS-20	12.7	0.5	269.31	180.97
36″	914	STD	9.53	0.375	214.71	144.28
36″	914	XS-20	12.7	0.5	285.13	191.6
38″	965	STD	9.53	0.375	226.82	152.42
38″	965	XS	12.7	0.5	301.27	202.44
40″	1016	STD	9.53	0.375	238.93	160.55
40″	1016	XS	12.7	0.5	317.4	213.28
42″	1067	STD	9.53	0.375	251.04	168.69
42″	1067	XS	12.7	0.5	333.54	224.13
44″	1118	STD	9.53	0.375	263.14	176.82
44″	1118	XS	12.7	0.5	349.67	234.92

46″	1168	STD	9.53	0.375	275.01	184.8
46″	1168	XS	12.7	0.5	365.49	245.59
48″	1219	STD	9.53	0.375	287.12	192.93
48″	1219	XS	12.7	0.5	381.62	256.43
52″	1321		9.53	0.375	311.33	209.2
52″	1321		12.7	0.5	413.89	278.12
56″	1422		9.53	0.375	335.31	225.32
56″	1422		12.7	0.5	445.84	299.59
60″	1524		9.53	0.375	359.52	241.5
60″	1524		12.7	0.5	478.11	321.27
64″	1626		9.53	0.375	383.74	257.86
64″	1626		12.7	0.5	510.38	342.96
68″	1727		12.7	0.5	542.33	364.43
72″	1829		12.7	0.5	574.6	386.11
76″	1930		12.7	0.5	606.55	407.58
80″	2032		14.27	0.562	717.23	481.95

HOLLOW SECTION



Standard:ASTM A500, GB6728

•Application : construction, furniture structures as well as other fabrication purposes.

•Main Steel Tube Grade : A.B.C,Q195,Q215,Q235

•Technical data:

STEEL GRADE	CHEMICAL COMPOSITION %								MECHANICAL PROPERTIES %		
	C(%)	Si(%) (≤)	Mn(%)	P(%) (≤)	S(%) (≤)	Ni(%) (≤)	Cr(%) (≤)	Cu(%) (≤)	Yield (Mpa) (≥	Tensile (Mpa)	Elongation (≥)
Q195	0.06-0.12	0.3	0.25-0.50	0.045	0.05	0.03	0.03	0.03	195	315-390	32
Q215A	0.09-0.15	0.3	0.25-0.55	0.045	0.05	0.03	0.03	0.03	215	335-410	26
Q215B	0.09-0.15	0.3	0.25-0.55	0.045	0.045	0.03	0.03	0.03	215	335-410	26
Q235A	0.14-0.22	0.3	0.3-0.65	0.045	0.05	0.03	0.03	0.03	235	375-460	21
Q235B	0.14-0.22	0.3	0.3-0.70	0.045	0.045	0.03	0.03	0.03	235	375-460	21
Q235C	≤0.18	0.3	0.35-0.80	0.04	0.04	0.03	0.03	0.03	235	375-460	21
Q235D	≤0.17	0.3	0.35-0.80	0.035	0.035	0.03	0.03	0.03	235	375-460	21

• Dimensions

Square and Rectangle Pipe Size			
SIZE(mm)	THICKNESS(mm)	SIZE(mm)	THICKNESS(mm)
10×10	0.6-1.0	20×10	0.6-1.0
12×12	0.6-1.0	25×12	0.6-1.0
16×16	0.6-1.2	38×19	0.6-1.5
19×19	0.6-1.5	50×25	0.6-1.5
20×20	1.6-1.5	50×30	1.6-3.0
25×25	1.0-2.75	60×40	1.5-3.5
30×30	1.0-2.75	75×50	1.5-4.0
32×32	1.0-3.0	80×40	1.5-4.0
38×38	1.0-3.0	100×50	2.0-6.0
40×40	1.0-3.5	100×60	2.0-6.0
50×50	1.0-5.0	100×75	2.0-6.0
60×60	1.0-6.0	120×60	3.0-6.0
63.5×63.5	1.0-6.0	120×80	3.0-6.0
70×70	1.5-6.0	125×50	3.0-6.0
75×75	1.5-6.0	125×75	3.0-6.0
80×80	2.0-6.0	150×50	3.0-6.0
90×90	2.0-6.0	150×75	3.0-6.0
100×100	2.3-6.0	150×100	4.0-12
120×120	4.0-6.0	160×80	4.0-6.0
125×125	4.0-6.0	175×100	4.0-10
150×150	4.0-8.0	200×100	4.0-10
200×200	4.0-10	200×150	4.0-10
250×250	5.0-10	250×150	5.0-10
300×300	5.0-10	300×200	5.0-10
400×400	5.0-10	400×200	5.0-10
500×500	5.0-10	500×300	5.0-10

HOT DIPPED GALVANIZED PIPE

Standard: ASTM A53, BS1387, GB3091

■ Application: It is To be used for conveying gas, water and use for the structural steel pipes purpose

■ Main Steel Tube Grade: A, B. Q195, Q215, Q235

■ Technology Technical Data

STEEL GRADE	CHEMICAL COMPOSITION %								MECHANICAL PROPERTIES %		
	C(%)	Si(%) (≤)	Mn(%)	P(%) (≤)	S(%) (≤)	Ni(%) (≤)	Cr(%) (≤)	Cu(%) (≤)	Yield (Mpa) (≥	Tensile (Mpa)	Elongation (≥)
Q195	0.06-0.12	0.3	0.25-0.50	0.045	0.05	0.03	0.03	0.03	195	315-390	32
Q215A	0.09-0.15	0.3	0.25-0.55	0.045	0.05	0.03	0.03	0.03	215	335-410	26
Q215B	0.09-0.15	0.3	0.25-0.55	0.045	0.045	0.03	0.03	0.03	215	335-410	26
Q235A	0.14-0.22	0.3	0.3-0.65	0.045	0.05	0.03	0.03	0.03	235	375-460	21
Q235B	0.14-0.22	0.3	0.3-0.70	0.045	0.045	0.03	0.03	0.03	235	375-460	21
Q235C	≤0.18	0.3	0.35-0.80	0.04	0.04	0.03	0.03	0.03	235	375-460	21
Q235D	≤0.17	0.3	0.35-0.80	0.035	0.035	0.03	0.03	0.03	235	375-460	21

■ Dimensions

BS1387 LIGHT(HOT DIPPED GALVANIZED PIPES)						
SIZE		Max	Min	Wall Thickness	Bare Pipes Weight	Screwed & Socketed Pipes Weight
INCH	NB(MM)	mm	mm	mm	kg/m	kg/m
1/2"	15	21.4	21	2	0.947	0.956
3/4"	20	26.9	26.4	2.3	1.38	1.39
1"	25	33.8	33.2	2.6	1.98	2
1-1/4"	32	42.5	41.9	2.6	2.54	2.57
1-1/2"	40	48.4	47.8	2.9	3.23	3.27
2"	50	60.2	59.6	2.9	4.08	4.15
2-1/2"	65	76	75.2	3.2	5.71	5.83
3"	80	88.7	87.9	3.2	6.72	6.39
3-1/2"	90	113.9	113	3.6	9.75	10

BS1387 MEDIUME(HOT DIPPED GALVANIZED PIPES)						
SIZE		Max	Min	Wall Thickness	Bare Pipes Weight	Screwed & Socketed Pipes Weight
INCH	NB(MM)	mm	mm	mm	kg/m	kg/m
1/2"	15	21.7	21.1	2.6	1.21	1.22
3/4"	20	27.2	26.6	2.6	1.54	1.57
1"	25	34.2	33.4	3.2	2.41	2.43
1-1/4"	32	42.9	42.1	3.2	3.1	3.13
1-1/2"	40	48.9	48.3	3.2	3.57	3.61
2"	50	60.8	59.9	3.6	5.03	5.1
2-1/2"	65	76.6	75.4	3.6	5.43	6.55
3"	80	89.5	88.1	4.5	8.37	8.54
4"	100	113.9	113.0	4.5	12.2	12.5
5"	125	140.6	138.7	5	15.6	17.1
6"	150	166.1	164.1	5	19.7	20.3

BS1387 HEAVY(HOT DIPPED GALVANIZED PIPES)						
SIZE		Max	Min	Wall Thickness	Bare Pipes Weight	Screwed & Socketed Pipes Weight
INCH	NB(MM)	mm	mm	mm	kg/m	kg/m
1/2"	15	21.7	21.1	3.2	1.44	1.45
3/4"	20	27.2	26.6	3.2	1.87	1.88
1"	25	34.2	33.4	4	2.94	2.96
1-1/4"	32	42.9	42.1	4	3.8	3.83
1-1/2"	40	48.9	48.3	4	4.38	4.42
2"	50	60.8	59.9	4.5	5.19	5.26
2-1/2"	65	76.6	75.4	4.5	7.93	8.05
3"	80	89.5	88.1	5	10.3	10.5
4"	100	114.9	113.3	5.4	14.5	14.9
5"	125	140.6	138.7	5.4	17.9	18.4
6"	150	166.1	164.1	5.4	21.3	22.9

■ASTM A53 & ASTM A500

Nominal Pipe Size		OD(mm)	Standard Wall Thickness								
NPS	DN	D		STD	SCH40		SCH80s	XS	SCH80			SCH160
½	15	21.3		2.77	2.77		3.73	3.73	3.73			4.78
3/4	20	26.7		2.87	2.87		3.91	3.91	3.91			5.56
1	25	33.4		3.38	3.38		4.55	4.55	4.55			6.35
1-1/4	32	42.2		3.56	3.56		4.85	4.85	4.85			6.35
1-1/2	40	48.3		3.68	3.68		5.08	5.08	5.08			7.14
2	50	60.3		3.91	3.91		5.54	5.54	5.54			8.74
2-1/2	65	73		5.16	5.16		7.01	7.01	7.01			9.53
3	80	88.9		5.49	5.49		7.62	7.62	7.62			11.13
3-1/2	90	101.6		5.74	5.74		8.08	8.08	8.08			
4	100	114.3		6.02	6.02		8.56	8.56	8.56		11.13	13.49
5	125	141.3		6.55	6.55		9.53	9.53	9.53		12.7	15.88
6	150	168.3		7.11	7.11		10.97	10.97	10.97		14.27	18.26
8	200	219.1	7.04	8.18	8.18	10.31	12.7	12.7	12.7	15.9	18.26	23.01

MAJOR PROJECT REFERENCE LIST

NO.	CUSTUMER	LOCATION	STANDARD AND GRADE	APPLICATION
1	SEAH	CANADA	API 5L GR.B	water pipeline
2	STEELFORCE	NIGERIA	API 5L GR.B	gas and oil pipe line
3	TRANSGULF	DUBAI.U.A.E	API 5L GR.B-X42	water pipeline DUBAI
5	ONESTEEL	AUSTRALIA	API 5L GR.B	water pipeline
7	STEMCOR	SOUTH AFRICA	EN 10217 S235 JRH	STRACUTURE
8	DUFERCO	NIGERIA	API 5L X46	gas pipeline
9	HYUDAI	USA	API 5L GR.B-X60	Petroleum & Chemical piPE line
10	DUFERCO	CHILE	API 5L X46	water pipeline
11	SASOL	SOUTH AFRICA	API 5L GRB	natural gas line
12	TUBULAR	SOUTH AFRICA	API 5L X42	water pipeline
13	STEWARTS	SOUTH AFRICA	API 5L GRB	Structure & water
14	ABENGOA	CHILE	API 5L GR.B	water conveying
15	TOSEC	NETHERLAND	ASTM A53 GR.B	Structure
16	CCRC	BRAZIL	API 5L GR.B	water and gas
17	AST	MIDDLE EAST	API 5L X52	oil field

OTHER STEEL AND METAL PRODUCT PACKAGE SERVICE

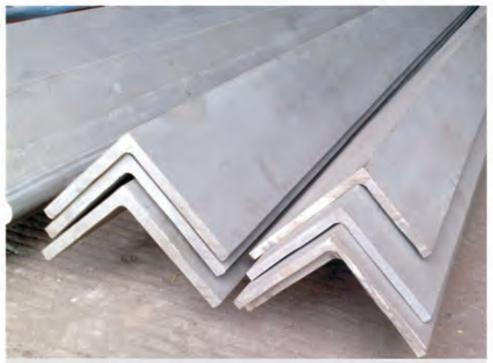
■STEEL COIL

HOT-DIP GALVANISED STEEL COIL

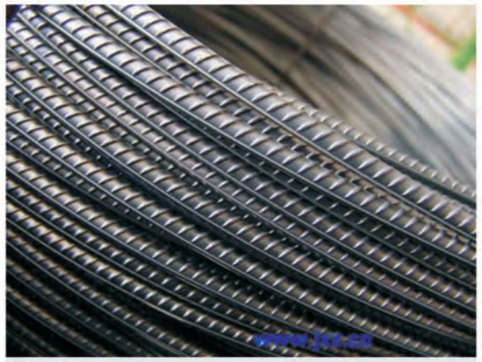
PRE-PAINTED GALVANISED STEEL COIL

■STRUCTURE STEEL

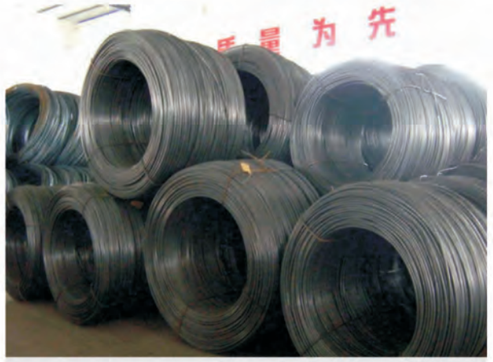
H-BEAM



ANGLE STEEL(EQUAL/UNEQUAL)



DEFORMED STEEL BAR



WIRE ROD

SINOMETAL
MATERIAL LIMITED
STEEL PRODUCTS

AWARD

5L

5CT

AP

ISO

14001EN

ISO9001EN

NIGC VENDOR LIST EXTENTION

En10219

DNV CERT1

DNV CERT2