



KCM SPECIAL STEEL CO.,LTD

COMPANY PROFILE

Business Type

- ★MANUFACTURER
- ★EXPORTER
- ★TRADING
- ★WHOLESALE
- ★AGENT

Year Established

- ★2007

Brand name

- ★KCM SPECIAL STEEL

Capital

- ★US\$500,000

Current Export Markets

- ★Worldwide

Total Annual Sales

- ★USD10,000,000-30,000,000 YEARLY

No. Of R&D Staff

- ★3

No. Of Total Staff

- ★60

No. OF Production lines

- ★Cold Drawn machines 3
- ★Cold Rolled Machines 2
- ★Pipe Fittings Machines 3
- ★Flange Machines: 3

Contact Infos

KCM SPECIAL STEEL CO.,LTD

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CONTACT PERSON:MR.BOB LEE

WEB:[HTTPS://WWW.DUPLEXSTAINLESSSTEELPIPES.COM](https://www.duplexstainlesssteelpipes.com)

[WWW.NICKEL-STEELS.COM](http://www.nickel-steels.com)

Relative certificates:



PMI TEST



PMI TEST

CHEMICAL COMPOSITION									
C	Mn	Si	S	P	Cr	Ni	Mo	Cu	N
0.03	1.20	0.80	0.02	0.035	24.0	8.0	3.0	0.5	0.01
0.03	1.00	1.0	0.02	0.030	23.0	8.50	2.50	0.50	0.01
0.03	1.27	1.00	0.03	0.030	18.0	4.25	2.50	0.50	0.01

HEAT TREATMENT & MECHANICAL PROPERTY				
热处理温度 °C	σb (Mpa) ≥	σs (Mpa) ≥	δ % ≥	ψ % ≤
1025-1125 水淬	800	550	15	3
1025-1125 油淬	820	400	25	3
950-1040 水淬	830	480	30	3

chemical c



Heat treat



Production



test equip



TUV CERT



DNV CERT



API CERT



QUALITY IN

The List of our main products:

<A> Stainless steel seamless & welded pipe



Details

Standard:	AISI, ASTM, DIN, etc	Place of Origin:	Zhejiang, China	Brand Name:	KCM SPECIAL STEEL
Model Number:	smls& welded Pipes/Tubes	Type:	Smls&welded	Steel Grade:	
Application:	Heat exchanger and condenser, etc	Surface:	as customer's required	Technique:	Cold drawn/rolled/weld
Thickness:	SCH5~SCH160	Outer Diameter:	1/8"-48"	Surface:	pickled&annealed

Packaging & Delivery

Packaging Detail:	wooden cases or plastic by bundles as customer's required
Delivery Detail:	10- 30 days

Specifications

01) Type: smls&welded

02) Process method: Cold drawn,cold rolled,welded

03) Surface finish: Polishing(180#, 220#, 240#, 320#, 400#, 600#), Hairline, pickled, etc

04) Standards: ASTM/ASME A312/SA312, A269; ASTM B677; EN 10216-5; AISI; etc

05) Material: (1)stainless steel :201, 202, 301, 304, 304L, 310S, 316, 316L,316Ti, 317, 317L, 321, 347,904L Duplex SS, S31803/2205, S32750/2507 ,S32760 ,MONEL400 ,INCONEL600 ,INCOLOY800, ALLOY20 ALLOY28, NICKEL ALLOY.

(2) carbon steel: API 5L , ASTM A106 ,etc

06) Size:

A) O. D.: 6.0mm-710mm for smls, welded up to 2500mm

B) Thickness: 0.5mm - 60mm

07) Length: Max. 16 meters (fixed or random length)

08) Delivery conditions: Annealed, pickled & polished

Sizes	O.D.: Φ6 - Φ2500mm, W.T: 0.5mm - 60mm
	SCH 5,SCH 10,SCH 20,SCH 40,SCH 80,SCH 120,SCH 160,SCH XXS
Specification	ASTM/ASME A312/SA312, A269; ASTM B677; EN 10216-5; AISI; etc
Grade	Stainless steel/nickel alloy
Application	Ship Builders, Automotive Industry, Power Generation, Food ,Industry, Paper Industry, Pharmaceutical Industry, Chemical Industry, Oil and Gas Industry, Heat Exchanger

pipe size details

Dimensions for ASME/ANSI Standards													Unit:mm		
													B16.9	B16.28	B36.10
Nominal pipe Size(NPS)		Outside Diameter	Nominal Wall Thickness												
			Sch5s	SCH10S	Sch20	Sch30	Sch40	STD	Sch80	XS	Sch160	XXS			
8	1/4	13.7	0.54	-	1.65	-	1.85	2.24	2.24	3.02	3.02	-	-		
10	3/8	17.1	0.675	-	1.65	-	1.85	2.31	2.31	3.20	3.20	-	-		
15	1/2	21.3	0.84	1.65	2.11	-	2.41	2.77	2.77	3.73	3.73	4.78	7.47		
20	3/4	26.7	1.05	1.65	2.11	-	2.41	2.87	2.87	3.91	3.91	5.56	7.82		
25	1	33.4	1.32	1.65	2.77	-	2.90	3.38	3.38	4.55	4.55	6.35	9.09		
32	1.1/4	42.2	1.66	1.65	2.77	-	2.97	3.56	3.56	4.85	4.85	6.35	9.70		
40	1.1/2	48.3	1.90	1.65	2.77	-	3.18	3.68	3.68	5.08	5.08	7.14	10.15		

50	2	60.3	2.38	1.65	2.77	-	3.18	3.91	3.91	5.54	5.54	8.74	11.07
65	2.1/2	73.0	2.88	2.11	3.05	-	4.78	5.16	5.16	7.01	7.01	9.53	14.02
80	3	88.9	3.50	2.11	3.05	-	4.78	5.49	5.49	7.62	7.62	11.13	15.24
90	3.1/2	101.6	4.00	2.11	3.05	-	4.78	5.74	5.74	8.08	8.08	-	-
100	4	114.3	4.50	2.11	3.05	-	4.78	6.02	6.02	8.56	8.56	13.49	17.12
125	5	141.3	5.56	2.77	3.40	-	-	6.55	6.55	9.53	9.53	15.88	19.05
150	6	168.3	6.62	2.77	3.40	-	-	7.11	7.11	10.97	10.97	18.26	21.96
200	8	219.1	8.62	2.77	3.76	6.35	7.04	8.18	8.18	12.70	12.70	23.01	22.23
250	10	273.0	10.75	3.40	4.19	6.35	7.80	9.27	9.27	15.09	12.70	28.58	25.40
300	12	323.8	12.75	3.96	4.57	6.35	8.38	10.13	9.53	17.48	12.70	33.32	25.40
350	14	355.6	14	3.96	4.78	7.92	9.53	11.13	9.53	19.05	12.70	35.71	-
400	16	406.4	16	4.19	4.78	7.92	9.53	12.70	9.53	21.44	12.70	40.49	-
450	18	457	18	4.19	4.78	7.92	11.13	14.27	9.53	23.83	12.70	45.24	-
500	10	508	20	4.78	5.54	9.53	12.70	15.09	9.53	26.19	12.70	50.01	-
550	22	559	22	4.78	5.54	9.53	12.70	-	9.53	28.58	12.70	53.98	-
600	24	610	24	5.54	6.35	9.53	14.27	17.48	9.53	30.96	12.70	59.54	-
650	*26	660	26	-	-	-	-	-	9.53	-	12.70	-	-
700	*28	711	28	-	-	-	-	-	9.53	-	12.70	-	-
750	*30	762	30	-	-	-	-	-	9.53	-	12.70	-	-
800	*32	813	32	-	-	-	-	-	9.53	-	12.70	-	-

 Pipe fittings



Elbow



Equal&Reducer



Concentric Red



Socket welding



Stainless Steel



904L&Monel400&



PIPE&FITTINGS



Stainless Steel

1.TYPE:SMLS&WELDED

2.Meterial Grade:201, 202, 301, 304, 304L, 310S, 316, 316L,316Ti, 317, 317L, 321, 347,904L Duplex SS, S31803/2205, S32750/2507 ,S32760,MONEL400,INCONEL600,INCOLOY800,ALLOY20 ALLOY28,NICKEL ALLOY

3.Pipe fittings data: check in other file with

4.Production process: check in other file.

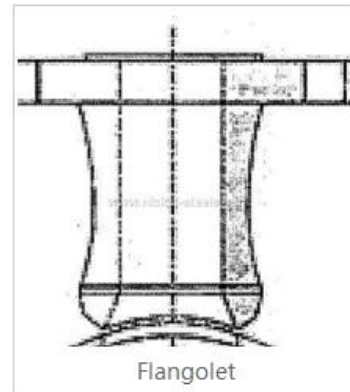
<C>.Flanges:



Slip-on Flange



Flanges



Flangolet

Flange is a type of industrial flange designed to transfer stresses to the pipe to reduce high stress concentrations at the base of the flange. Compared with other types, weld neck flanges are known for their tapered hub and gentle transition from flange thickness to pipe wall thickness. They are deformation-resistant, and are normally used for high pressure, high or low temperature conditions.

1.Flange type: BL ,WN,SO,LAP J,SW.

2.MATERIAL:201, 202, 301, 304, 304L, 310S, 316, 316L,316Ti, 317, 317L, 321, 347,904L Duplex SS,
S31803/2205, S32750/2507 ,S32760,MONEL400,INCONEL600,INCOLOY800,ALLOY20
ALLOY28,NICKEL ALLOY

PART OF FLANGE WEIGHT DETAILS

ASME B16.5 150# 法兰理论重量					
公称通径	法兰类型				
	WN	SO	LAP J	BL	SW
1/2	0.51	0.47	0.51	0.47	0.47
3/4	0.73	0.58	0.64	0.63	0.59
1	1.07	0.86	0.93	0.94	0.87
1-1/4	1.4	1.08	1.16	1.23	1.11
1-1/2	1.81	1.41	1.51	1.62	1.45
2	2.59	2.26	2.38	2.64	2.33
2-1/2	4.28	3.43	3.6	4.06	3.55
3	5.18	3.87	4.04	4.9	4.02
3-1/2	5.45	4.99	4.99	5.9	4.99
4	7.32	5.75	5.96	7.41	5.99
5	8.91	6.22	6.44	8.76	6.68
6	11.26	7.38	7.59	11.31	7.99
8	17.68	12.36	12.66	19.92	13.29
10	24.79	17.1	16.78	29.39	19.5
12	38.98	27.68	28.3	43.7	29.03
14	51.71	35.2	41.5	59.42	38.56
16	64.41	42.18	52.98	77.11	44.49
18	74.84	49.71	59	94.8	54.43
20	89.36	65.5	72.12	123.38	70.31
24	119.66	90.5	99.02	188.24	95.25

ASME B16.5 300# 法兰理论重量

公称通径	法兰类型				
	WN	SO	LAP J	BL	SW
1/2	0.78	0.62	0.61	0.62	0.62
3/4	1.34	1.15	1.15	1.16	1.19
1	1.64	1.39	1.38	1.42	1.44
1-1/4	2.06	1.67	1.66	1.79	1.73
1-1/2	3.06	2.53	2.52	2.68	2.62
2	3.4	2.8	2.79	3.09	2.94
2-1/2	5.31	4.25	4.22	4.75	4.49
3	7.32	5.81	5.78	6.79	6.2
3-1/2	8.17	7.72	7.72	9.53	
4	11.3	10.13	10.07	12	
5	15.12	12.58	12.52	15.96	
6	19.68	16.04	15.95	21.2	
8	30.48	24.5	24.37	34.6	
10	43.74	34.16	39.92	55.34	
12	64.41	51.26	58.7	78.9	
14	88.3	72.12	83.46	107.05	
16	112.94	90.4	106.14	139.25	
18	138.34	109	133.95	176.9	
20	167.37	136	157.65	223.17	
24	235.41	204	240.4	342	

ASME B16.5 600# 法兰理论重量

公称通径	法兰类型				
	WN	SO	LAP J	BL	SW
1/2	0.9	0.91	0.8	0.91	0.91
3/4	1.59	1.4	1.36	1.4	1.36
1	1.9	1.7	1.59	1.81	1.81
1-1/4	2.49	2.27	2.04	2.4	2.6
1-1/2	3.63	3.1	2.96	3.4	3.18
2	4.54	3.63	3.63	4.4	3.9
2-1/2	6.35	5.44	4.99	6.8	5.9
3	8.1	7.26	6.35	8.9	7.4
3-1/2	11.8	9.53	9.08	13.17	
4	16.78	14.97	14.06	18.6	
5	30.87	28.5	27.5	30.84	
6	36.77	36.32	35.38	38	
8	50.8	44	50.8	62.2	
10	86.26	76.2	74	102	
12	102.51	97.52	108.56	132	
14	121.56	1020	111	158	
16	177.06	149.82	165.71	224.73	
18	215.65	180.1	294	285	
20	267.86	231.54	258.78	365	
24	372	330	362	533.45	

ASME B16.5 900# 法兰理论重量					
公称通径	法兰类型				
	WN	SO	LAP J	BL	SW
1/2	2.1	1.8	1.8	1.9	
3/4	2.72	2.27	2.27	2.72	
1	3.86	3.4	3.4	4.08	
1-1/4	4.54	4.1	4.09	4.3	
1-1/2	5.9	5.45	5.4	5.9	
2	10.89	10.5	9.53	11.3	
2-1/2	16.34	15.8	13.13	16	
3	15	11.8	11.34	13.17	
3-1/2					
4	23.13	23.2	22.6	24.5	
5	38.5	37.65	36.74	39.46	
6	49.89	48.3	47.5	51.5	
8	79.45	75	86	89	
10	118.04	111.13	125.64	131.54	
12	157	146	167	187	
14	181.6	172.36	180.07	224.07	
16	224.73	192.92	211.11	272.4	
18	308.72	272.4	295.1	385.9	
20	376.82	331.42	367.74	488	
24	685	632	700	905	

<D>.Valves



2PC Flanged Ball Valve



2pc forging ball valve



ANSI Integral flanged ball valve



3PC Screwed Ball Valve With ISO5211 Pad



800lb forging gate valve



Cast Iron(CI) gate valve



Stainless Steel Gate Valve



stainless steel screwed gate valve



DIN flanged Y strainer



ANSI flanged Y strainer



JIS flanged Y strainer



Stainless Steel flanged Y strainer



- 1.MATERIAL:304, 304L, 310S, 316, 316L,316Ti, 317, 317L, 321, 347,904L Duplex SS, S31803/2205, S32750/2507 ,S32760,MONEL400,INCONEL600,INCOLOY800,ALLOY20 ALLOY28,NICKEL ALLOY,CARBON STEEL,CAST STEEL.
- 2.VALVE TYPE:BALL VALVE,CHECK VALVE,GATE VALVE,GLOBE VALVE,Y STRAINER,CAMLOCK,GROOVED COUPLING.