

Special Metal & Tubes Mfg Co.

Consistent, Accurate and Evolving....

visit us- www.specialmetals.net





ONLY

SEAMLESS TUBES

Quality &
Fair Price
can Co-Exist.



The World is moving towards a smarter solutions,
Smaller Sensors, Smaller Devices, Smaller chips.

We try our best to put our selves to your service for
Smaller Pipes & Tubes.

We & Our Co-Industry Friends...

	WALL THICKNESS																											
Outer Diameter	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.65	1.7	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.9	3.0	3.2	3.7	4.0	4.5	4.9	5.0
4.0																												
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7.94 / 8.00																												
9.52																												
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63.5																												
73																												
76.2																												
88.9																												
101.6																												
114.3																												

Where we
"FOCUS"

What the
"BIG BOYS" do.!!

What we can!!

	WALL THICKNESS																												
Outer Diameter	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.65	1.7	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.9	3.0	3.2	3.7	4.0	4.5	4.9	5.0	
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Where we
"FOCUS"

Within our
"RANGE"

Grades we handle

Stainless 300 Series

304, 304L, 316, 316L, 321, 310, 347

Stainless 400 Series

409, 439, 441, 410, 420, 430

Inconel

600, 625, 718, 800, 825

Duplex

2205, 2507

Super Duplex

32750, 32760

Grades we will handle Soon...

Titanium

Monel

Hastalloy.

**Customized Nickle
Alloys.**

**High Performance
Alloys.**

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Automation

Hydraulic 's

Pneumatic

Automotive

Heater's

**Sensory
Tubes.**

**Sanitary
Tubes**

Chemical's

WE WORK WITH !!

Application



Applications

- Heat Exchanger
- Condensers
- Evaporators
- Pressure Vessels
- Pump Casing application
- Instrumentation Tubing
- Muffler Tubes
- Hydraulic Tubing
- Industrial Equipments

PIPE CHART

Nominal Bore Chart		Outside Diameter	Schedule 5S		Schedule 10S		Schedule 40S		Schedule 80S		Schedule 160S		Schedule XXS	
		(O.D)												
mm	inches	mm	Wt	Weight	Wt	Weight	Wt	Weight	Wt	Weight	Wt	Weight	Wt	Weight
			mm	(Kg. /mt)	mm	(Kg. /mt)	mm	(Kg. /mt)	mm	(Kg. /mt)	mm	(Kg. /mt)	mm	(Kg. /mt)
3	1/8	10.3	1.24	0.276	1.24	0.28	1.73	0.37	2.41	0.47	-	-	-	-
6	1/4	13.7	1.24	0.39	1.65	0.49	2.24	0.631	3.02	0.8	-	-	-	-
10	3/8	17.1	1.24	0.49	1.65	0.63	2.31	0.845	3.2	1.1	-	-	-	-
15	1/2	21.3	1.65	0.8	2.11	1	2.77	1.27	3.75	1.62	4.75	1.94	7.47	2.55
20	3/4	26.7	1.65	1.03	2.11	1.28	2.87	1.68	3.91	2.2	5.54	2.89	7.82	3.63
25	1	33.4	1.65	1.3	2.77	2.09	3.38	2.5	4.55	3.24	6.35	4.24	9.09	5.45
32	1 1/4	42.2	1.65	1.65	2.77	2.7	3.56	3.38	4.85	4.47	6.35	5.61	9.7	7.77
40	1 1/2	48.3	1.65	1.91	2.77	3.11	3.68	4.05	5.08	5.41	7.14	7.25	10.16	9.54
50	2	60.3	1.65	2.4	2.77	3.93	3.91	5.44	5.54	7.48	8.74	11.1	11.07	13.44
65	2 1/2	73	2.11	3.69	3.05	5.26	5.16	8.63	7.01	11.4	9.53	14.9	14.2	20.39
80	3	88.9	2.11	4.51	3.05	6.45	5.49	11.3	7.62	15.2	11.1	21.3	15.24	27.65
100	4	114.3	2.11	5.84	3.05	8.36	6.02	16.07	8.56	22.3	13.49	33.54	17.12	41.03
125	5	141.3	2.77	9.47	3.4	11.57	6.55	21.8	9.53	31.97	15.88	49.11	19.05	57.43
150	6	168.3	2.77	11.32	3.4	13.84	7.11	28.3	10.97	42.7	18.2	67.56	21.95	79.22
200	8	219.1	2.77	14.79	3.76	19.96	8.18	42.6	12.7	64.6	23	111.2	22.23	107.8
250	10	273.1	3.4	22.63	4.19	27.78	9.27	60.5	12.7	96	28.6	172.4	25.4	155.15
300	12	323.9	3.96	31.25	4.57	36	9.52	73.88	12.7	132	33.32	238.76	25.4	186.97
350	14	355.6	3.96	34.36	4.78	41.3	11.13	94.59	19.05	158.08	35.71	281.7	-	-
400	16	406.4	4.19	41.56	4.78	47.29	12.7	123.3	21.41	203.33	40.46	365.11	-	-
450	18	457.2	4.19	46.8	4.78	53.42	14.27	155.8	23.8	254.36	45.71	466.4	-	-
500	20	508	4.78	59.25	5.54	68.71	15.09	183.42	26.19	311.2	49.99	564.68	-	-
600	24	609.6	5.54	82.47	6.35	94.45	17.48	255.41	30.96	442.08	59.54	808.22	-	-

TUBE CHART

Thick	0.5	0.6	0.7	0.8	1	1.2	1.6	2	2.6	3	3.2	3.6
O.D mm	Weight in kg/meter											
6	0.069	0.081	0.093	0.104	0.125	0.144	0.176	-	-	-	-	-
9.52	0.112	0.134	0.154	0.174	0.213	0.249	0.317	-	-	-	-	-
10	0.119	0.141	0.163	0.184	0.225	0.264	0.336	-	-	-	-	-
12.7	0.153	0.182	0.21	0.238	0.293	0.345	0.444	-	-	-	-	-
14	0.169	0.201	0.233	0.264	0.325	0.384	0.496	-	-	-	-	-
15.87	0.192	0.229	0.266	0.301	0.372	0.44	0.571	0.694	-	-	-	-
19	0.231	0.276	0.32	0.364	0.45	0.534	0.696	0.85	1.066	1.2	1.264	-
25	0.306	0.366	0.425	0.484	0.6	0.714	0.936	1.15	1.456	1.65	1.744	1.926
25.4	0.311	0.372	0.432	0.492	0.61	0.726	0.952	1.17	1.482	1.68	1.776	1.962
31.8	-	-	-	-	-	0.918	1.208	1.49	1.898	2.16	2.288	2.538
38	-	-	-	-	-	1.104	1.456	1.8	2.301	2.625	2.784	3.096
44.5	-	-	-	-	-	1.299	1.716	2.125	2.724	3.113	3.304	3.681
50.8	-	-	-	-	-	1.488	1.968	2.44	3.133	3.585	3.808	4.248
63.5	-	-	-	-	-	-	2.476	3.075	3.959	4.538	4.824	5.391
76.1	-	-	-	-	-	-	2.98	3.705	4.778	5.483	5.832	6.525
101.6	-	-	-	-	-	-	4	4.98	6	7	7,872	8.82

International Standards

(A) ASTM/ASME – Standards		
ASTM	213 / SA 213	Seamless ferritic and austenitic alloy steel boiler, super heater and heat Exchanger Tubes
ASTM	249 / SA 249	Welded austenitic steel boiler, Super Heater, Heat Exchanger Tubes and Condenser Tubes
ASTM	268 / SA 268	Seamless and Welded ferritic and martensitic stainless steel tubing for general service
ASTM	269 / SA 269	Seamless and Welded austenitic stainless steel tubing for general service
ASTM	312 / SA 312	Austenitic stainless steel seamless pipe & S.S. Welded pipes
ASTM	358 / SA 358	Stainless Steel Welded pipe for high temperature service
ASTM	688 / SA 688	Welded feed water heater 'U' Tubes
(B) German – Standards		
DIN	17455	Welded general purpose piping
DIN	17456	Seamless circular austenitic stainless steel for general service
DIN	17457	Circular austenitic stainless steel welded tubes subject to special requirement
DIN	17458	Seamless circular austenitic stainless steel tubes subject to special requirement
DIN	28180	Stainless Steel Seamless Heat Exchanger Tube
(C) NF – Standards (AFNOR Standard)		
NF	A 49-117	Seamless ferritic and austenitic stainless steel tubes for general services
NF	A 49-217	Seamless ferritic, austenitic and ferritic-austenitic stainless steel tubes for heat exchanger
(D) JIS – Standards		
JIS	G 3459	S.S. Seamless pipes.
JIS	G 3463	Stainless steel boiler and heat exchanger tubes

INFRASTRUCTURE



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