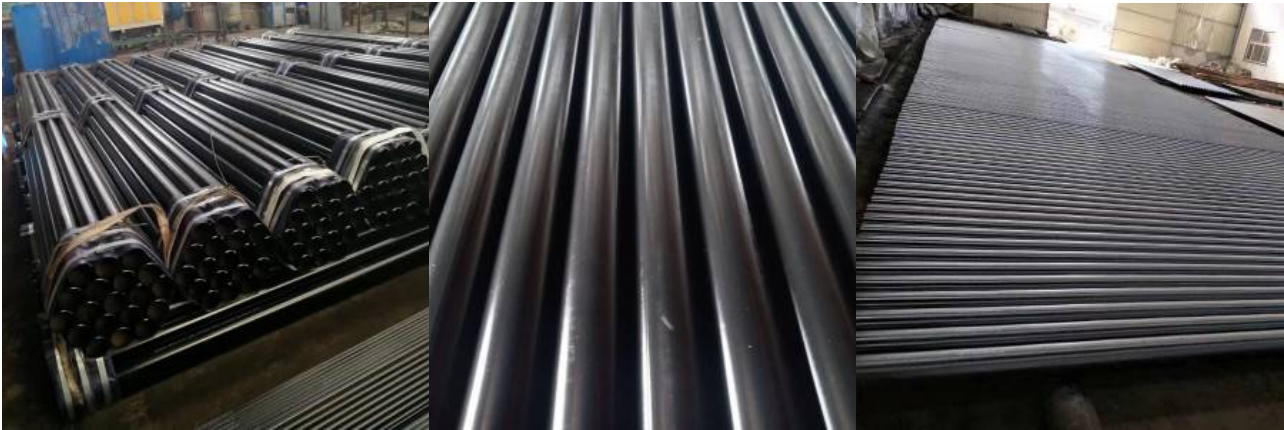


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## Carbon Steel Seamless Pipe



Seamless Steel Pipe is made from a solid round steel 'billet' which is heated and pushed or pulled over a form until the steel is shaped into a hollow tube. The seamless pipe is then finished to dimensional and wall thickness specifications in sizes from 1/8 inch to 32 inch OD. Carbon Steel Seamless Pipes / Tubes Carbon steel is an alloy consisting of iron and carbon. The percentage of carbon in the steel affects the hardness, strength of elasticity and ductility of carbon steel. Seamless carbon steel pipe or solid steel ingot is made of the capillary tube through the hole, then through the hot-rolled, cold rolled or cold call is made. Seamless carbon steel pipe in China's steel industry has an important position. Seamless carbon steel pipe material is a round tube, pipe cutting machine embryos to go through cutting about 1 m of length blank, and sent by conveyor belt furnace heating. Billet is fed into the heating furnace, the temperature is about 1200 degrees Celsius. Fuel is hydrogen or acetylene. Furnace temperature control is the key issue. Round tube came out to punch through the machine through air pressure. Generally more common punch is tapered roll perforation machine, the punch high production efficiency, product quality, large diameter hole expansion, can wear a variety of steel. Perforation, round tube has been on three-roll cross rolling, rolling or extrusion. Squeezed off the tube after sizing. Sizing by high-speed rotary cone drill holes into the billet to form a tube. Pipe diameter by the sizing mill to determine the length of the drill diameter. After the pipe through the sizing into the cooling tower, cooling by water spray, steel after cooling, should be straightening. After the steel belt sent by straightening metal testing machine (or pressure test) for internal testing. If the pipe internal cracks, bubbles and other problems will be detected. After the pipe but also through strict quality control manual selection. Steel quality, the use of spray paint numbers, specifications, production lot number. By a crane into the warehouse.

The wall thickness of seamless pipe

MM	INCH	ASME	DIN	DIN	ASME	JIS	ASME	ASME	ASME	ASME
A	B	O.D.	O.D.	Thickness	SCH20	SGP	STD	SCH40	XS	SCH80
6	1/8"	10.3				2	1.73	1.73	2.41	2.41
8	1/4"	13.5				2.3	2.24	2.24	3.02	3.02
10	3/8"	17.1	17.2	1.8		2.3	2.31	2.31	3.2	3.2
15	1/2"	21.3	21.3	2	2.5	2.8	2.77	2.77	3.37	3.73
20	3/4"	26.7	26.9	2.3	2.5	2.8	2.87	2.87	3.91	3.91
25	1"	33.4	33.7	2.6	3	3.2	3.38	3.38	4.55	4.55
32	1.1/4"	42.2	42.4	2.6	3	3.5	3.56	3.56	4.85	4.85
40	1.1/2"	48.3	48.3	2.6	3	3.5	3.68	3.68	5.08	5.08
50	2"	60.3	60.3	2.9	3.2	3.8	3.91	3.91	5.54	5.54
65	2.1/2"	73	76.1	2.9	4.5	4.2	5.16	5.16	7.01	7.01
80	3"	88.9	88.9	3.2	4.5	4.2	5.49	5.49	7.62	7.62
90	3.1/2"	101.6	101.6	-	4.5	4.2	5.74	5.74	8.08	8.08
100	4"	114.3	114.3	3.6	4.9	4.5	6.02	6.02	8.56	8.56
125	5"	141.3	139.7	4	5.1	4.5	6.55	6.55	9.53	9.53
150	6"	168.3	168.3	4.5	5.5	5	7.11	7.11	10.97	10.97
200	8"	219.1	219.1	6.3	6.35	5.8	8.18	8.18	12.7	12.7
250	10"	273	273	6.3	6.35	6.6	9.27	9.27	12.7	15.09
300	12"	323.8	323.8	7.1	6.35	6.9	9.53	10.31	12.7	17.48
350	14"	355.6	355.6	8	7.92	7.9	9.53	11.13	12.7	19.05

#### Tolerance of Outer Diameter and Wall thickness

Standard	Tolerance of outer diameter (mm)		wall thickness (mm)	
	OD(mm)	Tolerance of OD	OD ≤130mm	OD >130mm
ARM A53	<48.3	+0.4mm - 0.79mm	all	±12.5%
	>60.3	+1%		
ASTM A106	<48.3	+0.4mm - 0.79mm	all	±12.5%
	48.3-114.3	+0.79mm		
	>114.3	+1.59 - 0.79mm		

Product link : <https://www.hnssd.com/carbon-steel-seamless-pipe.html>