



Stainless Steel Bright annealed Welded Tube



Stainless Steel Seamless Tubes

QUALITY POLICY : We, KSHIPRA ENGINEERING into the business of manufacturing of stainless steel welded tubes and pipes are committed for enhancing customer satisfaction and continual improvement in our QEHS management system and performance.

ABOUT-US

VISION : To attain global excellence by continuously developing and providing the best quality product and services. Exceeding expectations of our customer with innovative product and applications.

Kshipra Engineering produces Stainless steel – Welded & Seamless Tubes/Pipes with an annual capacity of 2000 MT/Year.

The founders of Kshipra Engineering have 7+ years of experience in the field of tube production and globe sales of steel tubular products.

We have deep understanding & knowledge of the end application and is technical compliance.

MISSION : Making difference in our space through having wide range of products. Becoming the supplier of choice. Delivering premium products. Creating value for our customers.



Our Motto Quality that believes you along with We work for the best

PRODUCT RANGE/ SPECIFICATION

**Product:- Cold Drawn Stainless Steel
Welded Straight & 'U' Tubes/Pipes.**

Welded	OD:- 10.0 MM TO 48.3 MM
Thickness:- 0.30 mm to 3.0 mm	Length:- Up to 30 meters

- ⇒ Bright annealing (BA) refers to stainless steel material is heated in closed furnace in reducing atmosphere of insert gases, common Hydrogen gas, after fast annealing rapid cooling, Stainless steel has a protective layer on outer surface, no reflect in open air environment, this layer can resist corrosion attack.
- ⇒ In general, material surface is more smooth and brighter.

⇒ Bright Annealing Welded Tube

Welded tube is annealed in a vacuum controlled atmosphere to keep the surface free of oxidation and bright. In this bright annealing process, protective gas is inserted in the closed furnace or mixture of hydrogen and nitrogen atmosphere from dissociated ammonia, when tube is heated up to certain specified temperature and rapid cooling, a bright and smooth protective layer is formed on the surface of tube.

⇒ Before Bright Annealing

The surface of the tube must be clean, no other foreign matter, any matter left on the tubing surface can cause damage during the process.

⇒ Inserted Gas

Annealing atmosphere should be free from oxygen, isolating material, creating a vacuum condition, inserted gas common dry hydrogen or argon can obtain bright results.

⇒ Annealing Temperature

Annealing Temperature should be noticed depending in different stainless grades, commonly Austenitic steels annealing temperature is at least 1040 degree, soak time is not important. High temperature must be required to attain brighter appearance.

Heating is done as fast as possible, Slow heat results in oxidation. Some ferritic stainless steels require lower annealing temperature, such as Tp439 cannot be effectively bright annealed, water quenching will cause scale formation.

⇒ Purpose and Advantages of Bright Annealed

Eliminate work hardening and obtain satisfactory metallographic structure. obtain a bright non oxidizing surface with good corrosion resistance.

The bright treatment maintains the smoothness of the rolled surface and the bright surface can be obtained without post processing.

No pollution problems caused by common pickling methods.



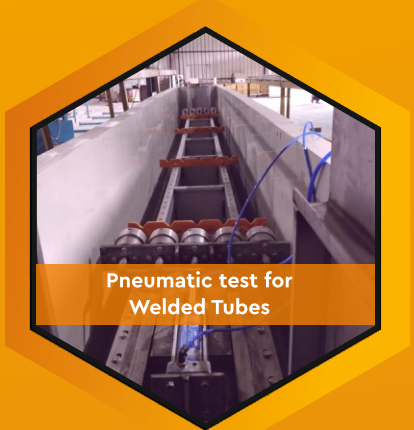
MANUFACTURING MACHINERY



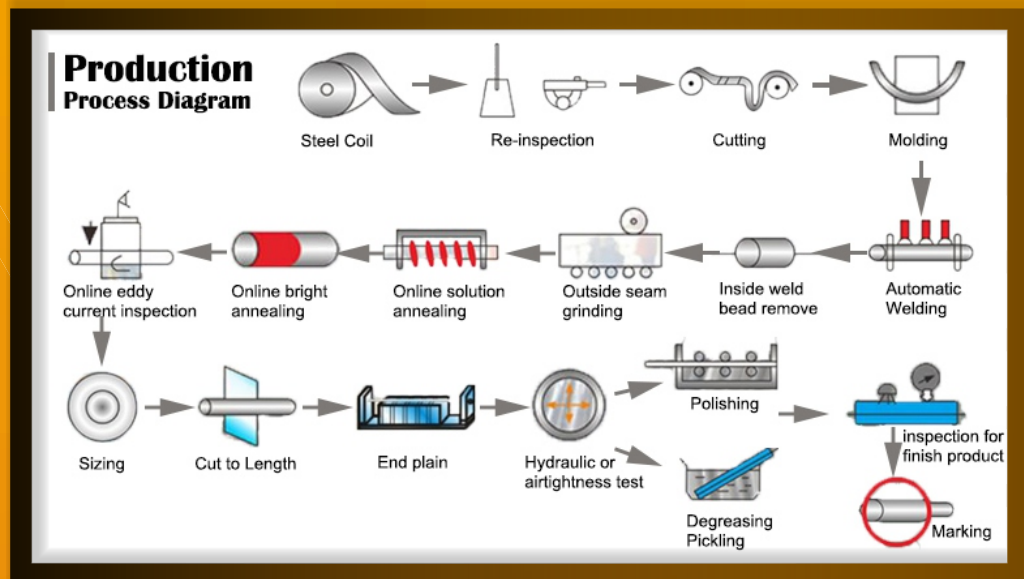
Tube Mill With Inline
Bright Annealing & ECT



Straightening
Machine



Pneumatic test for
Welded Tubes



STAINLESS STEEL WELDED TUBE

ROUND	WEIGHT [KG/MTR](METRIC SIZE)							
O.D.(MM)	1.00MM	1.20MM	1.50MM	2.00MM	3.00MM	4.00MM	5.00MM	8.00MM
12.70	0.293	0.346	4.421	0.536	-	-	-	-
15.88	0.373	0.441	0.540	0.695	-	-	-	-
17.14	0.404	0.479	0.587	0.758	-	-	-	-
19.05	0.542	0.536	0.659	0.854	-	-	-	-
20.00	0.746	0.565	0.659	0.901	-	-	-	-
21.30	0.508	0.604	0.744	0.967	-	-	-	-
22.23	0.531	0.631	0.777	1.012	-	-	-	-
25.40	0.611	0.727	0.898	1.172	1.683	-	-	-
26.67	0.643	0.765	0.945	1.235	1.778	-	-	-
31.75	0.770	0.918	1.136	1.460	2.160	-	-	-
33.34	0.811	0.968	1.198	1.573	2.284	-	-	-
38.10	0.929	1.109	1.375	1.808	2.637	-	-	-
40.50	0.989	1.181	1.465	1.928	2.817	3.656	-	-
42.16	1.037	1.238	1.536	2.023	2.960	3.846	-	-
48.26	1.192	1.424	1.769	2.334	3.425	4.467	5.416	-
50.80	1.247	1.490	1.852	2.444	3.591	4.687	5.734	-
57.15	-	1.686	2.096	2.769	4.079	5.339	6.529	-
60.33	-	1.782	2.216	2.930	4.319	5.659	6.927	-
63.50	-	1.872	2.329	3.080	4.545	5.960	7.324	-
73.03	-	2.158	2.687	3.557	5.261	6.914	8.517	-
76.20	-	2.254	2.806	3.716	5.499	7.232	8.914	-
88.90	-	-	3.283	4.352	6.453	8.504	10.504	16.206
101.60	-	-	-	4.998	7.407	9.776	12.094	18.750
114.30	-	-	-	5.624	8.361	11.048	13.684	21.294
127.00	-	-	-	6.260	9.315	12.320	15.274	23.838

* Dimensional Tolerance According To ASTM A269

APPLICATION



HEAT EXCHANGER



REFINERIES



POWER PLANT



CHEMICALS INDUSTRIES



PHARMACEUTICALS



OIL & GAS



ENGINEERING



AUTOMOBILE



AEROSPACE



FOOD PROCESSING



TEXTILES



PAPER & PULP

 479, Savli GIDC, Manjusar,
Vadodara, Gujarat-391775 (INDIA)

 www.kshipraeng.com

 chinmay.joshi@kshipraeng.com
jishnu.joshi@kshipraeng.com

 +91 7227855333 (Chinmay Joshi)
+91 9428011155 (Jishnu Joshi)

