

# Modern Technology Of Seamless Steel Tube Production

read more -roll rolling tube billet need to initially, after the extrusion sizing examination, if there is no response after split externally of pipe need to be cut after cutting equipment, reducing grow about a meter of billet. And after that go into the annealing procedure, annealing with acid pickling liquid, pickling when ought to focus on whether there is a great deal of bubble surface area, if there is a great deal of bubbles reveal that the top quality of the steel tube can not fulfill the matching standards. Appearance on cool rolled smooth steel tube is shorter in hot rolled seamless steel pipe, cool rolled smooth steel tube wall surface density typically smaller than warm rolled seamless steel tube, however the surface area looks brighter than the thick ASTM A106 smooth steel pipe, not a great deal of rough surface, the diameter is not a lot of burr.

The delivery condition of warm rolled seamless steel tube is usually made after heat treatment. Hot-rolled smooth steel tube after QC ought to pass personnel rigorous manual pick, after the quality assessment for surface area coating of oil, and after that adhered to by chilly drawing experiment often times, opening of the experiments carried out after warm rolling handling, if the punched opening diameter is also big for correcting the alignment of straightening. After straightening, the transmission gadget is transferred to the detector to perform the examination, and then the tag as well as the specification are put into the warehouse.

Circular tube billet and also heating to punch, three-roll skew rolling, rolling, or pressing - pipeline - sizing (or decreasing) - cooling - straightening out to hydrostatic examination or assessment - > tag, warehousing seamless steel tube is made from solid tube ingot or the opening blood vessel, after that through hot rolling as well as chilly rolling or cold dial. The specification of seamless steel tube is shown by the external size of the wall density millimeter.

Normally above 32 mm hot rolled smooth steel tube size, wall surface density 2.5 200 mm, to 6 mm cool rolled seamless steel tube diameter, wall surface density to 0.25 mm, to 5 mm thin wall surface pipeline diameter thickness much less than 0.25 mm, cool than hot rolled high dimensional precision.



It is normally made from the excellent quality carbon steel, such as 10, 20, 30, 35, 45, and so on, such as low alloy steel, such as 16Mn, 5MnV, etc., and so on, which are constructed from hot rolled or cool rolled steel, such as 40Cr, 30CrMnSi, 45Mn2, 40MnB, etc. The seamless pipeline made by low carbon steel, such as 10 and also 20, is mostly made use of for circulation pipe. The seamless work of medium carbon steel such as 45 as well as 40Cr is used to make mechanical components, such as cars and truck as well as tractor parts. Generally use seamless steel tube to guarantee stamina and also squashing test. Hot rolled steel pipe in warm rolled state or heat treatment. Cold rolled with warm therapy.

Warm rolled, as the name indicates, the temperature of the rolling piece is high, so the deformation resistance is tiny, can attain the large contortion quantity. Take the moving system of steel plate as an example, the thickness of the continual spreading billet is about 230mm, as well as the density is 1 ~ 20mm after roughing and rolling. At the very same time, since the thickness of steel plate is smaller than tiny, the measurement accuracy need is reasonably reduced, home plate type problem is challenging to appear, the control convexity is given priority.