

Stainless Steel Welded Tube

Stainless tube units, size range and the standards the tube is specified to.

What this covers

Stainless tube is welded on the same principle as carbon steel — uncoil, roll-form, high-frequency weld, size, straighten, cut — but the lines run at a fraction of the carbon-steel speed. That is deliberate: lower line speed keeps heat input and the weld bead controlled, and protects the surface finish the product is bought for. The three ZT stainless units we build are below.

Unit	Tube OD	Wall thickness	Line speed
ZT-20C	7 – 25 mm	0.3 – 1.2 mm	3 – 7 m/min
ZT-30	13 – 30 mm	0.4 – 1.5 mm	3 – 7 m/min
ZT-50	20 – 76 mm	0.3 – 1.2 mm	3 – 7 m/min

Standards the tube is specified to

- **ASTM A554** — welded stainless steel mechanical tubing, the usual specification for ornamental, structural and mechanical stainless tube.
- **ASTM A269** — seamless and welded austenitic stainless steel tubing for general service.
- **EN 10217-7** — welded steel tubes for pressure purposes; the stainless part of the EN 10217 series.

The applicable standard governs grade, mechanical properties, surface finish and tolerances. The stainless grade and finish for your order are confirmed at quotation — bring the standard you are working to and we will confirm the line against it.

What we need to quote

Tube OD and wall thickness, stainless grade or the standard you are working to, required surface finish (mill, polished, bright annealed), coil width available to you, and required output.

Machine pages and further reading

- Stainless steel tube making machine — ZT-20C / ZT-30 / ZT-50 — steelpipemachines.com/posts/stainless-steel-tube-making-machine
- High frequency stainless steel pipe roll forming machine — steelpipemachines.com/posts/high-frequency-stainless-steel-pipe-roll-forming-machine