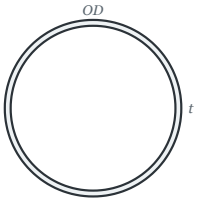
304 Stainless Steel Pipe

OMEGA STEEL CO.
Istanbul · Dilovası plant

1.4301 · AISI 304 · 304 stainless pipe is the round tube we sell most: welded from 1.4301 strip, Ø 12–219 mm in 1–4 mm walls, satin-polished for railings and furniture or 2B / pickled for ducting, tanks and general fabrication, with ASTM A312 schedule pipe in 304/304L for pressure work. Stocked at Dilovası in 6 m lengths, cut to length, film-protected.

1.4301 · AISI 304 | Ø 12–219 mm | 1–4 mm wall | Satin 320 / 2B | Sch 5S–40S in 304L



Ø 60.3 × 2 mm

Handrails, balustrades, kitchen frames, exhaust ducts, water lines — the round stainless tube in all of them is 304. We hold the ornamental and the industrial version in the same rack and cut both to size.

WEIGHT TABLE — 304 ROUND TUBE (KG/M AND PER 6 M)

OD (mm)	Wall (mm)	kg/m	kg per 6 m
20	1	0.473	2.84
20	1.2	0.562	3.37
20	1.5	0.691	4.15
20	2	0.897	5.38
20	2.5	1.09	6.54
20	3	1.271	7.63
21.3	1	0.506	3.04
21.3	1.2	0.601	3.61
21.3	1.5	0.74	4.44
21.3	2	0.962	5.77
21.3	2.5	1.171	7.03
21.3	3	1.368	8.21
22	1	0.523	3.14
22	1.2	0.622	3.73

First 14 of 156 rows — the full table is on the product page.

Welded EN 10217-7 / ASTM A554 (ornamental) and A312 (pressure); density 7.93 kg/dm³; 6 m lengths.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
1.4301 / 304 (EN 10088, ASTM A554 / A312)	≥ 210	the stock grade
1.4307 / 304L	≥ 200	welded pressure pipe, low carbon
1.4401 / 316	≥ 220	marine, chemical
1.4404 / 316L	≥ 200	process pipework, pharma
1.4541 / 321	≥ 200	high temperature, titanium-stabilised, to order

Yield per EN 10088-2 for the strip; welded tube properties per EN 10296-2 / EN 10217-7. Most stock is dual-certified 1.4301/1.4307.

ORNAMENTAL TUBE VS SCHEDULE PIPE

Aspect	Ornamental / mechanical tube	Schedule pressure pipe
Standard	EN 10296-2, ASTM A554	EN 10217-7, ASTM A312
Sizing	OD × wall in mm (or inch OD)	NPS × schedule (5S / 10S / 40S)
Surface	satin 180–320, mirror, or 2B	2B / pickled, unpolished
Heat treatment	as welded (bead removed)	solution annealed + pickled
Testing	dimensional, eddy-current option	hydrostatic, eddy-current, 3.1
Grade	304 (dual 304/304L)	304L usually specified
Typical use	railings, furniture, frames, ducts	process, water, steam, food lines

Aspect	Ornamental / mechanical tube	Schedule pressure pipe
Fittings	ornamental elbows, end caps	butt-weld fittings, flanges (ASME B16.9 / EN 10253)

Do not use ornamental tube for pressure: it is not annealed, not hydro-tested and its wall is thinner than any schedule.

STANDARDS

EN 10296-2 / EN 10217-7 — welded stainless tubes (mechanical / pressure) · ASTM A554 (ornamental) / A312 (pressure) — TP304 / 304L · ASME B36.19M schedules · EN 10204 3.1