Stainless Steel Sheet

OMEGA STEEL CO.
Istanbul · Dilovası plant

Cold- and hot-rolled stainless steel sheet and plate in austenitic 304 / 304L (1.4301 / 1.4307), 316 / 316L (1.4401 / 1.4404), 321 (1.4541), ferritic 430 (1.4016) and duplex 2205 on request, 0.40 to 30 mm, 1 000, 1 250 and 1 500 mm wide, finishes 2B, BA, No.4 satin, hairline, mirror No.8, PVD colour, with PE protective film, from stock in Dilovası; cut, slit, laser-cut and folded for kitchens, fabrication, food and chemical plant, architecture, tanks and cladding.

304 · 316L · 430 · 321 · 2205 | 0.40 – 30 mm | 2B · BA · No.4 · hairline · mirror · PVD | EN 10088 · ASTM A240 | PE film · laser-cut

The three grades that cover 90% of stainless demand — 304 for general and food use, 316L for chloride and coastal service, 430 for budget decorative work — from stock in 0.40–30 mm with the finish the job needs: 2B mill, BA bright, No.4 satin, hairline, mirror or PVD colour, film-protected. Cut to size, slit, laser-cut and folded on dedicated stainless tooling in Dilovası; priced per kg with EN 10204 3.1 for every sh

304 VS 316 VS 430 — WHICH STAINLESS STEEL SHEET

	304 / 304L (1.4301 / 1.4307)	316 / 316L (1.4401 / 1.4404)	430 (1.4016)
Family	Austenitic (18% Cr, 8% Ni)	Austenitic (17% Cr, 10% Ni, 2% Mo)	Ferritic (16% Cr, no Ni)
Corrosion resistance	Good — food, kitchens, indoor/urban	Better — chlorides, coastal, chemical, pharma	Moderate — indoor, dry
Magnetic	No (slightly after forming)	No	Yes
Formability / deep drawing	Excellent	Very good	Fair
Weldability	Excellent (L grades for heavy sections)	Excellent	Limited (grain growth)
Yield / tensile	210 / 520–720 MPa	220 / 520–670 MPa	260 / 450–600 MPa
Price index (per kg)	1.00	1.45–1.60	0.65–0.75
Typical use	Kitchens, tanks, fabrication, handrails, appliances	Marine, coastal façades, chemical, pools, food with brine	Appliances, trim, decorative panels, indoor cladding

SURFACE FINISHES

Finish	EN code	Appearance	Ra (µm)	Thickness	Use
2B	2B	Smooth, semi-matt, cold-rolled	0.1–0.5	0.40–6.0 mm	General, fabrication, to be polished (stock)
BA (bright annealed)	2R	Mirror-like, reflective	≤ 0.1	0.40–2.0 mm	Appliances, trim, reflectors
No.4 satin	2J / 2G	Brushed, 150–180 grit	0.3–0.6	0.40–6.0 mm	Kitchens, handrails, architecture (stock)
Hairline	2J (long grain)	Fine continuous brush	0.2–0.4	0.40–3.0 mm	Lifts, panels, doors, cladding (stock)
Mirror No.8	2P	Polished, reflective	≤ 0.05	0.5–3.0 mm	Decorative, columns, signage
Vibration / scotch-brite	2K	Non-directional	0.2–0.4	0.5–3.0 mm	Architecture, anti-scratch
PVD colour	—	Gold, bronze, black, rose gold on No.4 / mirror	—	0.6–1.5 mm	Interiors, lifts, façades
No.1 / 1D	1D	Hot-rolled, pickled, matt	2–6	3–30 mm	Plate, tanks, structures
Checkered / embossed	2M	Patterned	—	1.5–6 mm	Floors, anti-slip, decorative

All cold-rolled finishes supplied with PE protective film (60–80 µm) on request; one side or both.

THICKNESS, SIZES AND WEIGHT

Thickness	kg/m²	1 000 × 2 000 (kg)	1 250 × 2 500 (kg)	1 500 × 3 000 (kg)	Form / finish
0.40 mm	3.17	6.3	9.9	14.3	CR 2B / BA / No.4
0.50 mm	3.97	7.9	12.4	17.8	CR 2B / BA / No.4 / hairline
0.60 mm	4.76	9.5	14.9	21.4	CR
0.80 mm	6.34	12.7	19.8	28.5	CR
1.00 mm	7.93	15.9	24.8	35.7	CR
1.20 mm	9.52	19.0	29.7	42.8	CR
1.50 mm	11.9	23.8	37.2	53.5	CR / HR
2.00 mm	15.9	31.7	49.6	71.4	CR / HR
2.50 mm	19.8	39.7	62.0	89.2	CR / HR
3.00 mm	23.8	47.6	74.3	107	CR 2B / HR No.1
4.00 mm	31.7	63.4	99.1	143	HR No.1 / 2B
5.00 mm	39.7	79.3	124	178	HR No.1
6 – 30 mm	47.6 – 238	—	—	—	HR plate No.1

Widths 1 000 / 1 250 / 1 500 mm (2 000 for plate); lengths 2 000 / 2 500 / 3 000 / 6 000 mm; 430 density 7.70, 316 7.98.

STANDARDS

EN 10088-2 (stainless sheet, strip and plate) · EN 10028-7 (pressure purposes) · ASTM A240 / A240M · JIS G4304 / G4305 · EN 10259 / EN 10051 (tolerances) · EN 10088-4 (finishes 2B, 2R (BA), 2J (No.4), 2K, 2P)