Heavy Steel Plate

OMEGA STEEL CO.
Istanbul · Dilovası plant

Hot-rolled heavy plate from 25 to 200 mm in S235JR, S275JR, S355J2+N and S355K2+N (ASTM A36 / A572 Gr. 50 / A516 equivalents), 2 000–3 000 mm wide, up to 12 m long, flame-cut to size or to drawing, milled and drilled on request, ultrasonically tested to EN 10160, shipped by flat-rack, breakbulk or truck from Dilovası.

25 – 200 mm | S235JR · S355J2+N · K2+N | 2 000 – 3 000 mm wide | Flame-cut · milled · UT | Flat-rack · breakbulk

Heavy plate for the jobs where mass matters: machine and press bases, die and mould plates, foundation and column base plates, crane and mining components, shipyard blocks and counterweights — 25 to 200 mm thick in S235JR, S355J2+N and K2+N, 2 000–3 000 mm wide. Flame-cut to size on our 80 mm plasma and oxy-fuel tables (thicker by multi-torch), UT-tested, and shipped by flat-rack or breakbulk when the pieces exceed c

WEIGHT CHART

Thickness	kg/m²	2 000 × 6 000 (kg)	2 500 × 6 000 (kg)	2 500 × 12 000 (kg)	3 000 × 12 000 (kg)
25 mm	196	2 355	2 944	5 888	7 065
30 mm	236	2 826	3 533	7 065	8 478
40 mm	314	3 768	4 710	9 420	11 304
50 mm	393	4 710	5 888	11 775	14 130
60 mm	471	5 652	7 065	14 130	16 956
80 mm	628	7 536	9 420	18 840	22 608
100 mm	785	9 420	11 775	23 550	28 260
120 mm	942	11 304	14 130	28 260	—
150 mm	1 178	14 130	17 663	—	—
200 mm	1 570	18 840	23 550	—	—

Mill lengths up to 12 m (18 m on request); pieces over 25 t by breakbulk only.

GRADES FOR HEAVY PLATE

Grade	Yield (40–63 mm)	Delivery	Use
S235JR	215 MPa	As rolled	Counterweights, non-structural bases, slab
S275JR	255 MPa	As rolled	Bases, frames
S355J2+N	335 MPa	Normalized	Machine bases, press frames, structural base plates, cranes (standard)
S355K2+N	335 MPa	Normalized	Heavy welded structures, offshore, wind flanges
S355J2+N Z35	335 MPa	Normalized, Z-tested	Heavily welded T-joints, box columns
P265GH / P355GH	—	Normalized	Pressure vessels — see pressure vessel plate page
A36 / A572 Gr. 50	250 / 345 MPa	As rolled / N	US-spec projects

TOLERANCES (EN 10029)

Thickness	Class A (lower / upper)	Class B (lower / upper)
25 – 40 mm	−0.8 / +1.4	−0.3 / +1.9
40 – 80 mm	−1.0 / +1.8	−0.3 / +2.5
80 – 150 mm	−1.0 / +2.2	−0.3 / +2.9
150 – 250 mm	−1.2 / +2.4	−0.3 / +3.3

Flatness class N (S on request); cut edges ±2 mm by flame, ±1 mm by plasma.

STANDARDS

EN 10025-2 (S235JR, S275JR, S355J2/K2 +N) · EN 10029 (tolerances, class A–D) · EN 10160 (ultrasonic testing, S0–S3 / E0–E4) · EN 10164 (through-thickness Z15/Z25/Z35) · ASTM A36 / A572 / A516 / A6