

1.0038 · Hot-rolled structural steel plate S235JR to EN 10025-2 (old DIN St37-2, ASTM A36 near-equivalent), 3–100 mm thick, 1 500–2 500 mm wide and up to 12 m long, from stock in Dilovası, cut to size by laser (to 25 mm), plasma (to 80 mm) and oxy-fuel, shot-blasted and primed on request; the general-purpose plate for fabrication, machine bases, tanks and structures.

1.0038	S235JR · EN 10025-2	3 – 100 mm	1 500 – 2 500 mm wide	Laser · plasma · flame cut	A36 / ST37 equivalent
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MS plate, ST37 plate, A36 plate — the general-purpose structural plate is S235JR to EN 10025-2, and we hold it from 3 to 100 mm in 1 500, 2 000 and 2 500 mm widths. Cut to size or to DXF by laser, plasma and flame, bevelled for welding, shot-blasted and shop-primed; delivered with EN 10204 3.1 in container or breakbulk.

WEIGHT CHART AND STANDARD SIZES

Thickness	kg/m²	1 500 × 6 000 (kg)	2 000 × 6 000 (kg)	2 500 × 12 000 (kg)	Stock
3 mm	23.6	212	283	—	Sheet & plate
4 mm	31.4	283	377	—	Sheet & plate
5 mm	39.3	353	471	—	Sheet & plate
6 mm	47.1	424	565	1 413	Plate
8 mm	62.8	565	754	1 884	Plate
10 mm	78.5	707	942	2 355	Plate
12 mm	94.2	848	1 130	2 826	Plate
15 mm	118	1 060	1 413	3 533	Plate
20 mm	157	1 413	1 884	4 710	Plate
25 mm	196	1 766	2 355	5 888	Plate
30 mm	236	2 120	2 826	7 065	Plate
40 mm	314	2 826	3 768	9 420	Plate
50 mm	393	3 533	4 710	11 775	Plate / order
60–100 mm	471–785	—	—	—	Mill order

Widths 1 500 / 2 000 / 2 500 mm; lengths 6 000 and 12 000 mm; other sizes cut.

GRADE EQUIVALENTS: S235JR, ST37, A36, SS400

Standard	Grade	Yield min	Tensile	Note
EN 10025-2	S235JR	235 MPa	360–510	Stock grade; JR = 27 J at +20 °C
EN 10025-2	S235J2	235 MPa	360–510	27 J at –20 °C, on request
DIN 17100 (old)	St37-2	235 MPa	340–470	Superseded by S235JR
ASTM	A36	250 MPa	400–550	Dual-certified on many heats
ASTM	A283 Gr. C	205 MPa	380–515	Lower grade
JIS G3101	SS400	245 MPa	400–510	Common in Gulf specs
GOST 380	St3sp	245 MPa	370–480	CIS specs

TOLERANCES (EN 10029)

Nominal thickness	Lower	Upper
3 – 5 mm	–0.4	+0.8
5 – 8 mm	–0.4	+1.1
8 – 15 mm	–0.5	+1.2
15 – 25 mm	–0.6	+1.3
25 – 40 mm	–0.8	+1.4
40 – 80 mm	–1.0	+1.8
80 – 150 mm	–1.0	+2.2

Class B (fixed –0.3 mm lower), C (no minus) and D on request; flatness class N; surface class A1 per EN 10163.

STANDARDS

EN 10025-2 (S235JR / J0 / J2) · EN 10029 (tolerances for plate ≥ 3 mm) · EN 10163 (surface condition) · ASTM A36 / A283 Gr. C · JIS G3101 SS400 · GOST 380 St3sp

