

Hot Rolled Steel Coil & Sheet

Hot-rolled low-carbon and structural steel in coil, cut sheet and plate: S235JR, S275JR, S355JR/J2 (EN 10025-2), DD11–DD13 (EN 10111), ASTM A36 and A1011 equivalents, 1.5–20 mm thick and 1 000–2 000 mm wide, black (mill scale) or pickled and oiled (HRPO), from stock in Dilovası with cut-to-length, slitting, laser and plasma processing.

S235JR · S275JR · S355J2	1.5 – 20 mm	Black · HRPO	1 000 – 2 000 mm wide	EN 10204 3.1
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The base material of fabrication: hot-rolled coil and sheet in S235JR, S275JR and S355JR/J2, 1.5 to 20 mm, 1 000–2 000 mm wide, as black (mill-scale) or pickled-and-oiled (HRPO) surface. Cut to length, slit, laser- or plasma-cut on our own lines in Dilovası; coils 5–25 t; sheets to 6 m; exported by container with EN 10204 3.1.

HR BLACK VS HRPO VS COLD-ROLLED

	HR black (mill scale)	HRPO (pickled & oiled)	Cold-rolled DC01
Surface	Blue-black scale	Grey-metallic, light oil	Bright, smooth
Thickness	1.5–25 mm	1.5–6 mm	0.4–3 mm
Tolerance (2 mm)	±0.17 mm	±0.17 mm	±0.08 mm
Before painting / galvanizing	Blast or pickle on site	Ready	Ready
Laser cutting	Scale spatter, lower quality	Clean cut	Clean cut
Price index	1.00	1.04–1.08	1.12–1.20
Typical use	Structures, plate parts, heavy fabrication	Trailers, tanks, profiles, tube mills, pressing	Appliances, furniture, panels

GRADES AND EQUIVALENTS

EN	Yield (MPa)	Old DIN	ASTM	JIS	GOST	Use
S235JR	235	St37-2	A36 / A1011 SS33	SS400 / SPHC	St3sp	General structural, most stock
S275JR	275	St44-2	A1011 SS40	SS400	St4sp	Frames, sections
S355JR / J2	355	St52-3	A572 Gr. 50 / A1011 SS50	SM490	17G1S	Higher-strength structures, cranes, trailers
DD11	170–340	StW22	A1011 DS Type B	SPHD	08kp	Forming, pressing, deep drawing
DD13	170–310	StW24	A1011 DDS	SPHE	08Yu	Deep drawing

THICKNESS, WIDTH AND WEIGHT TABLE

Thickness	kg/m²	1 250 × 2 500 sheet (kg)	1 500 × 3 000 sheet (kg)	1 500 × 6 000 sheet (kg)	Form
1.5 mm	11.8	36.8	53.0	106	Coil, HRPO
2.0 mm	15.7	49.1	70.7	141	Coil, HRPO
2.5 mm	19.6	61.3	88.3	177	Coil, HRPO
3.0 mm	23.6	73.6	106	212	Coil / sheet
4.0 mm	31.4	98.1	141	283	Coil / sheet
5.0 mm	39.3	123	177	353	Coil / sheet
6.0 mm	47.1	147	212	424	Sheet / plate
8.0 mm	62.8	196	283	565	Plate
10 mm	78.5	245	353	707	Plate
12 mm	94.2	294	424	848	Plate
15 mm	118	368	530	1 060	Plate
20 mm	157	491	707	1 413	Plate

Widths 1 000, 1 250, 1 500, 2 000 mm; sheet lengths 2 000–6 000 mm cut to order; coils 5–25 t, ID 762 mm.

TOLERANCES (EN 10051)

Nominal thickness	Width ≤ 1 200	1 200–1 500	1 500–1 800	> 1 800
1.5–2.0 mm	±0.15	±0.17	±0.19	—
2.0–2.5 mm	±0.17	±0.19	±0.21	±0.23
2.5–3.0 mm	±0.17	±0.19	±0.21	±0.23
3.0–4.0 mm	±0.18	±0.20	±0.22	±0.24
4.0–5.0 mm	±0.20	±0.22	±0.24	±0.26
5.0–6.0 mm	±0.21	±0.23	±0.25	±0.27

Nominal thickness	Width ≤ 1 200	1 200–1 500	1 500–1 800	> 1 800
6.0–8.0 mm	±0.23	±0.25	±0.27	±0.29
8.0–10 mm	±0.25	±0.27	±0.29	±0.31
10–12.5 mm	±0.27	±0.29	±0.31	±0.33

Special class (S) at ~70% of these values on request; plate over 12 mm per EN 10029.

STANDARDS

EN 10025-2 (S235JR, S275JR, S355JR/J0/J2) · EN 10111 (DD11–DD14 forming) · EN 10051 (tolerances for hot-rolled strip and sheet) · ASTM A36 / A1011 CS Type B / SS Grade 33–50 · JIS G3101 SS400 / G3131 SPHC · GOST 380 St3sp