Shipbuilding Steel Plate

OMEGA STEEL CO.
Istanbul · Dilovası plant

Hull structural steel plate to the IACS unified requirements and class rules: normal-strength Grade A, B, D and E and high-strength AH32/AH36, DH36, EH36, 5–80 mm thick, 1 500–3 000 mm wide, with class certificates from Lloyd's Register, Bureau Veritas, DNV, ABS, RINA or Türk Loydu; cut, bevelled, shot-blasted and shop-primed in Dilovası for shipyards, repair yards, barge and pontoon builders and offshore fabricators.

Grade A · B · D · E | AH36 · DH36 · EH36 | 5 – 80 mm | LR · BV · DNV · ABS · RINA · TL | Blasted · primed

Turkey's shipyards on the Marmara build and repair ferries, tankers, tugs and yachts, so class-certified plate is stocked here: Grade A and AH36 in 6–25 mm from stock, B, D, E, DH36 and EH36 to order, each plate marked and certified by the classification society the yard works with. Cut to the nesting, bevelled, blasted to Sa 2½ and primed with a class-approved shop primer, and shipped by container, flat-rack or brea

SHIPBUILDING STEEL GRADES EXPLAINED

Grade	Yield min (MPa)	Tensile (MPa)	Impact (27 J normal / 34 J high)	Delivery	Use
A	235	400–520	+20 °C (t > 50 mm)	As rolled	Hull plating, decks, bulkheads (most stock)
B	235	400–520	0 °C	As rolled	Thicker hull plating
D	235	400–520	−20 °C	Normalized / TM	Cold regions, critical members
E	235	400–520	−40 °C	Normalized	Ice class, sheer strake
AH32	315	440–570	0 °C	As rolled / TM	High-strength decks
AH36	355	490–630	0 °C	As rolled / TM	High-strength hull, decks (stock)
DH36	355	490–630	−20 °C	Normalized / TM	Critical high-strength members
EH36	355	490–630	−40 °C	Normalized / TM	Ice class, offshore

Letters A/B/D/E = toughness temperature; H32/H36 = yield 315/355 MPa. Every plate carries the class stamp and heat number.

SIZES AND STOCK

Grade	Thickness	Width	Length	Availability
Grade A	5–50 mm	1 500 / 2 000 / 2 500	6 000 / 8 000 / 12 000	6–25 mm stock (BV / LR / TL)
Grade B / D	8–60 mm	2 000 / 2 500 / 3 000	6 000–12 000	Order 4–6 weeks
Grade E	10–80 mm	2 000–3 000	6 000–12 000	Order 6–8 weeks
AH36	6–50 mm	2 000 / 2 500	6 000–12 000	8–20 mm stock (BV / DNV)
DH36 / EH36	8–80 mm	2 000–3 000	6 000–12 000	Order 4–8 weeks

STANDARDS

IACS UR W11 (normal and higher strength hull structural steels) · Class rules: LR, BV, DNV, ABS, RINA, Türk Loydu · ASTM A131 / A131M · EN 10025-2 S235JR / S355J2 (equivalent chemistry, not class-certified) · EN 10029 tolerances

Updated 22 September 2026 · figures are nominal; the mill certificate governs