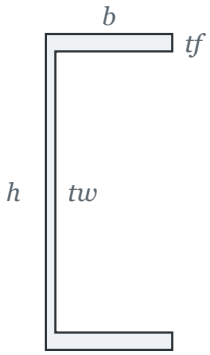
UPE Channels

OMEGA STEEL CO.
Istanbul · Dilovası plant

UPE is the parallel-flange European channel (DIN 1026-2, EN 10365): the same depths as UPN with wider, thinner, parallel flanges — lighter, easier to bolt, stiffer about the minor axis. It is the channel of modern Eurocode designs in Germany, the Netherlands, Scandinavia and increasingly the Gulf. We supply UPE 80–400 in S235JR and S355J2, 6 and 12 m, to order from Turkish and EU mills, with UPE 100–200 held in stock.

UPE 80–400 | Parallel flanges | S235JR · S355J2 | 6 and 12 m | DIN 1026-2 / EN 10365



UPE does for channels what IPE did for I-beams: parallel flanges, less steel, plain bolting. A UPE 200 weighs 22.8 kg/m against 25.3 for UPN 200 and carries the same bending moment — the saving pays for the slightly higher price per ton on any structure that is shipped or lifted.

UPE 200

UPE DIMENSIONS AND WEIGHT PER METRE

Designation	h (mm)	b (mm)	tw (mm)	tf (mm)	kg/m	kg per 12 m	Bars per ton (12 m)
UPE 80	80	50	4.0	7.0	7.90	95	11
UPE 100	100	55	4.5	7.5	9.82	118	8
UPE 120	120	60	5.0	8.0	12.1	145	7
UPE 140	140	65	5.0	9.0	14.5	174	6
UPE 160	160	70	5.5	9.5	17.0	204	5
UPE 180	180	75	5.5	10.5	19.7	236	4
UPE 200	200	80	6.0	11.0	22.8	274	4
UPE 220	220	85	6.5	12.0	26.6	319	3
UPE 240	240	90	7.0	12.5	30.2	362	3
UPE 270	270	95	7.5	13.5	35.2	422	2
UPE 300	300	100	9.5	15.0	44.4	533	2
UPE 330	330	105	11.0	16.0	53.2	638	2
UPE 360	360	110	12.0	17.0	61.2	734	1
UPE 400	400	115	13.5	18.0	72.2	866	1

Flanges parallel and of constant thickness. Tolerances EN 10279: depth ±2–3 mm, width ±2–3 mm, mass ±4–6 %.

GRADES AND STANDARDS

Grade	Yield (MPa)	Impact	Use
S235JR	235	27 J at +20 °C	the stock grade for channels, angles and flats
S275JR	275	27 J at +20 °C	to order
S355J2	355	27 J at −20 °C	heavy or cold-climate structures, to order
A36 / A572 Gr. 50	250 / 345	on order	ASTM projects

Certified to EN 10025-2, CE-marked under EN 10025-1; S235JR is the stocked grade — sections are mostly governed by stiffness and connection geometry, so the higher grades are ordered only where the design demands them.

STANDARDS

EN 10365:2017 / DIN 1026-2 — dimensions · EN 10279 — tolerances · EN 10025-2 — S235JR, S275JR, S355J2 · EN 10025-1 — CE marking