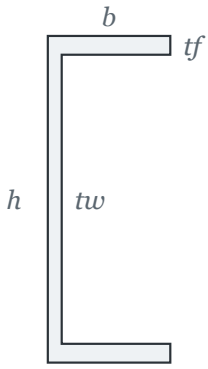
UPN Channels

OMEGA STEEL CO.
Istanbul · Dilovası plant

UPN is the European tapered-flange channel (DIN 1026-1, EN 10365): inner flange slope 8 %, thick web, the standard U-section of Turkish, Balkan, Middle-East and CIS construction, known locally as NPU or U-profil. We stock UPN 50–300 in S235JR (S355J2 to order) in 6 and 12 m from Kardemir and İçdaş, cut, drilled and galvanized in Dilovası.

UPN 50–400 | Tapered flange 8 % | S235JR stock | 6 and 12 m | DIN 1026 / EN 10365



The UPN is the section that frames everything that is not a beam: purlin cleats, bracing, ladder stringers, cable-tray supports, trailer sides and machine guards. Turkish mills roll it by the hundred thousand tons and we keep the full stock range from UPN 50 to 300 on the ground for same-week loading.

UPN 200

UPN 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)
UPN 50	50	38	5.0	7.0	5.59	67	15
UPN 65	65	42	5.5	7.5	7.09	85	12
UPN 80	80	45	6.0	8.0	8.64	104	10
UPN 100	100	50	6.0	8.5	10.6	127	8
UPN 120	120	55	7.0	9.0	13.4	161	6
UPN 140	140	60	7.0	10.0	16.0	192	5
UPN 160	160	65	7.5	10.5	18.8	226	4
UPN 180	180	70	8.0	11.0	22.0	264	4
UPN 200	200	75	8.5	11.5	25.3	304	3
UPN 220	220	80	9.0	12.5	29.4	353	3
UPN 240	240	85	9.5	13.0	33.2	398	3
UPN 260	260	90	10.0	14.0	37.9	455	2
UPN 280	280	95	10.0	15.0	41.8	502	2
UPN 300	300	100	10.0	16.0	46.2	554	2

First 14 of 18 rows — the full table is on the product page.

tf = mean flange thickness (8 % inner slope). Tolerances EN 10279: depth ±1.5–3 mm, width ±1.5–2.5 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 1026-1 — dimensions · EN 10279 — tolerances (channels) · EN 10025-2 — S235JR, S275JR, S355J2 · EN 10025-1 — CE marking