

IPE Beams

IPE beams are the European standard parallel-flange I-sections (EN 10365, formerly Euronorm 19-57): narrow flanges, deep web, the most efficient section per kilogram for bending. We stock IPE 80–400 in S275JR (S355J2 to order) in 6 and 12 m from Turkish mills (Kardemir, İçdaş, Kocaer, Yolbulan), cut to length, drilled and primed or galvanized in Dilovası, and ship 12 m bars by container flat-rack or breakbulk.

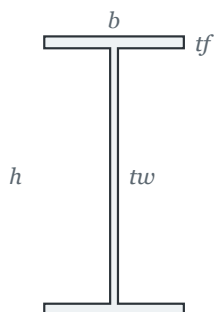
IPE 80–600

S275JR stock · S355J2

6 and 12 m

Cut, drilled, galvanized

EN 10365 / EN 10034



The IPE is the beam of every Eurocode-designed roof, floor and mezzanine: light, deep, easy to bolt because the flanges are parallel. Turkish mills roll the full range and our Dilovası yard holds the sizes a fabricator asks for every week — IPE 120 to 400 — with 12 m bars for purlin-free spans and 6 m for containers.

IPE 200

IPE 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)
IPE 80	80	46	3.8	5.2	6.0	72	14
IPE 100	100	55	4.1	5.7	8.1	97	10
IPE 120	120	64	4.4	6.3	10.4	125	8
IPE 140	140	73	4.7	6.9	12.9	155	6
IPE 160	160	82	5.0	7.4	15.8	190	5
IPE 180	180	91	5.3	8.0	18.8	226	4
IPE 200	200	100	5.6	8.5	22.4	269	4
IPE 220	220	110	5.9	9.2	26.2	314	3
IPE 240	240	120	6.2	9.8	30.7	368	3
IPE 270	270	135	6.6	10.2	36.1	433	2
IPE 300	300	150	7.1	10.7	42.2	506	2
IPE 330	330	160	7.5	11.5	49.1	589	2
IPE 360	360	170	8.0	12.7	57.1	685	1
IPE 400	400	180	8.6	13.5	66.3	796	1

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

h = depth, b = flange width, tw = web, tf = flange thickness. Tolerances EN 10034: depth ± 2 –3 mm, mass -4 % / $+6$ %. IPE-A (lighter) and IPE-O (heavier) variants on request.

GRADES AND STANDARDS

Grade	Yield (MPa)	Impact	Use
S235JR	235	27 J at +20 °C	general construction, indoor
S275JR	275	27 J at +20 °C	the stock grade for most beams
S355J2	355	27 J at –20 °C	heavy, dynamic or cold-climate structures
S355J0 / K2	355	0 / –20 °C (40 J)	to order
A572 Gr. 50 / A992	345	on order	ASTM-designed projects

Rolled sections are certified to EN 10025-2 (S grades) or ASTM A6/A572/A992; CE marking under EN 10025-1. S275JR is what we stock; S235JR and S355J2 are rolled to order or held in the common sizes.

STANDARDS

EN 10365:2017 — dimensions · EN 10034 — tolerances (I and H sections) · EN 10025-2 — S235JR, S275JR, S355J2 · EN 10025-1 — CE marking