STEEL BEAM STAHL TABLE

Quick reference: IPE (parallel flange), IPB / HEA-HEB (wide flange), INP / IPN (tapered flange)

1. IPE — parallel flange I sections

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	Mass (kg/m)
IPE 80	80	46	3.8	5.2	6.0
IPE 100	100	55	4.1	5.7	8.1
IPE 120	120	64	4.4	6.3	10.4
IPE 140	140	73	4.7	6.9	12.9
IPE 160	160	82	5.0	7.4	15.8
IPE 180	180	91	5.3	8.0	18.8
IPE 200	200	100	5.6	8.5	22.4
IPE 220	220	110	5.9	9.2	26.2
IPE 240	240	120	6.2	9.8	30.7
IPE 270	270	135	6.6	10.2	36.1
IPE 300	300	150	7.1	10.7	42.2

2. IPB — wide flange H sections (HEA series)

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	Mass (kg/m)
HEA 100	96	100	5.0	8.0	16.7
HEA 120	114	120	5.0	8.0	19.9
HEA 140	133	140	5.5	8.5	24.7
HEA 160	152	160	6.0	9.0	30.4
HEA 180	171	180	6.0	9.5	35.5
HEA 200	190	200	6.5	10.0	42.3

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	Mass (kg/m)
HEA 220	210	220	7.0	11.0	50.5
HEA 240	230	240	7.5	12.0	60.3
HEA 260	250	260	7.5	12.5	68.2
HEA 280	270	280	8.0	13.0	76.4
HEA 300	290	300	8.5	14.0	88.3

IPB — wide flange H sections (HEB series)

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	Mass (kg/m)
HEB 100	100	100	6.0	10.0	20.4
HEB 120	120	120	6.5	11.0	26.7
HEB 140	140	140	7.0	12.0	33.7
HEB 160	160	160	8.0	13.0	42.6
HEB 180	180	180	8.5	14.0	51.2
HEB 200	200	200	9.0	15.0	61.3
HEB 220	220	220	9.5	16.0	71.5
HEB 240	240	240	10.0	17.0	83.2
HEB 260	260	260	10.0	17.5	93.0
HEB 280	280	280	10.5	18.0	103.0
HEB 300	300	300	11.0	19.0	117.0

3. INP / IPN — tapered flange I sections

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	Mass (kg/m)
INP 80	80	42	3.9	5.9	5.94
INP 100	100	50	4.5	6.8	8.34

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	Mass (kg/m)
INP 120	120	58	5.1	7.7	11.1
INP 140	140	66	5.7	8.6	14.3
INP 160	160	74	6.3	9.5	17.9
INP 180	180	82	6.9	10.4	21.9
INP 200	200	90	7.5	11.3	26.2
INP 220	220	98	8.1	12.2	31.1
INP 240	240	106	8.7	13.1	36.2
INP 260	260	113	9.4	14.1	41.9
INP 280	280	119	10.1	15.2	47.9
INP 300	300	125	10.8	16.2	54.2

Notes: h = overall height; b = flange width; tw = web thickness; tf = flange thickness. Mass values are nominal reference values in kg per metre. IPB is commonly used as a general wide-flange designation; catalogues usually distinguish HEA (lighter) and HEB (heavier). INP is commonly referred to as IPN in European standards and catalogues. For design and purchasing, confirm the applicable standard, mill certificate, dimensional tolerances and actual supplier catalogue. This quick-reference PDF is not a substitute for the complete licensed standard.