

Beams

IPE Beam

Standard: EN 10365

Grade: S235JR

Name in the Iranian market: تیرآهن

Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
IPE 80	46	80	3.8	5.2	5	12000	6	72
IPE 100	55	100	4.1	5.7	7	12000	8.1	97.2
IPE 120	64	120	4.4	6.3	7	12000	10.4	124.8
IPE 140	73	140	4.7	6.9	7	12000	12.9	154.8
IPE 160	82	160	5	7.4	9	12000	15.8	189.6
IPE 180	91	180	5.3	8	9	12000	18.8	225.6
IPE 200	100	200	5.6	8.5	12	12000	22.4	268.8
IPE 220	110	220	5.9	9.2	12	12000	26.2	314.4
IPE 240	120	240	6.2	9.8	15	12000	30.7	368.4
IPE 270	135	270	6.6	10.2	15	12000	36.1	433.2
IPE 300	150	300	7.1	10.7	15	12000	42.2	506.4
IPE 330	160	330	7.5	11.5	18	12000	49.1	589.2
IPE 360	170	360	8	12.7	18	12000	57.1	685.2
IPE 400	180	400	8.6	13.5	21	12000	66.3	795.6
IPE 450	190	450	9.4	14.6	21	12000	77.6	931.2
IPE 500	200	500	10.2	16	21	12000	90.7	1088.4
IPE 550	210	550	11.1	17.2	24	12000	106	1272
IPE 600	220	600	12	19	24	12000	122	1464

IPN / INP Beam

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Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Toe radius (mm)	Flange slope (%)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
IPN 80	42	80	3.9	5.9	3.9	2.3	14	12000	5.9	70.8
IPN 100	50	100	4.5	6.8	4.5	2.7	14	12000	8.3	99.6
IPN 120	58	120	5.1	7.7	5.1	3.1	14	12000	11.1	133.2
IPN 140	66	140	5.7	8.6	5.7	3.4	14	12000	14.3	171.6

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IPN 160	74	160	6.3	9.5	6.3	3.8	14	12000	17.9	214.8
IPN 180	82	180	6.9	10.4	6.9	4.1	14	12000	21.9	262.8
IPN 200	90	200	7.5	11.3	7.5	4.5	14	12000	26.2	314.4
IPN 220	98	220	8.1	12.2	8.1	4.9	14	12000	31.1	373.2
IPN 240	106	240	8.7	13.1	8.7	5.2	14	12000	36.2	434.4
IPN 260	113	260	9.4	14.1	9.4	5.6	14	12000	41.9	502.8
IPN 280	119	280	10.1	15.2	10.1	6.1	14	12000	47.9	574.8
IPN 300	125	300	10.8	16.2	10.8	6.5	14	12000	54.2	650.4
IPN 320	131	320	11.5	17.3	11.5	6.9	14	12000	61	732
IPN 340	137	340	12.2	18.3	12.2	7.3	14	12000	68	816
IPN 360	143	360	13	19.5	13	7.8	14	12000	76.1	913.2
IPN 380	149	380	13.7	20.5	13.7	8.2	14	12000	84	1008
IPN 400	155	400	14.4	21.6	14.4	8.6	14	12000	92.4	1108.8
IPN 450	170	450	16.2	24.3	16.2	9.7	14	12000	115	1380
IPN 500	185	500	18	27	18	10.8	14	12000	141	1692
IPN 550	200	550	19	30	19	11.9	14	12000	166	1992
IPN 600	215	600	21.6	32.4	21.6	13	14	12000	199	2388

Nominal / theoretical weight — not the actual delivered weight or weighbridge settlement weight.

This document contains no prices. For prices and a supply proposal, send your purchase list at www.ahanassa.com/en/contact.