

European Standard beams in accordance with EN



Standard dimension			Reference							
Designation	Section area	Unit weight	Moment of inertia (cm ⁴)		Radius of gyration (cm)		Section modulus (cm ³)		Plastic section modulus (cm ³)	
	(cm ²)	(kg/m)	I _x	I _y	r _x	r _y	S _x	S _y	Z _x	Z _y
IPN 80	7.6	5.94	77.8	6.29	3.20	0.91	19.5	3.00	22.8	5.0
IPN 100	10.6	8.35	171.0	12.20	4.01	1.07	34.2	4.88	39.8	8.1
IPN 120	14.2	11.10	328.0	21.50	4.81	1.23	54.7	7.41	63.6	12.4
IPN 140	18.2	14.30	573.0	35.20	5.61	1.40	81.9	10.70	95.4	17.9
IPN 160	22.8	17.90	935.0	54.70	6.40	1.55	117.0	14.80	136.0	24.9
IPN 180	27.9	21.90	1450.0	81.30	7.20	1.71	161.0	19.80	187.0	33.2
IPN 200	33.4	26.20	2140.0	117.00	8.00	1.87	214.0	26.00	250.0	43.5
IPN 220	39.5	31.10	3060.0	162.00	8.80	2.02	278.0	33.10	324.0	55.7
IPN 240	46.1	36.20	4250.0	221.00	9.6	2.20	354.0	41.7	412.0	70.0
IPN 260	53.3	41.90	5740.0	288.00	10.4	2.32	442.0	51.0	514.0	85.9
IPN 280	61.0	47.90	7590.0	364.00	11.1	2.45	542.0	61.2	632.0	103.0
IPN 300	69.0	54.20	9800.0	451.00	11.9	2.56	653.0	72.2	762.0	121.0
IPN 320	77.7	61.00	12510.0	555.00	12.7	2.67	782.0	84.7	914.0	143.0
IPN 340	86.7	68.00	15700.0	674.00	13.5	2.80	923.0	98.4	1080.0	166.0
IPN 360	97.0	76.10	19610.0	818.00	14.2	2.90	1090.0	114.0	1276.0	194.0
IPN 380	107.0	84.00	24010.0	975.00	15.0	3.02	1260.0	131.0	1482.0	221.0
IPN 400	118.0	92.40	29210.0	1160.00	15.7	3.13	1460.0	149.0	1714.0	253.0
IPN 450	147.0	115.00	45850.0	1730.00	17.7	3.43	2040.0	203.0	2400.0	345.0
IPN 500	179.0	141.00	68740.0	2480.00	19.6	3.72	2750.0	268.0	3240.0	456.0
IPN 550	212.0	166.00	99180.0	3490.00	21.6	4.02	3610.0	349.0	4240.0	592.0
IPN 600	254.0	199.00	139000.0	4670.00	23.4	4.30	4630.0	434.0	5452.0	752.0

(The information given on these tables is for initial information only. Any use of these figures is at users own risk.)