

European I Beam with Parallel Flange in accordance with EN



Standard dimension				Reference							
Serial size (mm)	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
IPE80	IPE 80 A	6.4	5.0	64.4	6.85	3.18	1.04	19.0	2.98	19.0	4.7
	IPE 80 AA	6.3	4.9	64.1	6.85	3.19	1.04	18.9	2.98	18.9	4.7
	IPE 80	7.6	6.0	80.1	8.49	3.24	1.05	20.0	3.69	23.2	5.8
IPE100	IPE 100 A	8.8	6.9	141.0	13.1	4.01	1.22	28.8	4.77	33.0	7.5
	IPE 100 AA	8.6	6.7	136.0	12.6	3.98	1.21	27.9	4.57	31.9	7.2
	IPE 100	10.3	8.1	171.0	15.9	4.07	1.24	34.2	5.79	39.4	9.2
IPE120	IPE 120 A	11.0	8.7	257.0	22.4	4.83	1.42	43.8	7.00	49.9	11.0
	IPE 120 AA	10.7	8.4	244.0	21.1	4.79	1.41	41.7	6.59	47.6	10.4
	IPE 120	13.2	10.4	318.0	27.7	4.90	1.45	53.0	8.65	60.7	13.6
IPE140	IPE 140 A	13.4	10.5	435.0	36.4	5.70	1.65	63.3	10.00	71.6	15.5
	IPE 140 AA	12.8	10.1	407.0	33.8	5.64	1.63	59.7	9.27	67.6	14.5
	IPE 140	16.4	12.9	541.0	44.9	5.74	1.65	77.3	12.30	88.3	19.3
IPE160	IPE 160 A	39.2	12.7	689.0	54.4	6.53	1.83	82.6	13.30	99.1	20.7
	IPE 160 AA	45.9	12.7	646.0	51.6	6.47	1.83	87.8	12.60	93.3	19.6
	IPE 160	20.1	15.8	869.0	68.3	6.58	1.84	109.0	16.70	124.0	26.1
IPE180	IPE 180 A	15.4	19.6	1063.0	81.9	7.37	2.05	120.0	18.00	135.0	28.0
	IPE 180 AA	14.9	19.0	1020.0	78.1	7.32	2.03	116.0	17.20	131.0	26.7
	IPE 180	23.9	18.8	1317.0	101.0	7.42	2.05	146.0	22.20	166.0	34.6
	IPE 180 O	27.1	21.3	1505.0	117.0	7.45	2.08	165.0	25.50	189.0	39.9
IPE200	IPE 200 A	23.5	18.4	1591.0	117.0	8.23	2.23	162.0	23.40	182.0	36.5
	IPE 200 AA	22.9	18.0	1533.0	112.0	8.19	2.21	156.0	22.40	176.0	35.0
	IPE 200	28.5	22.4	1943.0	142.0	8.26	2.24	194.0	28.50	221.0	44.6
	IPE 200 O	32.0	25.1	2211.0	169.0	8.32	2.30	219.0	33.10	249.0	51.9
IPE240	IPE 240 A	33.3	26.2	3290.0	240.0	9.94	2.68	278.0	40.00	312.0	62.4
	IPE 240 AA	24.9	31.7	3154.0	231.0	9.97	2.70	267.0	38.60	298.0	60.0
	IPE 240	39.1	30.7	3892.0	284.0	9.97	2.69	324.0	47.30	367.0	73.9
	IPE 240 O	43.7	34.3	4369.0	329.0	10.00	2.74	361.0	53.90	410.0	84.4
IPE270	IPE 270 A	39.2	30.7	4917.0	358.0	11.20	3.02	368.0	53.00	413.0	82.3
	IPE 270	45.9	36.1	5790.0	420.0	11.20	3.02	429.0	62.20	484.0	97.0
	IPE 270 O	53.8	42.3	6947.0	514.0	11.40	3.09	507.0	75.50	575.0	118.0
IPE300	IPE 300 A	46.5	36.5	7173.0	519.0	12.40	3.34	483.0	69.20	542.0	107.0

	IPE 300	53.8	42.2	8356.0	604.0	12.50	3.35	557.0	80.50	628.0	125.0
	IPE 300 O	62.8	49.3	9994.0	746.0	12.60	3.45	658.0	98.10	744.0	153.0
IPE330	IPE 330 A	54.7	43.0	10230.0	685.0	13.70	3.54	626.0	85.60	702.0	133.0
	IPE 330	62.6	49.1	11770.0	788.0	13.70	3.55	713.0	98.50	804.0	154.0
	IPE 330 O	72.6	57.0	13910.0	960.0	13.80	3.64	833.0	119.00	943.0	185.0
IPE360	IPE 360 A	64.0	50.2	14520.0	944.0	15.10	3.84	812.0	111.00	907.0	172.0
	IPE 360	72.7	57.1	16270.0	1043.0	15.00	3.79	904.0	123.00	1019.0	191.0
	IPE 360 O	84.1	66.0	19050.0	1251.0	15.00	3.86	1047.0	145.00	1186.0	227.0
IPE400	IPE 400 A	73.1	57.4	20290.0	1171.0	16.70	4.00	1022.0	130.00	1144.0	202.0
	IPE 400	84.5	66.3	23130.0	1318.0	16.50	3.95	1156.0	146.00	1307.0	229.0
	IPE 400 O	96.4	75.7	26750.0	1564.0	16.70	4.03	1324.0	172.00	1502.0	269.0
	IPE 400 V	107	84.0	30140.0	1766.0	16.80	4.06	1477.0	194.00	1681.0	304.0
IPE500	IPE 500 A	101	79.4	42930.0	1939.0	20.60	4.38	1728.0	194.00	1946.0	302.0
	IPE 500	116	90.7	48200.0	2142.0	20.40	4.31	1928.0	214.00	2194.0	336.0
	IPE 500 O	137	107	57780.0	2622.0	20.60	4.38	2284.0	260.00	2613.0	409.0
	IPE 500 V	164	129	70720.0	3271.0	20.80	4.47	2752.0	321.00	3168.0	507.0
IPE600	IPE 600 A	137	108	82920.0	3116.0	24.60	4.77	2778.0	283.00	3141.0	442.0
	IPE 600	156	122	92080.0	3387.0	24.30	4.66	3069.0	308.00	3512.0	486.0
	IPE 600 O	197	154	118300.0	4521.0	24.50	4.79	3879.0	404.00	4471.0	640.0
	IPE 600 V	234	184	141600.0	5570.0	24.60	4.88	4582.0	489.00	5324.0	780.0
IPE750	IPE 750 x 137	175	137	159900.0	5166.0	30.30	5.44	2778.0	393.00	4865.0	614.0
	IPE 750 x 147	188	147	166100.0	5289.0	29.80	5.31	3069.0	399.00	5110.0	631.0
	IPE 750 x 173	221	173	205800.0	6873.0	30.50	5.57	3879.0	515.00	6218.0	810.0
	IPE 750 x 196	251	196	240300.0	8175.0	31.00	5.71	4582.0	610.00	7174.0	959.0

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