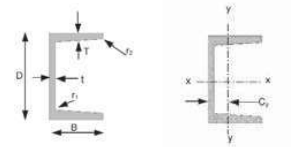


Channels



Tapered Flange

Designation Size	Mass Per Metre	Thickness		Root Radius	Toe Radius	Area of Section	Centre of Gravity	Moment of Inertia		Radius of Gyration		Elastic Modulus		Plastic Modulus	
		t	T					I _x	I _y	r _x	r _y	Z _x	Z _y	S _x	S _y
DxBxt		mm	mm	mm	mm	cm ²	mm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ³	cm ³
75 x 40 x 5	6.9	5.0	7.0	8	4	8.82	12.7	75.9	12.4	2.93	1.19	20.2	4.5	23.6	8.9
100 x 50 x 5	9.4	5.0	7.5	8	4	11.92	15.5	189	26.9	3.98	1.50	37.8	7.8	43.5	15.3
125 x 65 x 6	13.4	6.0	8.0	8	4	17.11	19.4	425	65.5	4.99	1.96	68.0	14.4	78.3	28.5
150 x 75 x 6.5	18.6	6.5	10.0	10	5	23.71	23.1	864	122.0	6.04	2.27	115.0	23.6	131.8	46.1
150 x 75 x 9	24.0	9.0	12.5	15	7.5	30.59	23.1	160	151.0	5.87	2.22	141.0	29.1	163.2	57.5
180 x 75 x 7	21.4	7.0	10.5	11	5.5	27.20	21.5	1380	137.0	7.13	2.24	154.0	25.5	176.8	51.6
180 x 90 x 7.5	27.1	7.5	12.5	13	6.5	34.57	28.5	1840	258.0	7.29	2.73	204.0	42.0	232.3	80.9
200 x 80 x 7.5	24.6	7.5	11.0	12	6	31.33	22.4	1950	177.0	7.89	2.38	195.0	30.8	224.6	62.8
200 x 90 x 8	30.3	8.0	13.5	4	7	38.65	27.7	2490	286.0	8.03	2.72	249.0	45.9	285.0	89.7
230 x 80 x 8	28.4	8.0	12.0	13	6.5	36.12	21.5	2900	200.0	8.96	2.35	252.0	34.2	292.7	70.8
230 x 90 x 8.5	33.1	8.5	13.5	15	7.5	42.14	25.8	3490	303.0	9.10	2.68	304.0	47.3	348.9	95.6
250 x 80 x 8	30.2	8.0	12.5	14	7	38.51	21.1	3630	210.0	9.71	2.34	291.0	35.7	337.1	74.8
250 x 90 x 9	34.6	9.0	13.0	14	7	44.07	24.2	4180	306.0	9.74	2.64	335.0	46.5	388.2	97.3
250 x 90 x 11	40.2	11.0	14.5	17	8.5	51.2	23.9	4690	342.0	9.57	2.58	375.0	51.7	439.4	109.3
280 x 100 x 9	38.8	9.0	13.0	14	7	49.37	26.4	5930	428.0	11.00	2.95	423.0	58.2	489.8	121.6
280 x 100 x 12	48.2	11.5	16.0	18	9	61.37	26.8	7150	515.0	10.80	2.90	510.0	70.4	596.2	147.7
300 x 90 x 9	38.1	9.0	12.0	14	7	48.6	22.3	6440	325.0	11.50	2.59	429.0	48.0	480.0	98.8
300 x 90 x 10	43.8	10.0	15.5	19	9.5	55.74	23.3	7400	373.0	11.50	2.59	494.0	56.0	574.9	118.9
380 x 100 x 11	54.5	10.5	16.0	18	9	69.4	24.1	14500	557.0	14.50	2.83	762.0	73.3	895.8	159.9
380 x 100 x 13	62.0	13.0	16.5	18	9	79.0	22.9	15600	584.0	14.10	2.72	822.0	75.8	986.2	169.7



Parallel Flange

Designation		Thickness		Root Radius	Area of Section	Centre of Gravity	Moment of Inertia		Radius of Gyration		Elastic Modulus		Plastic Modulus	
Size	Mass Per Metre	Web	Flange				I _x	I _y	r _x	r _y	Z _x	Z _y	S _x	S _y
DxB		t	T	mm	cm ²	mm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ³	cm ³
100x50	10.2	5.0	8.5	9	13.0	17.3	208	32.3	4.00	1.58	41.5	9.89	48.9	17.5
125x65	14.8	5.5	9.5	12	18.8	22.5	483	80.0	5.07	2.06	77.3	18.8	89.9	33.2
150x75	17.9	5.5	10.0	12	22.8	25.8	861	131	6.15	2.40	115	26.6	132	47.2
150x90	23.9	6.5	12.0	12	30.4	33.0	1162	253	6.18	2.89	155	44.4	179	76.9
180x75	20.3	6.0	10.5	12	25.9	24.1	1370	146	7.27	2.38	152	28.8	176	51.8
180x90	26.1	6.5	12.5	12	33.2	31.7	1817	277	7.40	2.89	202	47.4	232	83.5
200x75	23.4	6.0	12.5	12	29.9	24.8	1963	170	8.11	2.39	196	33.8	227	60.6
200x90	29.7	7.0	14.0	12	37.9	31.2	2523	314	8.16	2.89	252	53.4	291	94.5
230x75	25.7	6.5	12.5	12	32.7	23.0	2748	181	9.17	2.35	239	34.8	278	63.2
230x90	32.2	7.5	14.0	12	41.0	29.2	3518	334	9.27	2.86	306	55.0	355	98.9
250x90	35.5	8.0	15.0	12	45.2	28.6	4510	364	9.99	2.84	361	59.3	421	107
260x75	27.6	7.0	12.0	12	35.1	21.0	3619	185	10.1	2.30	278	34.4	328	62.0
260x90	34.8	8.0	14.0	12	44.4	27.4	4728	353	10.3	2.82	364	56.3	425	102
300x90	41.4	9.0	15.5	12	52.7	26.0	7218	404	11.7	2.77	481	63.1	568	114
300x100	45.5	9.0	16.5	15	58.0	30.5	8229	568	11.9	3.13	549	81.7	641	148
380x100	54.0	9.5	17.5	15	68.7	27.9	15030	643	14.8	3.06	791	89.2	933	161
430x100	64.4	11.0	19.0	15	82.1	26.2	21940	722	16.3	2.97	1020	97.9	1222	176