



Parallel flange channels in accordance with AS/NZS 3679.1

Standard dimension				Section dimensions					Reference									
Serial size (mm)	Designation	Section area (cm ²)	Unit weight (kg/m)	Depth of section (d) (mm)	Flange		Web thickness (tw) (mm)	Root radius (r) (mm)	Distance of Cy (cm)		Moment of inertia (cm ⁴)		Radius of gyration (cm)		Section modulus (cm ³)		Plastic section modulus (cm ³)	
					width (b) (mm)	thickness (t) (mm)			Lx	Iy	rx	ry	Sx	Sy	Zx	Zy		
380 PFC	380 x 100 x 55.2	70.3	55.2	380.0	100.0	17.5	10.0	14.0	2.75	15200	648	14.7	3.04	798	89.4	946	161	
300 PFC	300 x 90 x 40.1	51.1	40.1	300.0	90.0	16.0	8.0	14.0	2.72	7240	404	11.9	2.81	483	64.4	564	117	
250 PFC	250 x 90 x 35.5	45.2	35.5	250.0	90.0	15.0	8.0	12.0	2.86	4510	364	9.99	2.84	361	59.3	421	107	
230 PFC	230 x 75 x 25.1	32.0	25.1	230.0	75.0	12.0	6.5	12.0	2.26	2677	176	9.14	2.35	233	46.9	271	61	
200 PFC	200 x 75 x 22.9	29.2	22.9	200.0	75.0	12.0	6.0	12.0	2.44	1910	165	8.09	2.38	191	32.7	221	58.9	
180 PFC	180 x 75 x 20.9	26.6	20.9	180.0	75.0	11.0	6.0	12.0	2.45	1410	151	7.29	2.38	157	29.9	182	53.8	
150 PFC	150 x 75 x 17.7	22.5	17.7	150.0	75.0	9.5	6.0	10.0	2.49	834	129	6.08	2.39	111	25.7	129	46.0	



Tapered flange channels in accordance with JIS G 3192

Standard dimension						Reference							
Nominal size (mm)	Section dimensions			Section area (cm ²)	Unit weight (kg/m)	Distance of Cy (cm)	Moment of inertia (cm ⁴)		Radius of gyration (cm)		Section modulus (cm ³)		
	H x B x t1 x t2	R ₁	R ₂				Ix	Iy	rx	ry	Sx	Sy	
	(mm)												
150x75	150 x 75 x 6.5 x 10	10	5	30.59	18.6	2.28	861	117	6.03	2.22	115	22.4	
180x75	180 x 75 x 7 x 10.5	11	5.5	27.2	21.4	2.13	1380	131	7.12	2.19	153	24.3	
200x80	200 x 80 x 7.5 x 11	12	6	31.3	24.6	2.21	1950	168	7.88	2.32	195	29.1	
200x90	200 x 90 x 8 x 13.5	14	7	38.7	30.3	2.74	2490	277	8.02	2.68	249	44.2	
250x90	250 x 90 x 9 x 13	14	7	44.1	34.6	2.40	4180	294	9.74	2.58	334	44.5	
	250 x 90 x 11 x 14.5	17	8.5	51.2	40.2	2.40	4680	329	9.56	2.54	374	49.9	
300x90	300 x 90 x 9 x 13	14	7	48.6	38.1	2.22	6440	309	11.5	2.52	429	45.7	
	300 x 90 x 10 x 15.5	19	9.5	55.7	43.8	2.34	7410	360	11.5	2.54	494	54.1	
	300 x 90 x 12 x 16	19	9.5	61.9	48.6	2.28	7870	379	11.3	2.48	525	56.4	
380x100	380 x 100 x 10.5 x 16	18	9	69.4	54.5	2.41	14500	535	14.5	2.78	763	70.5	
	380 x 100 x 13 x 16.5	18	9	79.0	62.0	2.33	15600	565	14.1	2.67	823	73.6	
	380 x 100 x 13 x 20	24	12	85.7	67.3	2.54	17600	655	14.3	2.76	926	87.8	



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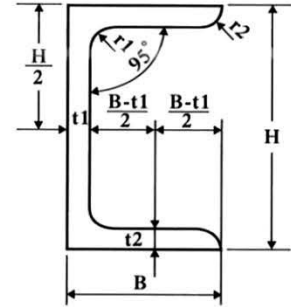
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Steel Channel



No.	Standard Dimension (mm)					Section Area (cm ²)	Unit Weight (kg/m)
	H x B	t1	t2	R1	R2		
1	75 x 40	5	7	8	4	8.82	6.92
2	100 x 50	5	7.5	8	4	11.92	9.36
3	125 x 65	6	8	8	4	17.11	13.4
4	150 x 75	6.5	10	10	5	23.71	18.6
5	150 x 75	9	12.5	15	7.5	30.59	24
6	180 x 75	7	10.5	11	5.5	27.20	21.4
7	200 x 80	7.5	11	12	6	31.30	24.6
8	200 x 90	8	13.5	14	7	38.70	30.3
9	250 x 90	9	13	14	7	44.10	34.6
10	250 x 90	11	14.5	17	8.5	51.20	40.2
11	300 x 90	9	13	14	7	48.60	38.1
12	300 x 90	10	15.5	19	9.5	55.70	43.8
13	300 x 90	12	16	19	9.5	61.90	48.6
14	380 x 100	10.5	16	18	9	69.40	54.5
15	380 x 100	13	16.5	18	9	79.00	62
16	380 x 100	13	20	24	12	85.70	67.3



Parallel flange channels in accordance with BS 4

Standard dimension				Section dimensions					Reference									
Serial size (mm)	Designation	Section area (cm ²)	Unit weight (kg/m)	Depth h (mm)	Width b (mm)	Web s (mm)	Flange t (mm)	Root radius r (mm)	Distance of Cy (cm)		Moment of inertia (cm ⁴)		Radius of gyration (cm)		Section modulus (cm ³)		Plastic section modulus (cm ³)	
PFC 380	380 x 100 x 54	68.7	54.0	380	100	9.5	17.5	15	2.79	15030	643	14.8	3.06	791	89.2	933	161	
PFC 300	300 x 90 x 41	52.7	41.4	300	90	9.0	15.5	12	2.60	7218	404	11.7	2.77	481	63.1	568	114	
PFC 230	230 x 75 x 26	32.7	25.7	230	75	6.5	12.5	12	2.30	2748	181	9.2	2.35	239	34.8	278	63	
PFC 200	200 x 90 x 30	37.9	29.7	200	90	7.0	14.0	12	3.12	2523	314	8.16	2.88	252	53.4	291	94.5	
PFC 200	200 x 75 x 23	29.9	23.4	200	75	6.0	12.5	12	2.48	1963	170	8.11	2.39	196	33.8	227	60.6	
PFC 180	180 x 75 x 20	25.9	20.3	180	75	6.0	10.5	12	2.41	1370	146	7.27	2.38	152	28.8	176	51.8	
PFC 150	150 x 75 x 18	22.8	17.9	150	75	5.5	10.0	12	2.58	861	131	6.15	2.40	115	26.6	132	47.2	