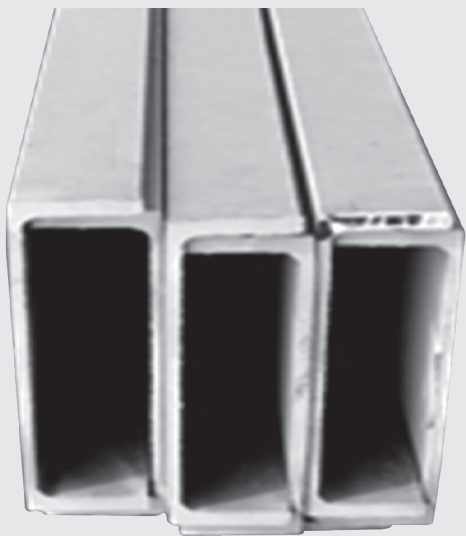
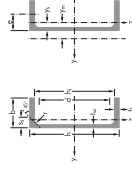


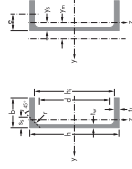
**PARALLEL FLANGE  
CHANNELS (PFC)**



**PARALLEL FLANGE CHANNELS (PFC)  
DIMENSIONS: BS 4-1: 1993  
TOLERANCES: EN 10279: 2000**



Designation	Mass per metre kg/mtr	Depth of Section h mm	Width of Section b mm	Thickness		Distance of Cy cm	Radius of Root r1 mm	Depth between Fillets d mm		Ratios for local Buckling		Second Moment of Area	
				Web s mm	Flange t mm			Flange b/t	Web d/s	Axis x-x cm <sup>4</sup>	Axis y-y cm <sup>4</sup>	Axis x-x cm <sup>4</sup>	Axis y-y cm <sup>4</sup>
100 x 50 x 10	10.2	100	50	5.0	8.5	1.73	9	65	5.88	13.0	13.0	13.0	32.3
125 x 65 x 15	14.8	125	65	5.5	9.5	2.25	12	82	6.84	14.9	14.9	14.9	80.0
150 x 75 x 18	17.9	150	75	5.5	10.0	2.58	12	106	7.50	19.3	19.3	19.3	131
150 x 90 x 24	23.9	150	90	6.5	12.0	3.30	12	102	7.50	15.7	15.7	15.7	253
180 x 75 x 20	20.3	180	75	6.0	10.5	2.41	12	135	7.14	22.5	22.5	22.5	146
180 x 90 x 26	26.1	180	90	6.5	12.5	3.17	12	131	7.20	20.2	20.2	20.2	277
200 x 75 x 23	23.4	200	75	6.0	12.5	2.48	12	151	6.00	25.2	25.2	25.2	170
200 x 90 x 30	29.7	200	90	7.0	14.0	3.12	12	148	6.43	21.1	21.1	21.1	314
230 x 75 x 26	25.7	230	75	6.5	12.5	2.30	12	181	6.00	27.8	27.8	27.8	181
230 x 90 x 32	32.2	230	90	7.5	14.0	2.92	12	178	6.43	23.7	23.7	23.7	334
260 x 75 x 28	27.6	260	75	7.0	12.0	2.10	12	212	6.25	30.3	30.3	30.3	185
260 x 90 x 35	34.8	260	90	8.0	14.0	2.74	12	208	6.43	26.0	26.0	26.0	353
300x 90 x 41	41.4	300	90	9.0	15.5	2.60	12	245	5.81	27.2	27.2	27.2	404
300 x 100 x 46	45.5	300	100	9.0	16.5	3.05	15	237	6.06	26.3	26.3	26.3	568
380 x 100 x 54	54.0	380	100	9.5	17.5	2.79	15	315	5.71	33.2	33.2	33.2	643
430x 100 x 64	64.4	430	100	11.0	19.0	2.62	15	362	5.26	32.9	32.9	32.9	722



**PARALLEL FLANGE CHANNELS (PFC)  
DIMENSIONS: BS 4-1: 1993  
TOLERANCES: EN 10279: 2000**

Designation	Radius of Gyration			Elastic Modulus			Plastic Modulus			Buckling Parameter u	Torsional Index x	Ratios for local Buckling			Second Moment of Area		
	Axis x-x cm	Axis y-y cm	Axis y-y cm	Axis x-x cm <sup>3</sup>	Axis y-y cm <sup>3</sup>	Axis y-y cm <sup>3</sup>	Axis x-x mm <sup>3</sup>	Axis y-y cm <sup>3</sup>	Axis y-y cm <sup>3</sup>			Flange b/t	Web d/s	Axis x-x cm <sup>4</sup>	Axis y-y cm <sup>4</sup>	Axis x-x cm <sup>4</sup>	Axis y-y cm <sup>4</sup>
	100 x 50x10	4.00	1.58	2.06	41.5	9.89	48.9	175	0.942	10.0	0.000491	2.53	13.0	10.2	13.0	10.2	
125x 65 x15	5.07	2.06	2.73	18.8	89.9	33.2	0.946	11.1	0.00194	4.72	18.8	14.8	14.8	14.8	14.8		
150x 75 x 18	6.15	2.40	3.15	115	26.6	132	47.2	0.946	13.1	0.00467	6.10	22.8	17.9	22.8	17.9		
150x 90 x 24	6.18	2.89	3.89	155	44.4	179	76.9	0.936	10.8	0.00890	11.8	30.4	23.9	30.4	23.9		
180x 75x20	7.27	2.38	3.18	152	28.8	176	51.8	0.946	15.3	0.00754	7.34	25.9	20.3	25.9	20.3		
180 x 90x26	7.40	2.89	3.89	202	47.4	232	83.5	0.949	12.8	0.0141	13.3	33.2	26.1	33.2	26.1		
200 x 90x 30	8.16	2.88	3.88	252	53.4	291	94.5	0.954	12.9	0.0107	18.3	37.9	29.7	37.9	29.7		
200 x 75x23	8.11	2.39	3.19	196	33.8	227	60.6	0.956	14.8	0.0197	11.1	29.9	23.4	29.9	23.4		
230 x 75x26	9.17	2.35	3.15	239	34.8	278	63.2	0.947	17.3	0.0153	11.8	32.7	25.7	32.7	25.7		
230 x 90 x32	9.27	2.86	3.86	306	55.0	355	98.9	0.950	15.1	0.0279	19.3	41.0	32.2	41.0	32.2		
260 x 75x28	10.1	2.30	3.10	278	34.4	328	62.0	0.932	20.5	0.0203	11.7	35.1	27.6	35.1	27.6		
260 x 90 x35	10.3	2.82	3.82	364	56.3	425	102	0.942	17.2	0.0379	20.6	44.4	34.8	44.4	34.8		
300x 90 x 41	11.7	2.77	3.77	481	63.1	568	114	0.934	18.4	0.0581	28.8	52.7	41.4	52.7	41.4		
300x 100 x 46	11.9	3.13	4.13	549	81.7	641	148	0.944	17.0	0.0813	36.8	58.0	45.5	58.0	45.5		
380 x 100x54	14.8	3.06	4.06	791	89.2	933	161	0.932	21.2	0.150	45.7	68.7	54.0	68.7	54.0		
430 x 100 x 64	16.3	2.97	3.97	1020	97.9	1222	176	0.917	22.3	0.219	63.0	82.1	64.4	82.1	64.4		