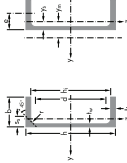


PARALLEL FLANGE CHANNELS (PFC)

DIMENSIONS: BS 4-1: 1993

TOLERANCES: EN 10279: 2000

Designation	Mass per metre kg/mtr	Depth of Section h		Width of Section h	Thickness		Distance C _y cm	Radius Root r ₁ mm	Depth between Fillets d		Ratios for local Buckling		Second Moment of Area	
		mm	mm		Web s mm	Flange t mm			mm	mm	Flange b/t	Web d/s	Axis x-x cm ⁴	Axis y-y cm ⁴
430x 100x64	64.4	430	100	100	11.0	19.0	2.62	15	362	5.26	32.9	32.9	722	
380 x 100 x 54	54.0	380	100	100	9.5	17.5	2.79	15	315	5.71	33.2	33.2	643	
300 x 100 x 46	45.5	300	100	100	9.0	16.5	3.05	15	237	6.06	26.3	26.3	568	
300x 90x41	41.4	300	90	90	9.0	15.5	2.60	12	245	5.81	27.2	27.2	404	
260 x 90 x 35	34.8	260	90	80	8.0	14.0	2.74	12	208	6.43	26.0	26.0	353	
260 x 75 x 28	27.6	260	75	70	7.0	12.0	2.10	12	212	6.25	30.3	30.3	185	
230 x 90x32	32.2	230	90	75	7.5	14.0	2.92	12	178	6.43	23.7	23.7	334	
230 x 75 x 26	25.7	230	75	75	6.5	12.5	2.30	12	181	6.00	27.8	27.8	181	
200 x 90x 30	29.7	200	90	70	7.0	14.0	3.12	12	148	6.43	21.1	21.1	314	
200 x 75x 23	23.4	200	75	60	6.0	12.5	2.48	12	151	6.00	25.2	25.2	170	
180x 90 x 26	26.1	180	90	65	6.5	12.5	3.17	12	131	7.20	20.2	20.2	277	
180 x 75 x 20	20.3	180	75	60	6.0	10.5	2.41	12	135	7.14	22.5	22.5	146	
150 x 90 x 24	23.9	150	90	65	6.5	12.0	3.30	12	102	7.50	15.7	15.7	253	
150 x 75 x 18	17.9	150	75	55	5.5	10.0	2.58	12	106	7.50	19.3	19.3	131	
125 x 65 x 15	14.8	125	65	55	5.5	9.5	2.25	12	82	6.84	14.9	14.9	80.0	
100 x 50 x 10	10.2	100	50	50	5.0	8.5	1.73	9	65	5.88	13.0	13.0	32.3	



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 x-x cm ⁴	Axis y-y cm ⁴	Axis x-x mm ³	Axis y-y mm ³			Flange b/t	Web d/s	Axis x-x cm ⁴	Axis y-y cm ⁴
430x100x64	16.3	2.97	1020	97.9	1222	176	0.917	223	0.219	63.0	82.1	64.4
380x100x54	14.8	3.06	791	89.2	933	161	0.932	21.2	0.150	45.7	68.7	54.0
300x100x46	11.9	3.13	549	81.7	641	148	0.944	17.0	0.0813	36.8	58.0	45.5
300x90x41	11.7	2.77	481	63.1	568	114	0.934	18.4	0.0581	28.8	52.7	41.4
260x90x35	10.3	2.82	364	56.3	425	102	0.942	17.2	0.0379	20.6	44.4	34.8
260x75x28	10.1	2.30	278	34.4	328	62.0	0.932	20.5	0.0203	11.7	35.1	27.6
230x90x32	9.27	2.86	306	55.0	355	98.9	0.950	15.1	0.0279	19.3	41.0	32.2
230x75x26	9.17	2.35	239	34.8	278	63.2	0.947	17.3	0.0153	11.8	32.7	25.7
200x90x30	8.16	2.88	252	53.4	291	94.5	0.954	12.9	0.0197	18.3	37.9	29.7
200x75x23	8.11	2.39	196	33.8	227	60.6	0.956	14.8	0.0107	11.1	29.9	23.4
180x90x26	7.40	2.89	202	47.4	232	83.5	0.949	12.8	0.0141	13.3	33.2	26.1
180x75x20	7.27	2.38	152	28.8	176	51.8	0.946	15.3	0.00754	7.34	25.9	20.3
150x90x24	6.18	2.89	155	44.4	179	76.9	0.936	10.8	0.00890	11.8	30.4	23.9
150x75x18	6.15	2.40	115	26.6	132	47.2	0.946	13.1	0.00467	6.10	22.8	17.9
125x65x15	5.07	2.06	773	18.8	89.9	33.2	0.942	11.1	0.00194	4.72	18.8	14.8
100x50x10	4.00	1.58	41.5	9.89	48.9	17.5	0.942	10.0	0.000491	2.53	13.0	10.2

