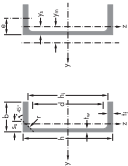


PARALLEL FLANGE CHANNELS (PFC)

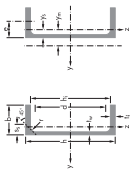
DIMENSIONS: BS 4-1: 1993

TOLERANCES: EN 10279: 2000



Designation	Mass per metre kg/mtr	Depth of Section h mm	Width of Section h mm	Thickness		Distance of C _y cm	Radius		Depth between Fillets d mm	Ratios for local Buckling		Second Moment of Area	
				Web s mm	Flange t mm		Root r ₁ mm	Flange b/t		Web d/s	Axis x-x cm ⁴	Axis y-y cm ⁴	
430x 100x64	64.4	430	100	11.0	19.0	2.62	15	362	5.26	32.9	32.9	772	
380 x 100 x 54	54.0	380	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	9.0	16.5	3.05	15	237	6.06	26.3	26.3	568	
300x 90 x41	41.4	300	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	8.0	14.0	2.74	12	208	6.43	26.0	26.0	353	
260 x 75 x 28	27.6	260	75	7.0	12.0	2.10	12	212	6.25	30.3	30.3	185	
230 x 90x32	32.2	230	90	7.5	14.0	2.92	12	178	6.43	23.7	23.7	334	
230 x 75 x 26	25.7	230	75	6.5	12.5	2.30	12	181	6.00	27.8	27.8	181	
200 x 90x 30	29.7	200	90	7.0	14.0	3.12	12	148	6.43	21.1	21.1	314	
200 x 75x 23	23.4	200	75	6.0	12.5	2.48	12	151	6.00	25.2	25.2	170	
180x 90 x 26	26.1	180	90	6.5	12.5	3.17	12	131	7.20	20.2	20.2	277	
180 x 75 x20	20.3	180	75	6.0	10.5	2.41	12	135	7.14	22.5	22.5	146	
150 x 90 x24	23.9	150	90	6.5	12.0	3.30	12	102	7.50	15.7	15.7	253	
150 x 75 x 18	17.9	150	75	5.5	10.0	2.58	12	106	7.50	19.3	19.3	131	
125 x 65 x 15	14.8	125	65	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	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
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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 ³	Axis y-y cm ³	Axis x-x mm ³	Axis y-y cm ³			Flange b/t	Web d/s	Axis x-x cm ⁴	Axis y-y cm ⁴
430 x 100 x 64	16.3	2.97	1020	97.9	1222	176	0.917	223	0.219	63.0	82.1	64.4
380 x 100x54	14.8	3.06	791	89.2	933	161	0.932	21.2	0.150	45.7	68.7	54.0
300x 100 x 46	11.9	3.13	549	81.7	641	148	0.944	17.0	0.0813	36.8	58.0	45.5
300x 90 x 41	11.7	2.77	481	63.1	568	114	0.934	18.4	0.0581	28.8	52.7	41.4
260 x90 x35	10.3	2.82	364	56.3	425	102	0.942	17.2	0.0379	20.6	44.4	34.8
260 x75x28	10.1	2.30	278	34.4	328	62.0	0.932	20.5	0.0203	11.7	35.1	27.6
230 x90 x32	9.27	2.86	306	55.0	355	98.9	0.950	15.1	0.0279	19.3	41.0	32.2
230 x75x26	9.17	2.35	239	34.8	278	63.2	0.947	173	0.0153	11.8	32.7	25.7
200 x 90x 30	8.16	2.88	252	53.4	291	94.5	0.954	12.9	0.0197	183	37.9	29.7
200 x75x23	8.11	2.39	196	33.8	227	60.6	0.956	14.8	0.0107	11.1	29.9	23.4
180 x 90x26	7.40	2.89	202	47.4	232	835	0.949	12.8	0.0141	13.3	33.2	26.1
180x 75x20	7.27	2.38	152	28.8	176	51.8	0.946	15.3	0.00754	7.34	25.9	20.3
150x 90x24	6.18	2.89	155	44.4	179	76.9	0.936	10.8	0.00890	11.8	30.4	23.9
150x 75 x 18	6.15	2.40	115	26.6	132	47.2	0.946	13.1	0.00467	6.10	22.8	17.9
125x 65 x15	5.07	2.06	773	18.8	89.9	33.2	0.942	11.1	0.00194	4.72	18.8	14.8
100 x 50x10	4.00	1.58	41.5	9.89	48.9	175	0.942	10.0	0.000491	2.53	13.0	10.2