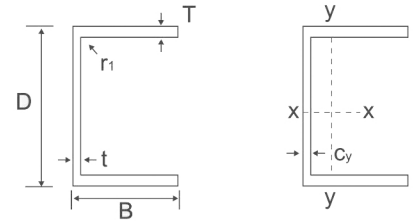


Parallel Flange Channels



Designation		Thickness		Roct	Depth	Area Of	Centre	Ratios For		Second Moment	
Size	Mass	Web	Flange	Radius	Between	Section	Of	Local		Of Area	
DxB	Per	t	T	r ₁	Fillets	A	Gravity	Flange	Web	Axis	Axis
	Metre	mm	mm	mm	mm	cm ²	cm	B/T	d/t	x-x	y-y
	kg/m									cm ⁴	cm ⁴
100x50	10.2	5.0	8.5	9	65.0	13.0	1.73	5.88	13.0	208	32.3
125x65	14.8	5.5	9.5	12	82.0	18.8	2.25	6.84	14.9	483	80.0
150x75	17.9	5.5	10.0	12	106	22.8	2.58	7.50	19.3	861	131
150x90	23.9	6.5	12.0	12	102	30.4	3.30	7.50	15.7	1162	253
180x75	20.3	6.0	10.5	12	135	25.9	2.41	7.14	22.5	1370	146
180x90	26.1	6.5	12.5	12	131	33.2	3.17	7.20	20.2	1817	277
200x75	23.4	6.0	12.5	12	151	29.9	2.48	6.00	25.2	1963	170
200x90	29.7	7.0	14.0	12	148	37.9	3.12	6.43	21.1	2523	314
230x75	25.7	6.5	12.5	12	181	32.7	2.30	6.00	27.8	2748	181
230x90	32.2	7.5	14.0	12	178	41.0	2.92	6.43	23.7	3518	334
250x90	35.5	8.0	15.0	12	220	45.2	2.86	6.00	27.5	4510	364
260x75	27.6	7.0	12.0	12	212	35.1	2.10	6.25	30.3	3619	185
260x90	34.8	8.0	14.0	12	208	44.4	2.74	6.43	26.0	4728	353
300x90	41.4	9.0	15.5	12	245	52.7	2.60	5.81	27.2	7218	404
300x100	45.5	9.0	16.5	15	237	58.0	3.05	6.06	26.3	8229	568
380x100	54.0	9.5	17.5	15	315	68.7	2.79	5.71	33.2	15030	643
430x100	64.4	11.0	19.0	15	362	82.1	2.62	5.26	32.9	21940	722

Designation		Radius		Elastic		Plastic		Buckling	Torsional	Warping	Torsional
Size	Mass	Of Gyration		Modulus		Modulus		Parameter	Index	Constant	Constant
DxB	Per	Axis	Axis	Axis	Axis	Axis	Axis	u	x	H	J
	Metre	x-x	y-y	x-x	y-y	x-x	y-y			dm ⁶	cm ⁴
	kg/m	cm	cm	cm ³	cm ³	cm ³	cm ³				
100x50	10.2	4.00	1.58	41.5	9.89	48.9	17.5	0.942	10.0	0.000491	2.53
125x65	14.8	5.07	2.06	77.3	18.8	89.9	33.2	0.942	11.1	0.00194	4.72
150x75	17.9	6.15	2.40	115	26.6	132	47.2	0.946	13.1	0.00467	6.10
150x90	23.9	6.18	2.89	155	44.4	179	76.9	0.936	10.8	0.00890	11.8
180x75	20.3	7.27	2.38	152	28.8	176	51.8	0.946	15.3	0.00754	7.34
180x90	26.1	7.40	2.89	202	47.4	232	83.5	0.949	12.8	0.0141	13.3
200x75	23.4	8.11	2.39	196	33.8	227	60.6	0.956	14.8	0.0107	11.1
200x90	29.7	8.16	2.89	252	53.4	291	94.5	0.954	12.9	0.0197	13.3
230x75	25.7	9.17	2.35	239	34.8	278	63.2	0.947	17.3	0.0153	11.8
230x90	32.2	9.27	2.86	306	55.0	355	98.9	0.950	15.1	0.0279	19.3
250x90	35.5	9.99	2.84	361	59.3	421	107	0.948	15.5	0.0359	23.8
260x75	27.6	10.1	2.30	278	34.4	328	62.0	0.932	20.5	0.0203	11.7
260x90	34.8	10.3	2.82	364	56.3	425	102	0.942	17.2	0.0379	20.6
300x90	41.4	11.7	2.77	481	63.1	568	114	0.934	18.4	0.0581	28.8
300x100	45.5	11.9	3.13	549	81.7	641	148	0.944	17.0	0.0813	36.8
380x100	54.0	14.8	3.06	791	89.2	933	161	0.932	21.2	0.150	45.7
430x100	64.4	16.3	2.97	1020	97.9	1222	176	0.917	22.5	0.219	63.0