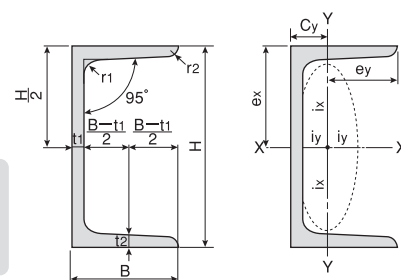# 4 CB (Channel Beams) Kashima Himeji

Geometrical of inertia $I = ai^2$
Radius of gyration of area $i = \sqrt{I/a}$
Modulus of section $Z = I/e$
(a : sectional area)

⟨Product shapes, dimensions and sectional properties⟩

Dimension (mm)					Sectional area (cm²)	Unit mass (kg/m)	Position of center of gravity (cm)		Geometrical moment of inertia (cm⁴)		Radius of gyration of area (cm)		Modulus of section (cm³)		Works	
H×B	t_1	t_2	r_1	r_2			Cx	Cy	Ix	Iy	ix	iy	Zx	Zy	Kashima	Himeji
75×40	5	7	8	4	8.818	6.92	0	1.28	75.3	12.2	2.92	1.17	20.1	4.47	○	○
100×50	5	7.5	8	4	11.92	9.36	0	1.54	188	26.0	3.97	1.48	37.6	7.52	○	○
125×65	6	8	8	4	17.11	13.4	0	1.90	424	61.8	4.98	1.90	67.8	13.4		○
150×75	6.5	10	10	5	23.71	18.6	0	2.28	861	117	6.03	2.22	115	22.4		○
	9	12.5	15	7.5	30.59	24.0	0	2.31	1,050	147	5.86	2.19	140	28.3		○
180×75	7	10.5	11	5.5	27.20	21.4	0	2.13	1,380	131	7.12	2.19	153	24.3		○
200×80	7.5	11	12	6	31.33	24.6	0	2.21	1,950	168	7.88	2.32	195	29.1		○
200×90	8	13.5	14	7	38.65	30.3	0	2.74	2,490	277	8.02	2.68	249	44.1		○
250×90	9	13	14	7	44.07	34·6	0	2.40	4,180	294	9.74	2.58	334	44.5		○
300×90	9	13	14	7	48.57	38.1	0	2.22	6,440	309	11.5	2.52	429	45.7		○

*Remark   Length ranges from 5.5m to 18.5m at intervals of 0.5m.
Please inquire regarding other lengths.