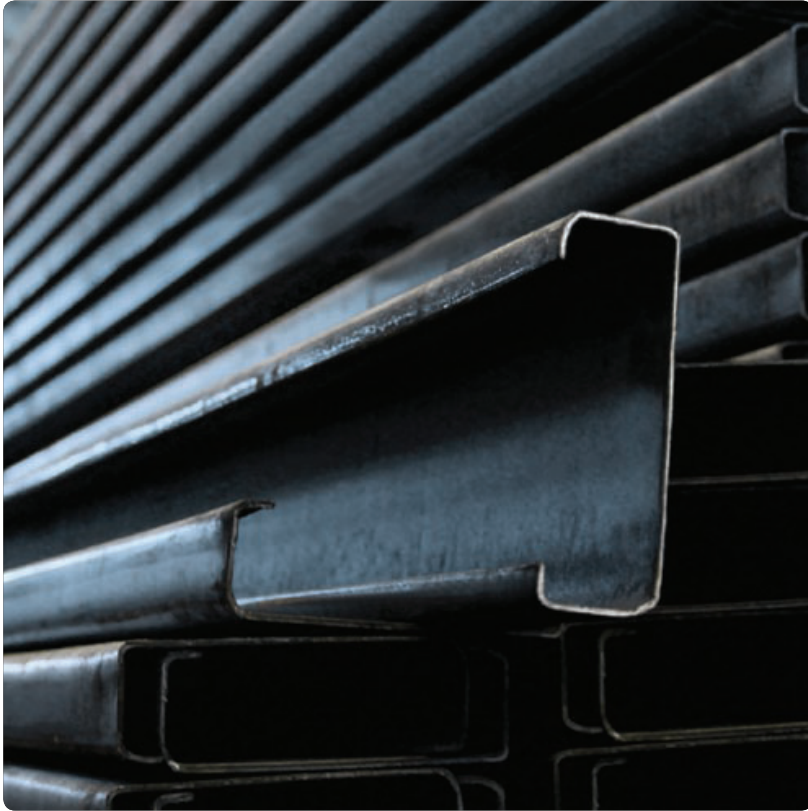
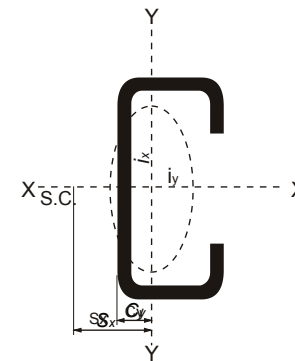
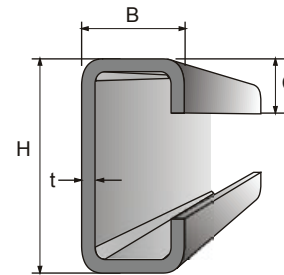


LIPPED CHANNEL



Standard & Specification : JIS G 3101, JIS G 3131, JIS G 3350,
ASTM 830, SNI 07-0138-1987

Available Size : CNP 100 x 50 x 20 to CNP 200 x 75 x 3.2



Dimension		Section Area	Unit Weight	Informative Reference									
				Geometrical Moment of Inertia		Modulus of Section		Modulus of Gyration		Center of Gravity	Shear Center	Torsion Constant	Warping Constant
H x B x C mm	t mm	A cm ²	Kg /m	Ix cm ⁴	Iy cm ⁴	Zx cm ³	Zy cm ³	rx cm	ry cm	Cy cm	Xo cm	J cm ⁴	Cw cm ⁶
C 100 x 50 x 20	2	4.54	3.56	71	17	14.3	5.4	3.97	1.93	1.87	4.48	605	444
	2.3	5.17	4.06	81	19	16.1	6	3.95	1.92	1.86	4.46	912	496
	2.5	5.59	4.39	87	20	17.3	6.5	3.94	1.9	1.86	4.45	1164	528
	2.8	6.2	4.87	95	22	19.1	7.1	3.92	1.89	1.86	4.42	1621	574
	3	6.61	5.19	101	23	20.2	7.4	3.91	1.88	1.86	4.41	1982	603
	3.2	7.01	5.5	106	24	21.3	7.8	3.9	1.87	1.86	4.4	2392	630
C 125 x 50 x 20	2	5.04	3.95	120	18	19.3	5.5	4.89	1.91	1.69	4.15	672	675
	2.3	5.75	4.51	136	21	21.8	6.2	4.87	1.89	1.69	4.12	1013	755
	2.5	6.21	4.88	147	22	23.5	6.6	4.86	1.88	1.69	4.11	1295	805
	2.8	6.9	5.42	162	24	25.9	7.2	4.84	1.86	1.69	4.08	1804	877
	3	7.36	5.78	172	25	27.5	7.6	4.83	1.85	1.69	4.07	2207	922
	3.2	7.81	6.13	181	27	29	8	4.82	1.84	1.69	4.05	2665	965
C 150 x 50 x 20	2	5.54	4.35	185	19	24.7	5.6	5.79	1.87	1.55	3.86	738	971
	2.3	6.32	4.96	210	22	28	6.3	5.77	1.86	1.55	3.84	1115	1088
	2.5	6.84	5.37	226	23	30.2	6.8	5.75	1.85	1.55	3.82	1425	1162
	2.8	7.6	5.97	250	26	33.3	7.4	5.73	1.83	1.55	3.8	1987	1267
	3	8.11	6.37	265	27	35.4	7.8	5.72	1.82	1.54	3.78	2432	1334
	3.2	8.61	6.76	280	28	37.4	8.2	5.71	1.81	1.54	3.77	2938	1398
C 150 x 65 x 20	2	6.14	4.82	218	36	29.1	8.3	8.3	2.43	2.12	5.19	818	1784
	2.3	7.01	5.5	248	41	33	9.4	9.4	2.42	2.12	5.16	1236	2006
	2.5	7.59	5.96	267	44	35.6	10	10	2.41	2.12	5.15	1581	2148
	2.8	8.44	6.63	295	48	39.4	11	11	2.39	2.12	5.13	2207	2352
	3	9.01	7.07	314	51	41.8	11.6	11.6	2.38	2.11	5.11	2702	2482
	3.2	9.57	7.51	332	54	44.2	12.2	12.2	2.37	2.11	5.09	3265	2608
C 200 x 75 x 20	2	7.54	5.92	467	56	46.7	10.6	10.6	2.73	2.2	5.49	1005	4571
	2.3	8.62	6.77	531	64	53.1	12	12	2.72	2.2	5.47	1520	5159
	2.5	9.34	7.33	573	68	57.3	12.9	12.9	2.71	2.2	5.45	1946	6637
	2.8	10.4	8.17	636	75	63.6	14.2	14.2	2.69	2.2	5.42	2719	6085
	3	11.11	8.72	676	80	67.6	15	15	2.68	2.19	5.41	3332	6437
	3.2	11.81	9.27	716	84	71.6	15.8	15.8	2.67	2.19	5.39	4030	6779

Technical Specification

Material : JIS G 3131 / ASTM 830, Symbol : SPHC/ SAE 1006/ SAE 1008
Standard length : 6 Meters, Dimension Tolerance : JIS G 3350

Non standard length is available on request subject to minimum quantity.
We provide additional services for standard drilling and punching.
Shotblasting, painting and galvanizing are available on request.

SNI 07-0138-1987

Dimension		Section Area	Unit Weight	Informative Reference									
				Geometrical Moment of Inertia		Modulus of Section		Modulus of Gyration		Center of Gravity	Shear Center	Torsion Constant	Warping Constant
H x B x C mm	t mm	A cm ²	Kg /m	I _x cm ⁴	I _y cm ⁴	Z _x cm ³	Z _y cm ³	r _x cm	r _y cm	C _y cm	X _o cm	J cm ⁴	C _w cm ⁵
C 100 x 50 x 20	2.0	4.437	3.56	71	17	14.3	5.4	3.97	1.93	1.87	4.48	605	444
	2.3	5.172	4.06	81	19	16.1	6.0	3.95	1.92	1.86	4.46	912	496
	2.8	6.205	4.87	95	22	19.1	7.1	3.92	1.89	1.86	4.42	1621	574
	3.2	7.007	5.50	106	24	21.3	7.8	3.90	1.87	1.86	4.40	2392	630
C 125 x 50 x 20	2.3	5.747	4.51	136	21	21.8	6.2	4.87	1.89	1.69	4.12	1013	755
	3.2	7.807	6.13	181	27	29.0	8.0	4.82	1.84	1.68	4.05	2665	965
C 150 x 50 x 20	2.3	6.32	4.96	210	22	28.0	6.3	5.77	1.86	1.55	3.84	1115	1088
	3.2	8.607	6.76	280	28	37.4	8.2	5.71	1.81	1.54	3.77	2938	1398
C 150 x 65 x 20	2.3	7.01	5.50	248	41	33.0	9.4	5.94	2.42	2.12	5.16	1236	2006
	3.2	9.57	7.51	332	54	44.2	12.2	5.89	2.37	2.11	5.09	3265	2608
C 200 x 75 x 20	3.2	11.81	9.27	716	84	71.6	15.8	7.79	2.67	2.19	5.39	4030	6779

Chemical Composition

- Carbon (C) : 0.25 % max
- Phosphor (p) : 0.05 % max
- Sulfur (s) : 0.05 % max

Mechanical Properties

- Tensile Strength : 176.4 N/mm² min
- Yield Strength : 333.2 N/mm² min
- Elongation : 21 % min

Tolerance

- Thickness ≤ 2.3 mm : ± 0.24 mm
- Thickness ≤ 3.2 mm : ± 0.3 mm
- High (H) ≤ 125 mm : ± 1.5 mm
- High (H) ≤ 250 mm : ± 2.0 mm
- Width (B) ≤ 75 mm : ± 2.0 mm
- Lip (C) ≤ 25 mm : ± 2.0 mm
- Length 6 - 7 M : ± 40 mm