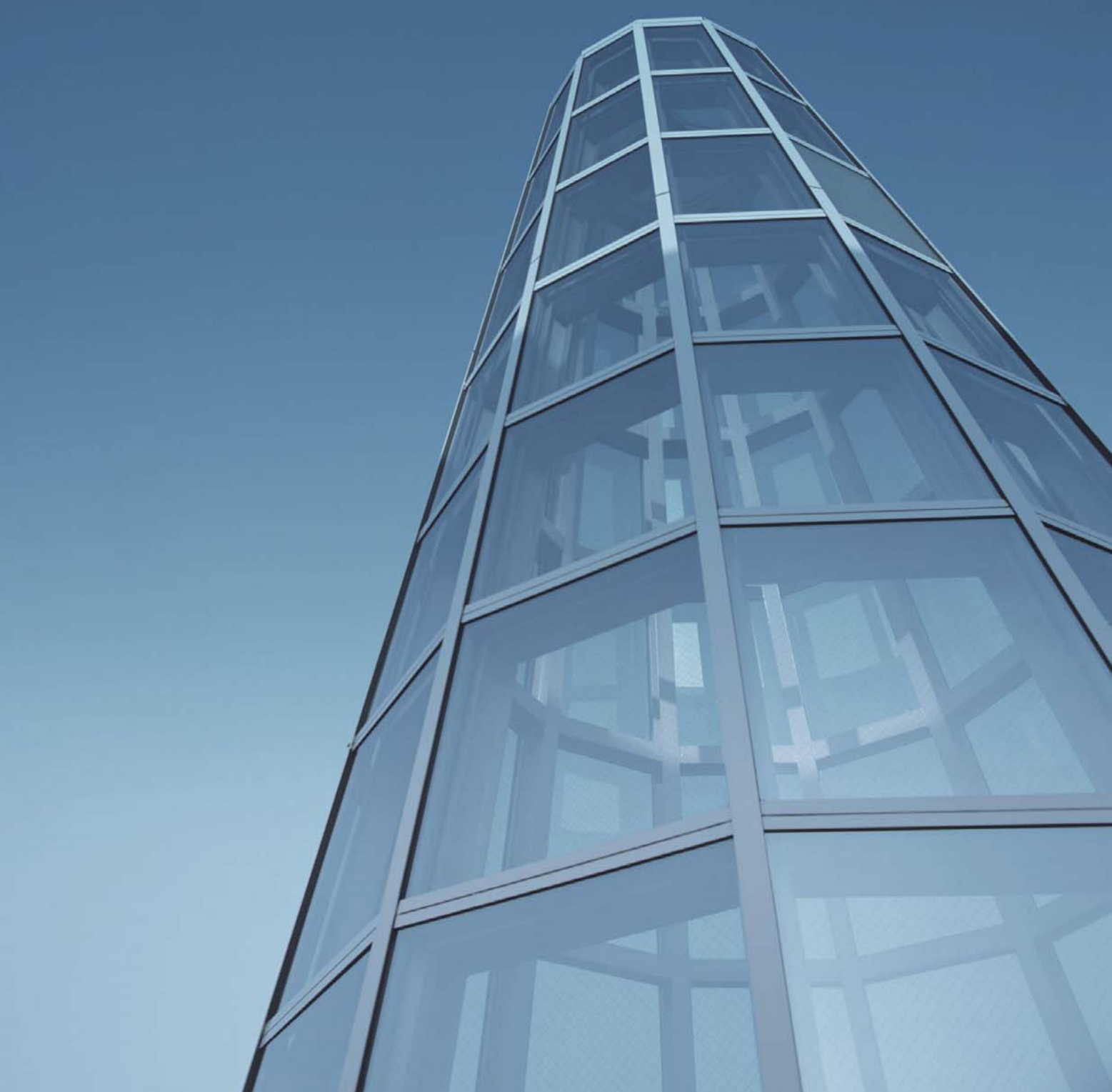


Light Gauge Section



JIS Standard (JIS G 3350)

Tolerances

Characteristics		Tolerance
Height(H)	150mm or under	±1.5mm
	over 150 up to 300mm, incl.	±2.0mm
	over 300mm	±3.0mm
Side (A)		±1.5mm
Lip (C)		±2.0mm
Squareness		±1.5°
Length		+40 0mm
Straightness		0.2% or less of the whole length
Plate thickness of flat part (t)	1.6mm	±0.22mm
	2.3mm	±0.25mm
	3.2mm	±0.30mm
	4.0mm, 4.5mm	±0.45mm
	6.0mm	±0.60mm

Chemical Composition

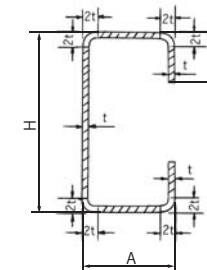
Symbol	(% max)		
	C	P	S
SSC400	0.25	0.050	0.050

Mechanical Properties

Symbol	Yield point (N/mm ²)	Tensile strength (N/mm ²)	Elongation		
			Thickness (mm)	Test piece	%
SSC400	245 min.	400~540	5 or less	No.5	21 min.
			over 5	No.1A	17 min.

NOTE

- 1) The plate flat parts refer to the shaded portions of the illustration.
- 2) The bend refers to a large bend in the length direction of flat part.
The measuring position of section size and squareness shall be an
- 3) arbitrary position except both ends of the Light gauge section.



If you require other standards and requirements, please consult us.

Section Properties Lip channel section

Dimensions (mm-size)

Dimensions		Mass kg/m	Area cm ²	Center of gravity		Moment of inertia		Radius of gyration		Elastic section modulus		Shear center	
H x A mm	t mm			Cx cm	Cy cm	Ix cm ⁴	Iy cm ⁴	ix cm	iy cm	Zx cm ³	Zy cm ³	Sx cm	Sy cm
100 x 50	3.2	4.76	6.063	0	1.40	93.6	14.9	3.93	1.57	18.7	4.15	3.1	0
	2.3	3.47	4.426	0	1.36	69.9	11.1	3.97	1.58	14.0	3.04	3.1	0
100 x 40	3.2	4.26	5.423	0	1.03	78.6	7.99	3.81	1.21	15.7	2.69	2.2	0
	2.3	3.11	3.966	0	0.99	58.9	5.96	3.85	1.23	11.8	1.98	2.2	0
80 x 40	2.3	2.75	3.506	0	1.11	34.9	5.56	3.16	1.26	8.73	1.92	2.4	0
	2.3	2.03	2.586	0	0.86	14.2	2.27	2.34	0.94	4.72	1.06	1.8	0
60 x 30	1.6	1.44	1.836	0	0.82	10.3	1.64	2.37	0.95	3.45	0.75	1.8	0
	3.2	2.75	3.503	0	1.51	9.21	5.72	1.62	1.28	4.60	2.30	3.0	0
40 x 40	2.3	1.31	1.666	0	0.61	3.86	0.63	1.52	0.61	1.93	0.45	1.2	0
	1.6	0.939	1.196	0	0.57	2.90	0.46	1.56	0.62	1.45	0.32	1.2	0

Regular size.

If you require other sizes, please consult us.

