

General description

Z and C profiles are light cold formed hot galvanized steel profiles. The high steel grade provides a high mechanical and bearing resistance. The rigidity and resistance of profiles allow their use both for supporting the roof panels and to achieve the strength structure of the building.

Scope of use

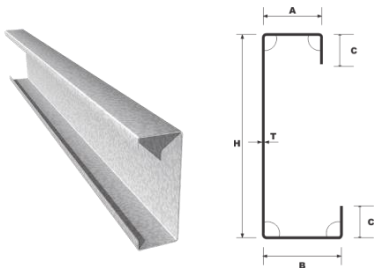
- as strength structure, secondary structure for the support of coverings and closing, and the attic and atop of a building
- especially in industrial buildings with destination warehouse, production, showroom, shopping centers, farms and in other special constructions

Advantages

- can be customized, avoiding thus loss of materials resources
- low weight and bearing capacity higher than the classical structures
- quick, easy and accurate assembly
- terms and costs of execution by 80% lower
- can be removed and reused
- the steel they are made of is not affected by weather conditions and does not change the shape in time
- corrosion resistant
- resistance to earthquakes higher than classical structures.

Production Specifications

- Z and C profiles can be manufactured with section height from 100 mm to 400 mm
- the thickness available range from 1 mm and 4 mm, based on the constructor's requirements
- The standard length of the panel ranges from 2 m and 13.5 m. Execution of the modules with different lengths from the standard ones will be made after prior consultation with the technical specialist
- profiles can be manufactured with automatic pre-boring in consistency with the project requirements



Profiles: C and Z

1. Profile C

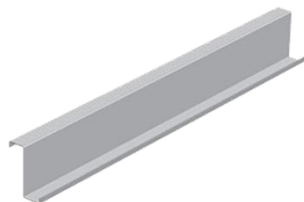
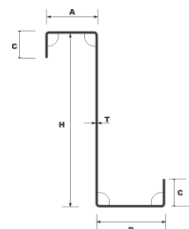
Type Profile C	Thickness (mm)	Height (mm)	Weight (kg/m)	Size Side A (mm)	Size Side B (mm)	Size Side C (mm)
C100	1.00	100	1.63	40	47	16
	1.50	100	2.43	40	47	17.1
	2.00	100	3.23	40	47	18.3
C120	1.00	120	1.79	40	47	16
	1.50	120	2.67	40	47	17.1
	2.00	120	3.54	40	47	18.3
	2.50	120	4.41	40	47	19.5
C150	1.00	150	2.02	40	47	16
	1.50	150	3.02	40	47	17.1
	2.00	150	4.01	40	47	18.3
	2.50	150	5.00	40	47	19.5
C180	1.00	180	2.52	53	60	19.4
	1.50	180	3.76	53	60	20.6
	2.00	180	5.00	53	60	21.8
	2.50	180	6.23	53	60	23
C200	1.50	200	4.35	65	72	23.6
	2.00	200	5.79	65	72	24.8
	2.50	200	7.21	65	72	26
C250	1.50	250	4.94	65	72	23.6
	2.00	250	6.57	65	72	24.8
	2.50	250	8.19	65	72	26

Profiles: C and Z

	3.00	250	9.81	65	72	27.2
C300	2.00	300	7.83	81	88	23.8
	2.50	300	9.76	81	88	25
	3.00	300	11.68	81	88	26.2
C350	2.00	350	9.02	93	100	24.8
	2.50	350	11.26	93	100	26
	3.00	350	13.48	93	100	27.2
	3.50	350	15.71	93	100	28.5
	4.00	350	17.92	93	100	29.7
C400	2.00	400	9.81	93	100	24.8
	2.50	400	12.24	93	100	26
	3.00	400	14.66	93	100	27.2
	3.50	400	17.08	93	100	28.5
	4.00	400	19.49	93	100	

Profiles: C and Z

2. Profile Z



Type Profile Z	Thickness (mm)	Height (mm)	Weight (kg/m)	Size Side A (mm)	Size Side B (mm)	Size Side C (mm)
Z100	1.00	100	1.63	40	47	16
	1.50	100	2.43	40	47	17.1
	2.00	100	3.23	40	47	18.3
Z120	1.00	120	1.79	40	47	16
	1.50	120	2.67	40	47	17.1
	2.00	120	3.54	40	47	18.3
	2.50	120	4.41	40	47	19.5
Z150	1.00	150	2.02	40	47	16
	1.50	150	3.02	40	47	17.1
	2.00	150	4.01	40	47	18.3
	2.50	150	5.00	40	47	19.5
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	1.50	180	3.76	53	60	20.6
	2.00	180	5.00	53	60	21.8
	2.50	180	6.23	53	60	23
Z200	1.50	200	4.35	65	72	23.6
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Z250	1.50	250	4.94	65	72	23.6
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Profiles: C and Z

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	3.50	350	15.71	93	100	28.5
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	2.50	400	12.24	93	100	26
	3.00	400	14.66	93	100	27.2
	3.50	400	17.08	93	100	28.5
	4.00	400	19.49	93	100	

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