



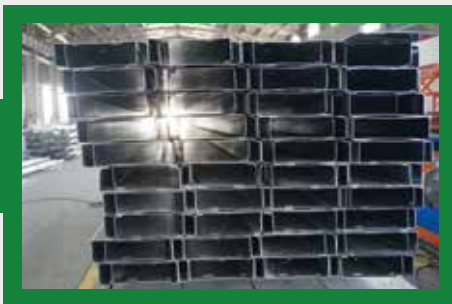
G r o u p

Engineering Enterprises
for Civil & Steel Constructions S.A.E.
Since 1975



STEEL STRUCTURE CAPABILITY

Cold Formed – Purlins C & Z



EEC Tower

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Intertek

ISO 45001 - 2018
ISO 9001 - 2015
ISO 14001 - 2015





EEC Group produces the highest quality structures according to international standards and specifications.

Purlins at EEC are manufactured through cold roll forming of steel strips of various thicknesses up to **3 mm**.

EEC purlins are made of black or galvanized steel strips, cold-formed into C & Z profiles of different sizes. Their thickness can be up to **3 mm** and the length is according to client specifications. Because of their lightweight, high quality, durability, and lower total cost, these purlins are the best alternative to the equivalent standard steel sections.

Purlins can also be used for the skeletons of caravans and prefabricated units.



... Technical Specification ...

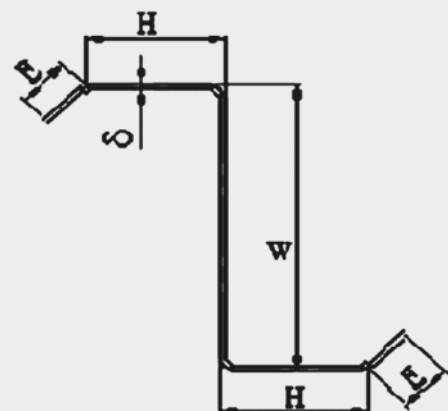
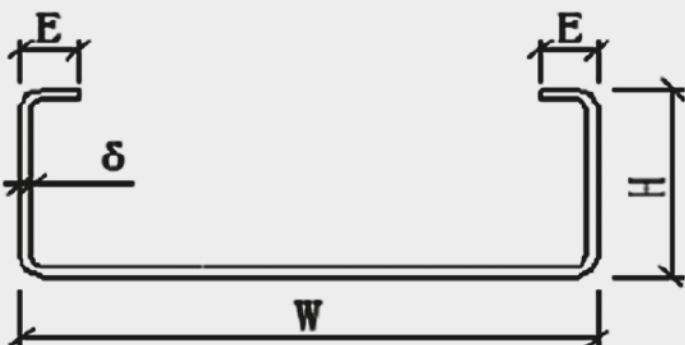
C & Z Sections are secondary structural members used between the main beams of the steel structure.

These profiles are made from preheating dipped galvanized steel, G275 coating based on **EN 10147** with a guaranteed yield strength of **350 N/mm²**.

The metal thickness varies for C Section (**from 1.5mm to 3.0mm**) and Z Section (**from 1.5mm to 2.5mm**). Sleeves are used to join purlin above frames, whereas 6 to 8mm cleats and 16mm bolts are usually used to connect this profile to building frames.

C - PURLINS SIZE RANGE				
Section	WEB	Flange	Edge	Thickness
	(W) mm	(H) mm	(E) mm	(δ) mm
EC80 -15	80	40	20 - 10	1.5
EC80 -19				1.9
EC80 -22				2.2
EC100-15	100	50		1.5
EC100-19				1.9
EC100-22				2.2
EC150-15	150	58		1.5
EC150-19				1.9
EC150-24				2.4
EC200-15	200	72		1.5
EC200-19				1.9
EC200-24				2.4
EC250-15	250	73		1.5
EC250-19				1.9
EC250-24				2.4
EC250-26			2.6	
EC260-19	260	80	1.9	
EC260-24			2.4	
EC260-26			2.6	
EC260-28			2.8	
EC260-30			3.0	

Z - PURLINS SIZE RANGE				
Section	WEB	Flange	Edge	Thickness
	(W) mm	(H) mm	(E) mm	(δ) mm
EZ120-15	120	40	10 - 20	1.5
EZ120-19				1.9
EZ120-24				2.4
EZ150-15	150	57		1.5
EZ150-19				1.9
EZ150-24				2.4
EZ200-15	200	69		1.5
EZ200-19				1.9
EZ200-24				2.4
EZ250-15	250	71		1.5
EZ250-19				1.9
EZ250-24				2.4
EZ300-19	300	80		1.9
EZ300-24				2.4





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