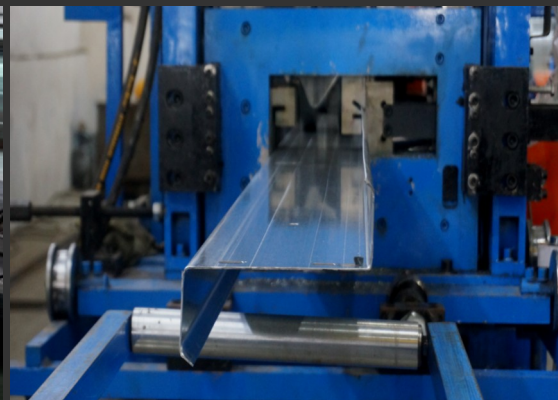
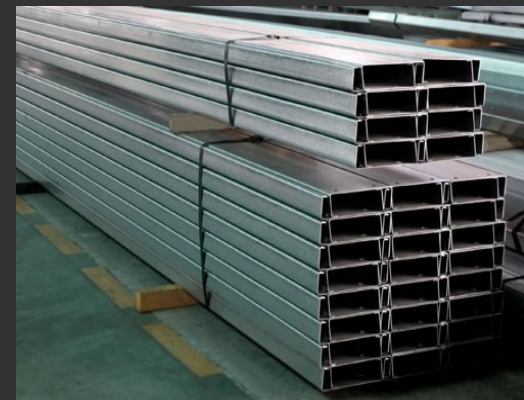




STEEL STRUCTURE CAPABILITY

Cold Formed - Purlins C & Z



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G r o u p

Since 1975





Today our steel purlins factory forms part of a manufacturing complex spanning 140,000m² producing 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, going 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 specification.

Because of their light weight, 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.

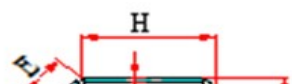


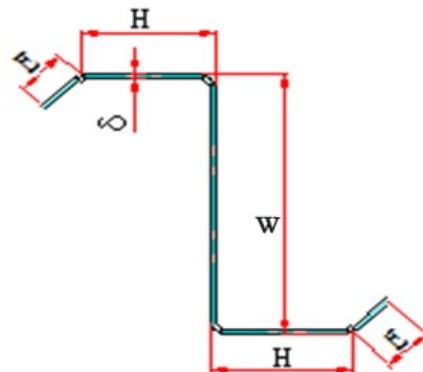
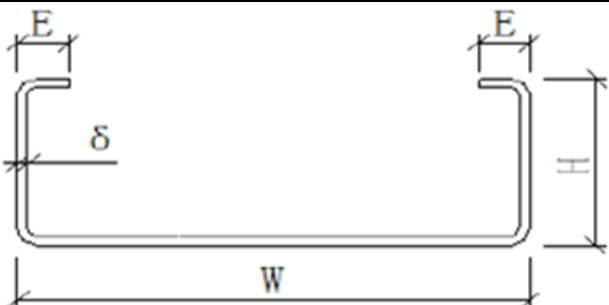
Technical Specification

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

These profiles are made from preheat dipped galvanized steel, G275 coating based on EN 10147 with guaranteed yield strength 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, where as 6 to 8mm cleats and 16mm bolts are usually used to connect this profile to building frames.

C-PURLINS SIZE RANGE					Z-PURLINS SIZE RANGE				
Section	WEB	Flange	Edge	Thickness	Section	WEB	Flange	Edge	Thickness
	(W) mm	(H) mm	(E) mm	(δ) mm		(W) mm	(H) mm	(E) mm	(δ) mm
EC80-15	80	40	20-10	1.5	EZ120-15	120	40	10-20	1.5
EC80-19				1.9	EZ120-19				1.9
EC80-22				2.2	EZ120-24				2.4
EC100-15	100	50		1.5	EZ150-15	150	57		1.5
EC100-19				1.9	EZ150-19				1.9
EC100-22				2.2	EZ150-24				2.4
EC150-15	150	58		1.5	EZ200-15	200	69		1.5
EC150-19				1.9	EZ200-19				1.9
EC150-24				2.4	EZ200-24				2.4
EC200-15	200	72		1.5	EZ250-15	250	71		1.5
EC200-19				1.9	EZ250-19				1.9
EC200-24				2.4	EZ250-24				2.4
EC250-15	250	73		1.5	EZ300-19	300	80		1.9
EC250-19				1.9	EZ300-24				2.4
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					







We are a complete turnkey provider for customer projects.

EEC Group was founded in 1975 as a construction company.

Today we are positioned uniquely in Egypt and the region, capable of delivering integrated value to our customers on a turnkey basis through our engineering, construction and fabrication capabilities with over 1500 professionals.

We operate an Integrated Management System for ISO9001, ISO14001 and OHSAS18001

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

