

MET-C and MET-Z purlins

About METCO

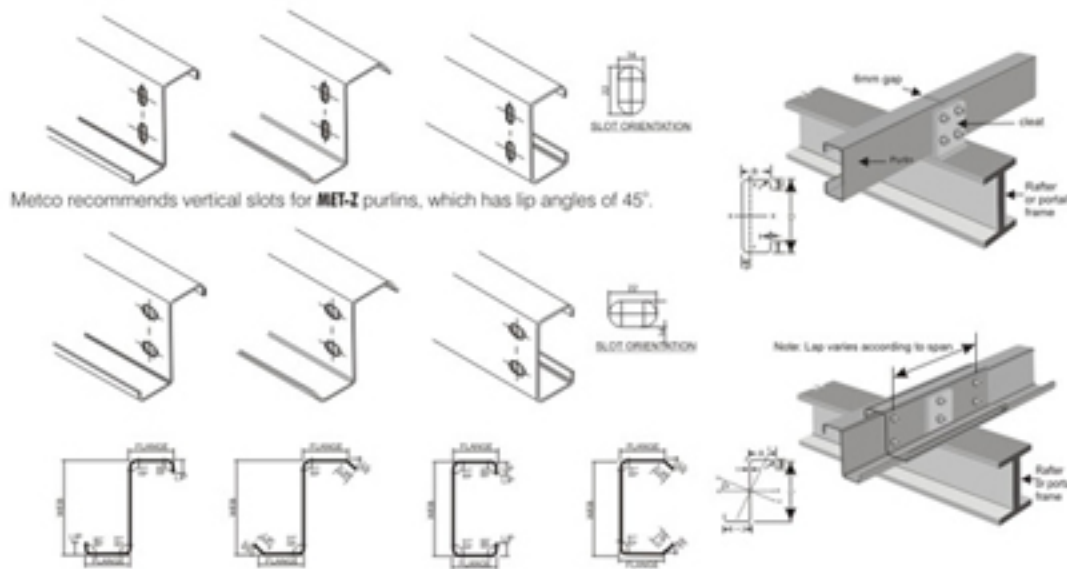
Metco Roof Private Limited, started in the year 2002, with the commitment for offering world class products in Pre Engineered Building system, complete in design, development, manufacture and erection, tuned to national and international quality standards with consistency and customer satisfaction.

METCO Purlins

Metco has installed most modern forming machines to manufacture a variety of standardized and customized purlins, maintaining international quality standards to cater to the growing customer needs.

The unique roll forming machine reduces operator dependence for quality. There are a variety of CNC controllers to convert the stroke/forming, punching parameters provided in the machine as a programmable ones viz: X Y axis with large memory.

The latest purlin technology incorporates the concept of cold rolled (cold formed) steel sections, which replaces the conventional hot rolled angles, channels, tubes (square hollow tube, round hollow tube, rectangle hollow tube) and I sections with more benefits.



Material Specification

Thickness range	T 1.6, 2.0, 2.2, 2.3, 2.5 & 3.00
Input Raw Material specification	IS 10748 Grade II / IS2062 ASTM A36
Yield Strength	Low tensile : YS 240 - 300 Mpa High tensile : YS 340 - 400 Mpa
Surface Finish	Galvanized Plated or one coat of primer and as per choice

Product Specification

Details	Specifications
Thickness	1.6mm Upto 3.00mm
Length	Min. 1750mm Max. 12000mm (& above if required)
Material	CR Steel as per IS - 513/HR Steel as per IS - 1079
Yield strength	245 Mpa to 345 Mpa
Type	Bare, Primer coated, Galvanized, Painted

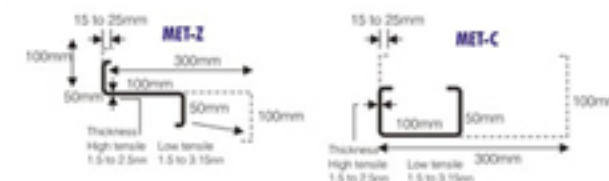


METCO Purlins

Product Range



Customized Sizing



Salient Features of MET-C & MET-Z Purlins

- The hallmark feature of our purlin production facility is the capability to manufacture purlins, to the required dimensions, tailor made to client's and consultant's specifications.
- The new advanced production facility is installed with a view to enable the clients to place orders to their exact needs viz. optimum sizes with cost benefits.
- The customized size options can be provided in all dimensional area of the purlin (Web, Flange, Lip, Length and holes).
- Perfect lapping of purlin sections enable continuous line throughout the length of the building and also attributes to cost saving.
- With the installation of heavy duty high rated production facility, we can achieve continuous large scale production, and thus would cater to huge and unhindered supplies, within the committed schedule.

Tolerance

Length	As specified +/- 2mm to 5mm
Squareness	2 mm max across sheet
Bow	2mm Max per 1000 mm length of purlin in either direction
Camber	2mm Max per 1000 mm length of purlin in either direction of either Flange
Taper	Less than 2 mm.

Note: The Tolerance figures are applicable to purlins at the time of production

Our products are subject to constant upgradation. Hence, Metco reserves the right to change any technical parameters without prior intimation.



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Comparative

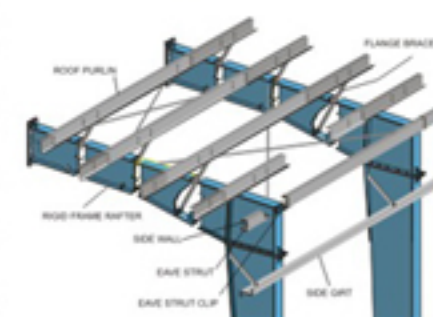
Secondary members (Purlins) made out of HR Steel or Pre Galvanized Coated Steel

Material Comparison

HR Steel	Pre Galvanized Coated steel
Requires removal of scales by conventional methods such as sand blasting, pickling or any other such methods.	IS 211 Hot Dip Galvanized coated - mill finish - highly controlled process to withstand against high humidity or heavy condensation. Industrial furnaces and has excellent resistance to corrosion.
Requires pre-treating mechanical cleaning and painting with primer & finishing coat to protect against corrosion.	Coating thickness 15 to 30µm. Eliminates painting process and hence economical. Excellent finish as compared to painted members. Shelf life is infinite.

Sectional Comparison

Hot Rolled Sections	Cold Formed Sections
Sections can only be formed on standardized sizes.	Custom made sections and shapes.
Sections of fixed lengths results in wastage.	Desired lengths resulting in minimum wastage.
General tolerance is the usual norms.	Close tolerances with clean-cut accuracy is possible.
Strength to weight ratio is lower.	Strength to weight ratio is higher.
Uniform thickness is a rarity.	Sectional uniformity is constant.
Restrictions on minimum thickness.	Even very low thickness can be formed.



Purlin Accessories

