



Pennar Industries Limited

Engineering Excellence



PENNAR

PURLINS / SECTIONS

ADDING STRENGTH
TO THE STRUCTURE

Introduction

PENNAR INDUSTRIES LIMITED, an ISO 9001:2008 accredited company having five manufacturing plants located at Patancheru, Isnapur (both near Hyderabad), Chennai, Tarapur and Hosur. PENNAR manufactures different steel products like Cold Rolled Steel Strips, Cold Roll Formed Steel Sections, Engineering components, Metal Crash barriers for Road safety and ERW Tubes.

Cold Roll Formed Steel Sections (CRFS) Division manufactures Products for Construction / Steel buildings / EPC industry (Metal decking, Purlins & Runners, Roofing sheets, etc), Special sections & Panels for Automobile, Engineering industries, Solar Power Projects, Long profiled steel sheets such as Collecting and discharge electrodes for ESPs, Stringer channels for Material Handling industry, Trough floor & other sections for Railway wagons and coaches, sheet piles for the construction industries.

PENNAR PURLINS for Steel Buildings

All over the world, engineers are now taking keen interest in using Cold Formed Steel as the basic material of construction to be competed on fast track projects. Considering the higher strength to weight ratio of CRF Sections, PENNAR PURLINS / SECTIONS have become very popular in the construction of any steel building, whether it is simple storage shed or a complex Turbo Generator building in a power plant. PENNAR PURLINS are well accepted by architects and structural consultants all over India and abroad.

Pennar supplies a wide variety of sections like C-Channels, Lip Channels, Sigma Sections, Z-Purlins, Multi-beams, Angles and various other contours, usually in thickness range of upto 6mm. Sections can be supplied in various grades of steel depending on the customer requirement.

PENNAR.. everywhere

Today, there are more than 5000 buildings in India and abroad, where PENNAR PURLINS have been used. Our clientele includes construction majors like L&T, Simplex, Lanco, Indu Projects, Navayuga, BL Kashyap, NCC, Gannon Dunkerly, Shapoorji Paloonji, Consolidated Construction Co, Lloyd Insulations for various projects in Power, Airports, Cement, Steel Plants, Metallurgical industries, Automobile, Textile, etc.



Thickness	: 1.5mm to 6mm
Length	: upto 12000mm
Material	: CR Steel / HR Steel / Galvanized Steel
Yield Strength	: 245 MPa to 345 MPa
Type	: Bare, Primer coated, Galvanized, Painted

For easy erection and also to avoid any wastage / rework at site, we supply the suitable sizes of Purlins in pre-punched condition. The material required is cut to length as per the customers specifications / drawings.



PENNAR PURLINS /



Product Range

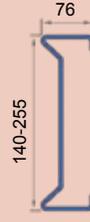
C-Channels



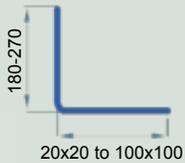
Z-Purlin (45° Lip)



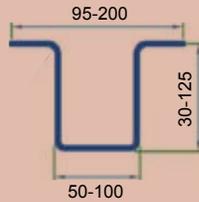
Multi-Beam



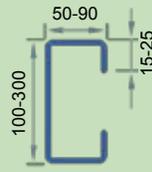
Equal Angle (90°)



Top Hat



Lip-Channels



Z-Purlin (90° Lip)



Quality Policy

We, at Pennar, are committed to producing value added steel based products and associated service for customers all over the world.

We strive to achieve excellence in the quality of products we manufacture and the service we provide to our customers.

It is our endeavour to create a working environment where motivated employees communicate freely and where innovation is encouraged to enable continual improvement in all areas.

We work together to achieve "Complete Customer Satisfaction through Total Quality Management". Our ISO 9001:2008 accreditation stands testimony to the above fact.

SECTIONS

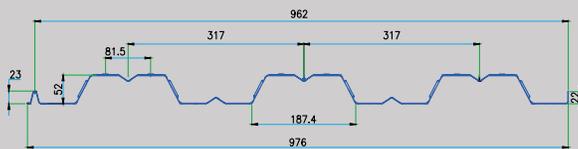


Advantages of Pennar CRF Sections over conventional Hot Rolled Sections

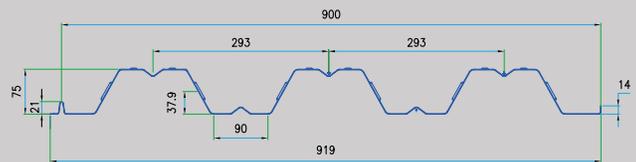
Hot Rolled Sections	Pennar CRF Sections
Low strength-to-weight ratio	Very high strength-to-weight ratio
Available without any surface finish	Sections provided with painted, powder-coated, galvanized or polyurethane-coated surface finish depending on customer's requirements
Sections require frequent maintenance	Sections are maintenance-free owing to application of proper surface finish
Self-weight requires heavier sections for the structures thereby increasing load on foundation	Light sections reduce dead load and consequently and its supports lighter sections for structures and supports. Thus, the load on foundation is minimum
High wastage since sections are available only in standard lengths and shapes	Sections are factory-finished to avoid wastage
Installation time high since sections need to be cut to length and fabricated at site	Factory-finished sections drastically reduce installation time
Only standard sections available	Optimum sections to meet exacting design specifications: no over-design possible
Factor of safety as per specifications	Additional factor of safety due to increase in yield strength by cold forming

OTHER BUILDING PRODUCTS

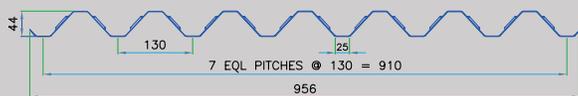
Pennar Super Deck - 52



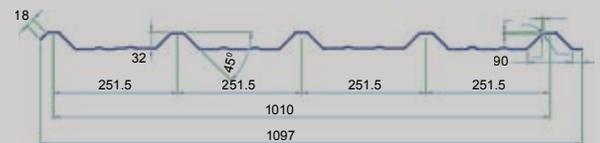
Pennar Super Deck - 75



Pennar Super Deck - 44



Pennar 32/352 Roofing Profile



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Registered Office

Floor-1, DHFLVC, Silicon Towers,
Kondapur, Hyderabad - 500084
Ph: +91-40-23117043 / 45 / 47
Fax: +91-40-23117041
www.pennarindia.com

Corporate Office / Central Marketing Office

I.D.A, Patancheru - 502319,
Medak District, Andhra Pradesh. India.
Ph: 08455-242184 to 193
Fax: 08455-242424 / 242161
Email: pilhyd@bsnl.in / contact@pennarindia.com
www.pennarindia.com

Marketing Offices

Ahmedabad : 9099665453
Bengaluru : 080-2322 0667
Chennai : 044-2489 3962
Coimbatore : 09626809747
Delhi : 9871196334
Hosur : 04344-275458 / 276874 (telefax)
Hyderabad : 040-23117044 / 7045
Indore : 0731-4207171
Kolkata : 033-2441 7325
Mumbai : 022-4123 7383
Pune : 020-2554 8660

ahmedabad@pennarindia.com
bengaluru@pennarindia.com
chennai@pennarindia.com
coimbatore@pennarindia.com
delhi@pennarindia.com
hosur@pennarindia.com
hyderabad@pennarindia.com
indore@pennarindia.com
kolkata@pennarindia.com
mumbai@pennarindia.com
pune@pennarindia.com