



We Shape the Steel

(An ISO 9001 : 2015 Certified Co.)

G.B. Enterprises Pvt. Ltd.

India's Leading Manufacturer of Cold Rolled Formed Metal Sections

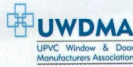
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MADE IN INDIA

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www.gbroll.com



About Us

G.B. Enterprises have been recognized for offering quality products in Cold Roll Forming Sections Since 2003. We have set up advanced technology manufacturing facility in NCR location. In 1,00,000 sq.ft. area having ability to give best quality at economical rates, with tailor made solutions. Supplying to Pan India and overseas markets.

Industries we serve :

- uPVC Doors & Windows
- Solar Energy
- Prefab Houses
- Pre-engineering Building
- Green Houses etc.

Raw Material Used :

- Pre-Galvanized
- Galvalume
- Posmac
- Colour Coated (PPGI/PPGL)
- Hot & Cold Rolled (HR/CR)
- Thickness – Upto 4.0mm
- Tensile strength – Upto 650 mpa

In-house Facilities:

- Coil Slitting
- 25 Roll Forming Machines
- Bending
- Shearing
- Punching

Plant Capacity:

- 2000 Tonnes/month.

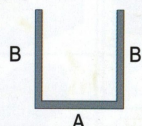
Difference Between Roll Forming Vs Bending

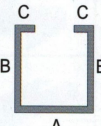
Description	Roll Forming	Bending
Length	No Limit	Limited
Order Volume	Medium/High Qty	Low Qty
Surface Appearance	Smooth & Clean	Scratches Due to Force
Design Complexity	Most Complex Designs are made	Only Simple Designs Possible
Tolerance	Minimum	Sizes may vary
Strength		
Movement of Inertia	High	Low (Compare to Roll-Forming)
Thickness on bends	Remains Constant	Decrease due to Direct Force

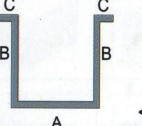
Our Strength

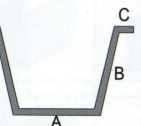
S. No.	Description	Capacity	Qty.
1	Rolling Machines	0.30mm to 4mm* Thickness	25
2	Slitting Machine	0.30mm to 3.5mm Thickness	1
3	Online Punching Servo System (SUKU)	350mm x 3.5mm	1
4	Sheet Cutting Machine (CTL)	0.60mm to 5.00mm Thickness	1
5	Bending Machine	4 Mtr.	1
6	Lathe Machine	12 Feet & 8 Feet	2
7	Sharper Machine	24 Feet	1
8	Surface Grinder Machine	12"24"	1
9	Hex Cutting Machine	12"	1
10	EOT Cranes	3 MT – 30 MT	7
11	Fork Lifter	4 MT	1
12	Hand Grinder	4 Inch – 7 Inch	12
13	Arc Welding Machine	200 Amps – 400 Amps	27
14	Mig Welding Machine	400 Amps	3
15	Bench Drill Machine	25mm – 40mm	12
16	Power Press	10 Ton – 63 Ton	10

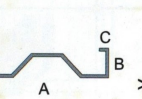
Solar Structure Section & Accessories

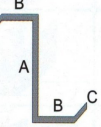
'C' Section				
	A	B	Thk.	
	>10	>5	>0.3	
	<250	<100	<4.0	

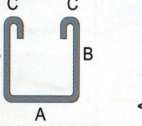
'Lip' Section				
	A	B	C	Thk.
	>20	>20	>5	>0.5
	<250	<100	<30	<3.5

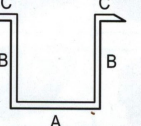
'Top Hat' Section				
	A	B	C	Thk.
	>20	>25	>5	>0.3
	<150	<80	<30	<3.0

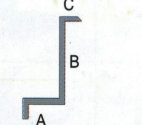
'Top Hat Degree' Section				
	A	B	C	Thk.
	>20	>20	>5	>0.5
	<100	<80	<30	<3.0

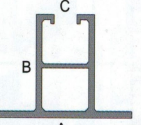
'Sigma' Section				
	A	B	C	Thk.
	>50	>20	>10	>0.3
	<250	<80	<30	<3.0

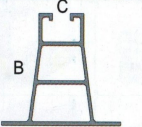
'Z' Section				
	A	B	C	Thk.
	>30	>20	>10	>0.5
	<300	<85	<20	<3.0

'Strut' Channel				
	A	B	C	Thk.
	>40	>20	>10	>1.0
	<100	<80	<15	<3.0

'Aluminium Mid Clamp'				
	A	B	C	
	19	37	12.5	

'Aluminium End Clamp'				
	A	B	C	
	20	45	13	

'Aluminium Rail' Section				
	A	B	C	
	58	40	25	

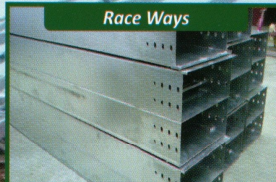
'Aluminium Rail 1' Section				
	A	B	C	
	74	62	28	

Spring Nut				
	Available in All Sizes			

Perforated Type Cable Tray



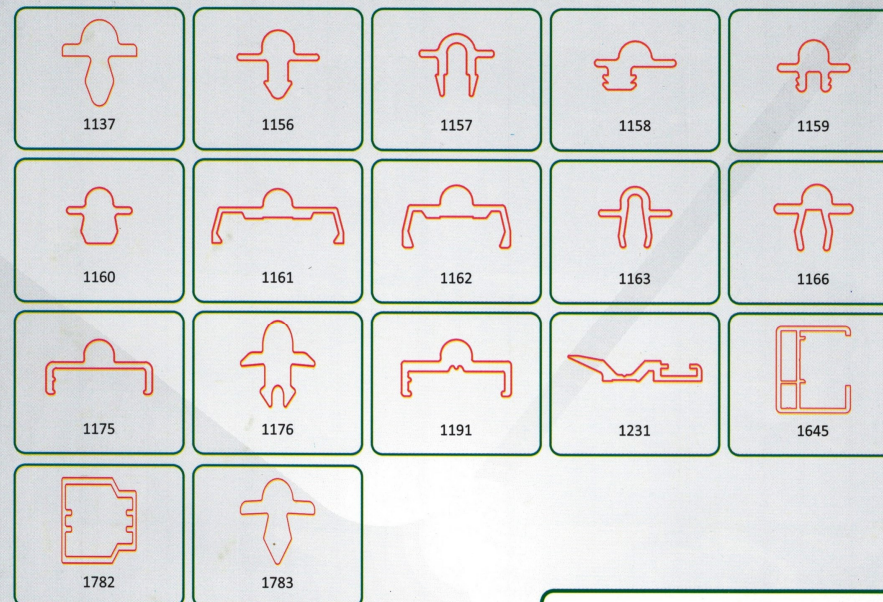
Race Ways



Walk Way



Aluminium Rail For uPVC Sliding System

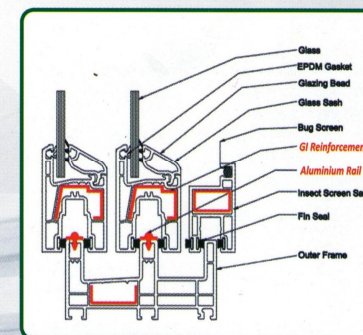


Aluminium Rail Specification

Availability	: All Profile System
Alloy	: 6063
Hardness	: T-6, 12-13 on webster scale
Anodised	: 12-15 micron

GI Reinforcement Specification

Availability	: All Profile System
Raw Material	: As per IS-277
Thickness	: 1mm - 3mm
Zinc Coating	: 120-550 (gsm)
Tensile Strength	: 240-550 (Mpa)
Design	: Customization

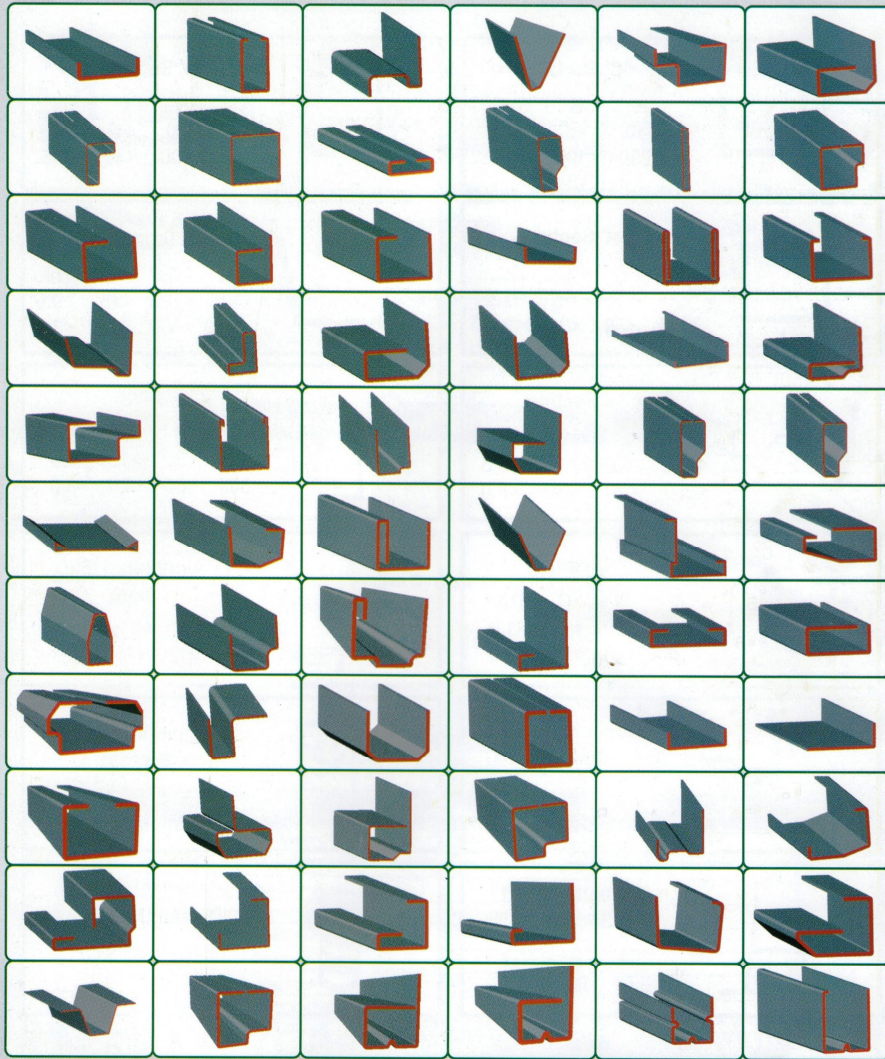


The use of steel reinforcement is an integral component and adds stiffness along with security to the finished units. The reinforcement design is generally the last component within the system that needs to be considered. So, it leaves little capacity for engineered design with optimum use of steel as the component for preventing excessive loads as applied to glass and frames. The over-engineered reinforcement sections can also be specified as means of meeting values as according to system specifications.

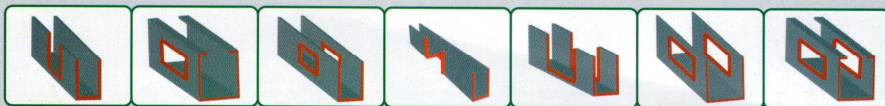
Need of reinforcement :-

- Enhancing the Frame strength and security.
- Prevent deformation of uPVC profile frame due to temperature variations.
- Providing a Rigid base and support for fixing hardware (door handles etc) and mullions.
- Controlling the deflection due to Wind pressure and Glass weight.
- Maintaining frame straightness and strength during Transportation, Installation or any Human Impact.

We Shape The Steel



Punched Section



Our Plant



Intended to serve



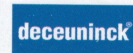
KÖMMERLING



REHAU



LG Hausys



SALAMANDER



PROMINANCE

