

Rectangular Bare Copper Tapes & Bus bars (STRIPS)

✓ INTRODUCTION:

Ram Ratna group added Bare Rectangular Copper tapes and bus bars (Strips) in the product armory. These are manufactured as per Indian as well International standards and as per the specifications given by the customers. The product is available with different required dimensions, packing and hardness's as per need for the special fields of applications. The latest technology is adopted for manufacturing to give the high quality product. The ultra modern CONFORM continuous extrusion process is adopted to get different sizes.



✓ APPLICATIONS:

The Bare rectangular Copper tapes & bus bars (Strips) are used for power distribution in control panels, as connectors in big windings, as base conductors for covering different insulating materials, as excellent earthing connectors for high rise buildings, power substations. The different shaped or profiled tapes are used in MCCB, ACB as moving contacts. The trapezoidal shaped tapes are used in rotor windings especially in auto- electrical. Special shaped bus bars are used for power switches in transmission & distribution lines.

✓ **GENERAL PROPERTIES :**

Property	Specification Values	
Elongation	32 % Minimum	
- Conductor Tolerances -		
Nominal width or thickness in mm		Tolerance \pm in mm
Over	Up to & Including	
--	3.15	0.030
3.15	6.30	0.050
6.30	12.50	0.070
12.50	16.00	0.100
Corner Radius	0.50 to 1.0mm	
Hardness	Vickers Hardness	
Annealed	40 to 65	
Half Hard	66 to 90	
Hard	91 and above	
W/T Ratio	1.4:1 MIN. – 8:1 MAX.	



✓ **SIZE RANGE :**

Width	125mm maximum
Thickness	20 mm maximum
Cross sectional area	2000 mm ² maximum

✓ **PACKINGS :**

- ❖ As sandwich coils.
- ❖ As straight lengths.
- ❖ In reels / drums.

