

**GUARANTEED TECHNICAL PARTICULARS**

<b>Sl. No.</b>	<b>Description</b>	<b>100 x 50 mm. M.S Channel</b>	<b>75 x 40 mm. M.S Channel</b>	<b>50 x 50 x 6 mm. M.S Angle</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Name of Manufacturer			
2	Dimension (mm)	100 x 50	75 x 40	50 x 50 x 6
3	Weight (Kg./mtr)	9.2	6.8	4.5
4	Section Area (Sq. mm)	11.7	8.67	5.68
5	Depth of section (mm)	100	75	50 x 50
6	Width of flange (mm)	50	40	50
7	Thickness of flange (mm)	7.5	7.3	6
8	Thickness of web (mm)	4.7	4.4	N.A
9	Corner Radius (mm)	9	4.5	6
10	Moment of Inertia. Ixx (cm <sup>4</sup> )	186.7	76	12.9
	Iyy (cm <sup>4</sup> )	24.9	12.6	12.9
11	Radius of Gyration. Rxx (cm)	4	2.96	1.51
	Ryy (cm)	1.49	1.21	1.51
12	Modules of section. Zxx (cm <sup>3</sup> )	37.3	30.3	3.6
	Zyy (cm <sup>3</sup> )	7.5	4.7	3.6
13	Tolerance	As per IS : 1852		