

GUARANTEED TECHNICAL PARTICULARS

Description	100 x 50 mm. M.S Channel	75 x 40 mm. M.S Channel	50 x 50 x 6 mm. M.S Angle
2	3	4	5
Name of Manufacturer			
Dimension (mm)	100 x 50	75 x 40	50 x 50 x 6
Weight (Kg./mtr)	9.2	6.8	4.5
Section Area (Sq. mm)	11.7	8.67	5.68
Depth of section (mm)	100	75	50 x 50
Width of flange (mm)	50	40	50
Thickness of flange (mm)	7.5	7.3	6
Thickness of web (mm)	4.7	4.4	N.A
Corner Radius (mm)	9	4.5	6
Moment of Inertia. Ixx (cm ⁴)	186.7	76	12.9
Iyy (cm ⁴)	24.9	12.6	12.9
Radius of Gyration. Rxx (cm)	4	2.96	1.51
Ryy (cm)	1.49	1.21	1.51
Modules of section. Zxx (cm ³)	37.3	30.3	3.6
Zyy (cm ³)	7.5	4.7	3.6
Tolerance	As per IS : 1852		