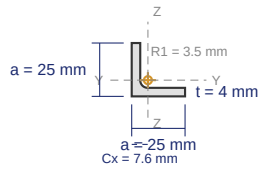
ISA 25x25x4

Indian Standard Equal Leg Angle -- IS 808 : 1989

CROSS SECTION



DIMENSIONS

Leg A	**25 mm**
Leg B	**25 mm**
Thickness (t)	**4 mm**
Root Radius (R1)	**3.5 mm**
Toe Radius (R2)	**1.5 mm**
Centroid Cx	**7.6 mm**
Centroid Cy	**7.6 mm**
Weight per Meter	**1.4 kg/m**
Cross-sectional Area	**184 mm2**

SECTIONAL PROPERTIES

Property	About X-X Axis	About Y-Y Axis
Moment of Inertia	**Ix = 7000 mm4**	**Iy = 7000 mm4**
Elastic Section Modulus	**Zx = 400 mm3**	**Zy = 400 mm3**
Radius of Gyration	**rx = 6.2 mm**	**ry = 6.2 mm**
Centroid from Heel	**Cx = 7.6 mm**	**Cy = 7.6 mm**

AVAILABLE GRADES (IS 2062 : 2011)

Grade	Yield (MPa)	UTS (MPa)	Elongation	Application
E250 (Fe 410W)	250	410	23%	General construction
E275 (Fe 440)	275	440	22%	Commercial buildings
E350 (Fe 490)	350	490	22%	Heavy industrial, bridges
E410 (Fe 540)	410	540	20%	Heavy structural, offshore

APPLICABLE STANDARDS

IS 808 : 1989	Dimensions for hot rolled steel beam, column, channel and angle sections
IS 2062 : 2011	Hot rolled medium and high tensile structural steel
IS 1852	Tolerances for hot rolled structural steel sections