STEEL IMPEX INDIA

231/235 Chouhan House, 2nd Kumbharwada Lane, Sant Sena Maharaj Marg, Mumbai, Maharashtra 400004, India | +91 95946 66986 | sanjay@steelimp.com | steelimp.com

Rectangular tube measured weight guide

Measure the tube or use the supplier's actual dimensions. The guide includes a calculation method and links to the relevant publishers.

Rectangular tube measurement checklist

Measure or confirm	Use for the estimate
Outside width A and height B	Use outside dimensions in millimetres.
Wall thickness (t)	Use the actual wall in millimetres. The wall must leave a positive opening.
Material density	Use the grade or a known density in g/cm3.
Length and quantity	Multiply kg/m by length in metres, then by the number of pieces.

Formula: kg/m = 2t x (A + B - 2t) x density ÷ 1,000
Unit: Estimated kg per metre (kg/m)
Last verified: 27 November 2026
Source: IS 4923 - structural hollow steel sections
Source: IS 18573 - mechanical and decorative carbon steel hollow sections
Confirm the size-and-wall combination, grade and mass with the supplier before ordering. The sharp-corner model can overestimate the mass of a tube with formed corners.