How thick is the angle iron for the base of a communication tower

Overview

Option A (All Q235 Mild Steel): To hold the weight of the antennas, the leg angles might need to be 200mm wide and 20mm thick. The total tower weight is 15 tons. Whether you're building a metal frame, reinforcing a structure, or designing custom supports, knowing the correct angle iron specs can make or. The most common steel grades used in mobile communication towers are Q235B (Mild Steel) for secondary bracing and Q345B/Q355B (High-Tensile Steel) for main structural legs. In international standards, these correspond to ASTM A36 and ASTM A572 Grade 50 respectively. For. Hot rolled ASTM A36 steel angle bar is the most widely used structural steel by the construction industry as its very economical cost. Structural mild A36 angles are manufactured by rolling pre-heated blooms into an angle shape. The tower transfers vertical and horizontal loads through a triangulated framework into the foundation, creating a highly efficient load path.

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