Square, Round & Rectangular Tubes — Technical Datasheet

Vikash Aluminium Extrusion Private Limited

Project-specific technical summary — confirm before order

Product category

Requirement	Data / acceptance basis
Category	Aluminium hollow sections
Alloy	6063 / 6061

Dimensions and section controls

Requirement	Data / acceptance basis
Shape	Square, round or rectangular
Wall thickness	As per approved cross-section
Cross-section	As agreed on the approved drawing
Length	Project-specific cutting tolerance
Straightness and twist	Project-specific or applicable standard
Wall eccentricity	Confirmed by profile drawing and inspection plan

Mechanical property basis

Requirement	Data / acceptance basis
Standard basis	IS 733 or project-approved standard
Basis	Applicable alloy, temper and standard
Yield strength	Confirm against order certificate
Tensile strength	Confirm against order certificate
Elongation	Confirm against order certificate

Chemical composition basis

Requirement	Data / acceptance basis
Alloy designation	Declared alloy and temper as ordered
Composition limits	Confirm against applicable standard and mill certificate
Traceability	Certificate or test record to match heat/batch and order

Dimensional tolerance basis

Requirement	Data / acceptance basis
Cross-section	As agreed on the approved drawing
Length	Project-specific cutting tolerance
Straightness and twist	Project-specific or applicable standard
Wall eccentricity	Confirmed by profile drawing and inspection plan

Surface finish options

Requirement	Data / acceptance basis
Mill finish	As extruded; appearance and handling to be agreed
Anodising	Natural or colour; thickness and class to be specified
Powder coating	RAL or project colour; film thickness and gloss to be approved
Finish inspection	Thickness, adhesion and cosmetic consistency to order requirements

Engineering notice

This datasheet summarises the current product range. It is not an engineering design calculation or a substitute for an approved drawing, material certificate or purchase specification. Dimensions, temper, mechanical properties, composition limits, tolerances and finishes must be confirmed for the applicable product standard and order. Structural suitability must be assessed by the responsible project designer.