

Steel L-Angle

● Features

Right-Angle Design: 90-degree angle shape that allows them to provide structural support, reinforcement, and stability to corners, joints, and connections.

Load-Bearing Capacity: High load-bearing capacity, making them suitable for both light and heavy-duty applications.

Corrosion Resistance: Steel alloy L-angles exhibit superior resistance to rust and corrosion, ensuring prolonged durability and longevity.

Weather Resistance: Capable of withstanding harsh environmental conditions, including exposure to rain, humidity, UV rays, and temperature fluctuations, without compromising their structural integrity.

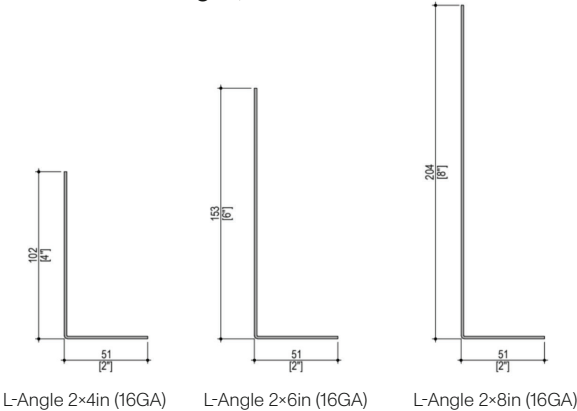
● Characteristics

Steel Alloy Type	A36 Steel Alloy: Most commonly used mild and hot rolled steel. Good welding, forming, and machining. Low cost structural steel.
Certifications	ASTM A123: Standard specification for zinc (hot-dip galvanized) coatings on iron and steel products. ASTM A653: Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.

● Mechanical Information

	Imperial	Metric
Density	0.282 lb/in ³	7.8 g/cm ³
Ultimate Tensile Strength	58,000 psi	400 MPa
Yield Tensile Strength	47,700 psi	315 MPa
Shear Strength	43,500 psi	300 MPa
Melting Point	2,590 - 2,670 °F	1,420 - 1,460 °C
Hardness Brinell	140	
Production Method	Hot rolled and/or cold formed	

● Technical Drawing



● Chemical Composition

	Percentage
Carbon (C)	0.26
Copper (Cu)	0.2
Iron (Fe)	99
Manganese (Mn)	0.75
Phosphorus (P)	0.04 max
Sulfur (S)	0.05 max

● Weight Per Linear Foot

Dimensions		14 Gauge		16 Gauge	
Imperial	Metric	Imperial	Metric	Imperial	Metric
2 × 4in	50.8 × 101.6mm	1.64lb/ft	2.44kg/m	1.32lb/ft	1.96kg/m
2 × 6in	50.8 × 152.4mm	2.19lb/ft	3.25kg/m	1.77lb/ft	2.63kg/m
2 × 8in	50.8 × 203.2mm	2.87lb/ft	4.27kg/m	2.20lb/ft	3.27kg/m
3 × 4in	76.2 × 101.6mm	1.91lb/ft	2.85kg/m	1.54lb/ft	2.29kg/m
3 × 6in	76.2 × 152.4mm	2.46lb/ft	3.66kg/m	1.99lb/ft	2.96kg/m
3 × 8in	76.2 × 203.2mm	3.16lb/ft	4.70kg/m	2.42lb/ft	3.60kg/m

● Position In The Installation System

