



MS Angle Weight Chart 2026

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Equal & Unequal Angle Sizes, Weight, Formula & Price Guide

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Free Downloadable Reference Guide | 2026 Edition



Introduction

MS Angle Weight Chart: Complete Guide

MS Angle is one of the most commonly used structural steel sections in construction, fabrication, engineering, infrastructure and industrial applications. MS Angles are available mainly in **Equal Angle** and **Unequal Angle** sections.

This MS Angle Weight Chart 2026 provides a practical reference for understanding angle sizes, thickness, weight per meter, weight per length and basic weight calculation.

The chart can help engineers, contractors, fabricators, architects, procurement teams and buyers estimate material requirements and compare MS Angle specifications.

What You Will Find in This Guide

- MS Angle sizes
- Equal Angle dimensions
- Unequal Angle dimensions
- Thickness information
- Weight per meter
- Weight per piece
- Weight calculation formula
- Approximate price calculation method
- Applications of MS Angles
- Buying considerations
- Frequently Asked Questions

Important: Actual theoretical weight may vary slightly depending on manufacturing tolerances, corner radii and applicable standards. Always verify dimensions and mill/test certificates before making a final purchase decision.

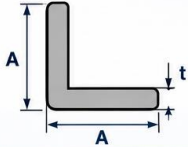
What Is an MS Angle?

EQUAL ANGLE CHART

High Strength | Versatile | Reliable



Equal Angle Section



A = Leg Size (mm)

t = Thickness (mm)

Weight = Kg/M

Complete Equal Angle Weight Chart

Size (mm)	Thickness (mm)	Weight (Kg/M)	Size (mm)	Thickness (mm)	Weight (Kg/M)
25 x 25	3	1.10	100 x 100	6	9.12
25 x 25	4	1.46	100 x 100	8	12.08
30 x 30	3	1.36	100 x 100	10	14.96
30 x 30	4	1.81	125 x 125	8	15.52
40 x 40	3	1.85	125 x 125	10	19.22
40 x 40	4	2.45	125 x 125	12	22.77
40 x 40	5	3.00	150 x 150	10	23.67
50 x 50	5	3.77	150 x 150	12	28.24
50 x 50	6	4.50	150 x 150	16	36.51
50 x 50	8	5.93	200 x 200	12	37.88
65 x 65	5	4.83	200 x 200	16	49.06
65 x 65	6	5.80	200 x 200	20	60.01
65 x 65	8	7.64	250 x 250	16	61.32
75 x 75	6	6.87	250 x 250	20	75.17
75 x 75	8	9.04	250 x 250	25	93.24
75 x 75	10	11.15	300 x 300	20	89.92
			300 x 300	25	111.70



Excellent Strength



Durable Performance



Wide Range of Sizes



Industrial Grade Quality

MS Angle means **Mild Steel Angle**, a structural steel section having two legs joined at approximately 90 degrees.

MS Angles are widely used because they offer good strength, rigidity, weldability and ease of fabrication.

There are two primary types:

1. Equal MS Angle

An Equal Angle has two legs of the same width.

Example:

50 × 50 × 5 mm

Here:

- First 50 mm = leg width
- Second 50 mm = leg width
- 5 mm = thickness

2. Unequal MS Angle

An Unequal Angle has two legs of different widths.

Example:

75 × 50 × 6 mm

Here:

- 75 mm = longer leg
- 50 mm = shorter leg
- 6 mm = thickness

Common MS Angle Applications

MS Angles are commonly used for:

- Structural frameworks
- Industrial sheds
- Supports and brackets
- Towers and structures
- Platforms
- Staircases
- Fabrication work
- Machinery supports
- Frames
- Racks

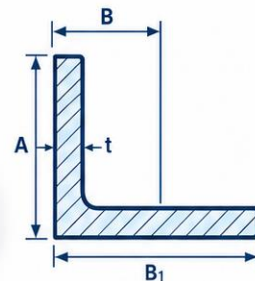
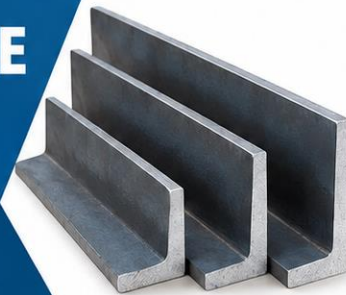
- Bridges and infrastructure
- General engineering applications

MS Equal Angle Weight Chart

MS UNEQUAL ANGLE WEIGHT CHART

(IS 2062 / IS 808)

Mild Steel (MS) Unequal Angle is widely used in structural, fabrication and engineering applications due to its high strength, durability and versatility.



A (mm)	B (mm)	B1 (mm)	t (mm)	Weight (kg/m)
25	20	30	3.0	1.80
25	20	30	4.0	2.35
30	25	40	3.0	2.28
30	25	40	4.0	3.00
40	25	50	3.0	2.85
40	25	50	4.0	3.75
40	30	60	3.0	3.34
40	30	60	4.0	4.40
50	30	60	3.0	3.75
50	30	60	4.0	4.95
50	40	70	3.0	4.36
50	40	70	4.0	5.80
65	40	80	4.0	7.10
65	50	90	5.0	9.80
75	50	100	5.0	11.20
75	65	100	5.0	12.80
90	65	120	5.0	15.40
90	75	120	6.0	18.60
100	75	130	6.0	21.50
100	90	130	6.0	24.20

A (mm)	B (mm)	B1 (mm)	t (mm)	Weight (kg/m)
110	75	140	6.0	24.80
110	90	140	8.0	32.60
125	90	150	6.0	28.80
125	100	150	8.0	38.10
150	100	180	8.0	45.30
150	125	180	10.0	58.20
175	125	200	8.0	52.70
175	150	200	10.0	68.50
200	150	230	10.0	80.30
200	175	230	12.0	101.20
225	175	250	10.0	92.40
225	200	250	12.0	116.80
250	200	280	12.0	137.40
250	225	280	16.0	180.60
300	225	330	12.0	164.20
300	250	330	16.0	216.80
350	250	380	16.0	257.40
350	300	380	20.0	324.80
400	300	430	16.0	306.20
400	350	430	20.0	389.70

Note: Weights are approximate and may vary slightly based on manufacturing standards and tolerances.

MS Equal Angle Weight Chart

2026

Size (mm)	Thickness (mm)	Approx. Weight (kg/m)
20 × 20	3	0.88
25 × 25	3	1.10
25 × 25	4	1.45
30 × 30	3	1.36
30 × 30	4	1.78
35 × 35	4	2.10
40 × 40	4	2.42
40 × 40	5	2.97
45 × 45	5	3.38
50 × 50	5	3.77
50 × 50	6	4.47
60 × 60	5	4.57
60 × 60	6	5.42
65 × 65	6	5.91
65 × 65	8	7.73
75 × 75	6	6.85
75 × 75	8	9.02
75 × 75	10	11.10
80 × 80	8	9.63
90 × 90	8	10.84
90 × 90	10	13.40
100 × 100	8	12.20
100 × 100	10	15.00
100 × 100	12	17.80
110 × 110	10	16.50
125 × 125	10	18.80
125 × 125	12	22.50
150 × 150	12	27.30
150 × 150	16	35.80

Note: Values above are approximate reference values. Actual supplied weight should be confirmed against the relevant product standard, section table and manufacturer documentation.

MS Unequal Angle Weight Chart 2026

Size (mm)	Thickness (mm)	Approx. Weight (kg/m)
40 × 25	4	1.98
50 × 30	5	3.03
60 × 40	5	3.77
65 × 45	5	4.18
75 × 40	6	5.13
75 × 50	6	5.62
80 × 40	6	5.38
90 × 60	6	7.03
100 × 50	6	7.03
100 × 75	6	8.20
100 × 75	8	10.80
125 × 75	8	12.20
125 × 75	10	15.00
150 × 75	10	17.00
150 × 100	10	19.00
150 × 100	12	22.60
200 × 100	12	27.30
200 × 150	12	33.00

Note: Unequal-angle weights are approximate reference values and should be verified against the selected standard/manufacturer's section table before procurement.

MS Angle Weight Calculation Formula

How to Calculate MS Angle Weight?

A basic theoretical calculation can be made using the cross-sectional area and steel density.

Basic Formula

$$\text{Weight per metre (kg/m)} = \text{Cross-sectional Area (mm}^2\text{)} \times 0.00785$$

For an approximate equal-angle calculation:

$$\text{Area} \approx t \times (A + B - t)$$

Where:

- A = first leg width in mm
- B = second leg width in mm
- t = thickness in mm
- 0.00785 = approximate conversion factor based on steel density

Example

For a **50 × 50 × 5 mm** equal angle:

$$\text{Area} \approx 5 \times (50 + 50 - 5)$$

$$\text{Area} \approx \mathbf{475 \text{ mm}^2}$$

$$\text{Weight} \approx 475 \times 0.00785$$

$$\text{Weight} \approx \mathbf{3.73 \text{ kg/m}}$$

The actual published theoretical weight may differ because standard section calculations can account for corner radii and section geometry.

Weight of a Full Length

$$\text{Total Weight} = \text{Weight per metre} \times \text{Length}$$

Example:

If MS Angle weight = **3.77 kg/m**

and length = **6 metres**:

$$3.77 \times 6 = 22.62 \text{ kg}$$

Therefore, approximate weight of one 6-metre piece = **22.62 kg**.

MS Angle Price Guide 2026

MS Angle Price Calculation Guide

MS Angle prices can vary according to:

- Steel grade
- Size
- Thickness
- Quantity
- Manufacturer
- Market conditions
- Location
- Freight and transportation
- GST and applicable taxes
- Surface condition
- Delivery requirements

Basic Price Formula

Material Cost = Total Weight × Price per kg

Example

Suppose:

- Total quantity = 100 pieces
- Length = 6 metres
- Weight = 3.77 kg/m
- Price = ₹X per kg

First calculate total weight:

$$3.77 \times 6 \times 100 = 2,262 \text{ kg}$$

Then:

Total Material Cost = 2,262 × ₹X

This provides a simple method for estimating the material value.

Important Price Note

MS Angle prices are market-dependent and can change frequently. The price shown on a website or PDF should therefore be clearly marked as an indicative/reference price unless it is being updated from a current supplier quotation.

For an actual purchase, confirm the latest price, stock availability, size, thickness, length, taxes and freight with the supplier.

Applications of MS Angles

CONSTRUCTION STRUCTURE

Strong Foundations for a Better Tomorrow



Applications:

-  Construction
-  Warehouses
-  Solar Structures
-  Industrial Sheds
-  Towers
-  Fabrication
-  Machinery Frames
-  Infrastructure Projects

MS Angles are used across multiple industries and projects, including:

Construction

Used for structural supports, frames, brackets and general construction work.

Fabrication

Used for manufacturing frames, supports, racks, platforms and fabricated structures.

Industrial Projects

Used in machinery structures, equipment supports, plant structures and maintenance applications.

Infrastructure

Used in structural and engineering projects where angle sections are suitable for the design.

General Engineering

Used for brackets, reinforcement, frames and custom-fabricated components.

MS Angle Buying Guide

Before purchasing MS Angles, check:

1. **Angle Type** – Equal or Unequal
2. **Size** – Leg dimensions
3. **Thickness**
4. **Length**
5. **Grade**
6. **Applicable Standard**
7. **Required Quantity**
8. **Theoretical Weight**
9. **Surface Condition**
10. **Mill/Test Certificate**, where required
11. **Delivery Location**
12. **Current Price and Taxes**

Frequently Asked Questions

1. What is an MS Angle?

MS Angle is a mild-steel structural section with two legs generally positioned at approximately 90 degrees.

2. What is the difference between Equal and Unequal Angle?

Equal Angles have two legs of the same width, while Unequal Angles have legs of different widths.

3. How is MS Angle weight calculated?

A basic theoretical calculation uses the cross-sectional area multiplied by approximately **0.00785** to obtain kg/m when area is expressed in mm².

4. What is the weight of a 50 × 50 × 5 mm MS Angle?

The approximate theoretical weight is around **3.77 kg/m**, subject to the applicable section table and manufacturing geometry.

5. What is the standard length of MS Angle?

Commercial lengths commonly include **6 metres and 12 metres**, although availability can vary by supplier, size and market.

6. How do I calculate the weight of one MS Angle piece?

Multiply the **weight per metre × length of the piece**.

7. How is MS Angle price calculated?

A basic material-cost calculation is **total weight × price per kg**. Additional costs such as GST, freight and other charges may apply.

8. Are MS Angle weight-chart values exact?

Weight-chart values should be treated as theoretical/reference values unless confirmed against the applicable standard or manufacturer's certified section data.

9. Where are MS Angles used?

They are used in construction, fabrication, structural frameworks, industrial projects, supports, platforms, racks and general engineering.

10. How can I get the latest MS Angle price?

Contact the supplier with the required **size, thickness, quantity, length and delivery location** to obtain a current quotation.

About Sachiya Steel International Pvt. Ltd.



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INTERNATIONAL PRIVATE LIMITED
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STAINLESS STEEL PRODUCTS
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High Grade Materials | Precision Manufacturing | Timely Delivery | Customer Satisfaction | Global Supply

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Building Stronger Tomorrow

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