

Wire Mesh Weight Chart - Mcneil Instruments

At **Mcneil Instruments**, we provide high-quality **wire mesh** solutions designed for diverse industrial applications. Our wire meshes are manufactured with precision, adhering to global standards, ensuring durability, and offering optimal performance. Below, you'll find detailed information on **weight charts**, specifications, and formulas to calculate wire mesh weight for your requirements.

Wire Mesh Standards and Specifications

Attributes	Details
Apertures	0.3mm and finer.
Finish	Available in rolls, cut circles, or as fabricated filters.
Construction	Woven with plain or twill weaves.
Materials	Stainless Steel, Inconel, Monel, Titanium, Phosphor Bronze, Brass, Copper, Nickel.
Applications	Filter elements, bolting cloth for screen printing, dust removal screens, chemical and pharmaceutical sieving.
Mesh Size Range	Minimum: 15 x 15 mm ² , Maximum: 150 x 150 mm ² .
Wire Diameter	Range: 1.3mm to 6.0mm.
Maximum Width	Up to 2.0 meters (custom sizes available on advanced order).

Wire Mesh Weight Chart (Welded)

Sr. No	Mesh Size (mm)	Wire Diameter (mm)	Width x Length (Feet)	Approx. Weight (Kg)
1	15 x 15	1.60	3 x 50	27-28
2	20 x 20	1.80	3 x 50	29-30
3	25 x 25	2.90	4 x 50	73-74
4	50 x 50	3.00	5 x 100	95-96
5	65 x 65	2.20	5 x 100	46-47

Wire Mesh Weight & Roll Size Chart

Roll Size	Spacing	Gauge	Wire Size	Roll Weight (lbs)	Weight per 100 sq. ft. (lbs)
5' x 150'	6 x 6	10/10	W1.4/W1.4	157	21
5' x 150'	6 x 6	6/6	W2.9/W2.9	315	42
4' x 4'	4/4	W4/W4	-	-	85

Welded Mesh Weight Formula

Roll Weight Formula:

$0.00616 \times \text{Total Length of Wire (m)} \times \text{Wire Diameter (mm)}^2$

Example:

Roll Size: 100mm x 100mm x 3.15mm (5ft x 100ft)

- Total length of wire: $(16 \times 30.48) + (305 \times 1.524) = 952.5 \text{ m}$
- Formula Calculation: $0.00616 \times 952.5 \times 3.15 \times 3.15 = 58.22 \text{ Kg}$

Wire Mesh Types with Weight Chart

Wire Mesh Type	Mesh Size (mm)	Wire Diameter (mm)	Roll Size (Feet)	Weight Range (Kg)
Square Wire Mesh	15 x 15 to 50 x 50	1.6 to 3.0	3 x 50 to 5 x 100	27 - 95
Rectangular Wire Mesh	10 x 20 to 25 x 50	1.8 to 3.2	4 x 50 to 5 x 100	30 - 85
Double Crimped Wire Mesh	20 x 20 to 50 x 50	1.5 to 3.0	3 x 50 to 5 x 100	25 - 92
Inter Crimped Wire Mesh	25 x 25 to 65 x 65	2.0 to 3.5	4 x 50 to 5 x 100	35 - 100

Stainless Steel Wire Mesh	15 x 15 to 150 x 150	1.3 to 6.0	3 x 50 to 5 x 100	27 - 120
Carbon Steel Wire Mesh	20 x 20 to 50 x 50	1.6 to 3.0	3 x 50 to 5 x 100	30 - 95
G.I. Wire Mesh	20 x 20 to 65 x 65	1.5 to 3.5	3 x 50 to 5 x 100	28 - 100
MS Wire Mesh	15 x 15 to 50 x 50	1.3 to 6.0	4 x 50 to 5 x 100	27 - 115
Spring Steel HCHT Wire Mesh	15 x 15 to 30 x 30	2.0 to 4.0	3 x 50 to 5 x 100	40 - 120
Plain Weave Wire Mesh	15 x 15 to 150 x 150	1.3 to 6.0	3 x 50 to 5 x 100	25 - 120
Dutch Weave Wire Mesh	15 x 30 to 50 x 100	1.3 to 3.5	3 x 50 to 5 x 100	40 - 110
Welded Mesh	15 x 15 to 100 x 100	1.6 to 4.0	3 x 50 to 5 x 100	27 - 150
Woven Wire Mesh	20 x 20 to 100 x 100	1.5 to 3.5	3 x 50 to 5 x 100	30 - 120
Inconel Wire Mesh	25 x 25 to 150 x 150	1.3 to 3.0	3 x 50 to 5 x 100	40 - 100
Copper Wire Mesh	15 x 15 to 50 x 50	1.5 to 3.0	3 x 50 to 5 x 100	35 - 95
Brass Wire Mesh	20 x 20 to 100 x 100	1.3 to 3.5	3 x 50 to 5 x 100	25 - 115

Plastic Wire Mesh	15 x 15 to 50 x 50	1.5 to 3.0	4 x 50 to 5 x 100	20 - 80
Nylon Wire Mesh	20 x 20 to 50 x 50	1.0 to 2.5	4 x 50 to 5 x 100	15 - 70
Aluminium Wire Mesh	15 x 15 to 50 x 50	1.0 to 3.0	4 x 50 to 5 x 100	15 - 90
HDPE Wire Mesh	15 x 15 to 50 x 50	1.5 to 3.0	4 x 50 to 5 x 100	20 - 85
Mosquito Wire Mesh	15 x 15 to 50 x 50	1.0 to 1.5	3 x 50 to 5 x 100	10 - 50
Filter Wire Mesh	15 x 15 to 150 x 150	1.3 to 3.0	3 x 50 to 5 x 100	25 - 95
SS 304 Wire Mesh	15 x 15 to 150 x 150	1.3 to 6.0	3 x 50 to 5 x 100	27 - 120
SS 316 Wire Mesh	15 x 15 to 150 x 150	1.3 to 6.0	3 x 50 to 5 x 100	27 - 125
Fine Mesh	100 x 100 to 150 x 150	1.0 to 2.5	3 x 50 to 5 x 100	20 - 80