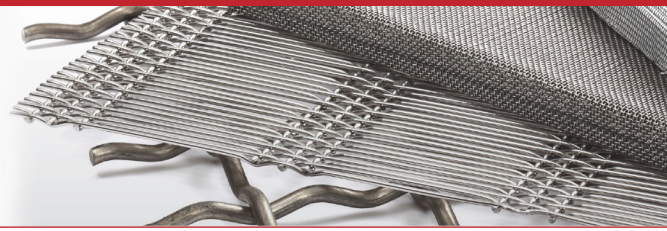


# Wire Mesh Conversion Factors

## Calculations For Your Application



### Width Of Opening

The width of opening of industrial wire cloth should be determined by the following formula:

$$\text{Width of opening} = (1 - \text{DM}/\text{M})$$

(D) Wire diameter

(M) Mesh Count

### % Open Area

The percentage of open area of industrial wire cloth, except space cloth (indicated below), should be determined by the following formula:

$$\text{Percentage of open area} = (\text{OM})^2 \times 100$$

(O) Size of opening

(M) Mesh Count

### % Open Area – Space Cloth

The percentage of open area for space cloth should be determined by the following formula:

$$\text{Percentage of open area} = [\text{O} / (\text{O} + \text{D})]^2 \times 100$$

(O) Size of opening

(D) Wire Diameter

### Calculating Weight Of Wire Mesh

Use these conversion factors to calculate the weight of any mesh in alternate alloys shown in the product tables as Stainless Steel.

Metal	Factors
High Brass (70/30)	107.67
Commercial Bronze (90/10)	111.16
Phosphor Bronze	112.00
Plain Steel	99.03
Pure Nickel	111.75
Aluminum	33.84

### Fractions To Decimals To Metric

Fraction of Inch	Decimal of Inch	Millimeters	Fraction of Inch	Decimal of Inch	Millimeters
1/64	.0156	.397	33/64	.5156	13.097
1/32	.0313	.794	17/32	.5313	13.494
3/64	.0469	1.191	35/64	.5469	13.891
1/16	.0625	1.588	9/16	.5625	14.288
5/64	.0781	1.984	37/64	.5781	14.684
3/32	.0938	2.381	19/32	.5938	15.081
7/64	.1094	2.778	39/64	.6094	15.478
1/8	.1250	3.175	5/8	.6250	15.875
9/64	.1406	3.572	41/64	.6406	16.272
5/32	.1562	3.969	21/32	.6563	16.669
11/64	.1719	4.366	43/64	.6719	17.066
3/16	.1875	4.763	11/16	.6875	17.463
13/64	.2031	5.159	45/64	.7031	17.859
7/32	.2188	5.556	23/32	.7188	18.256
15/64	.2344	5.953	47/64	.7344	18.653
1/4	.2500	6.350	3/4	.7500	19.050
17/64	.2656	6.747	49/64	.7656	19.447
9/32	.2813	7.144	25/32	.7813	19.844
19/64	.2969	7.541	51/64	.7969	20.241
5/16	.3125	7.938	13/16	.8125	20.638
21/64	.3281	8.334	53/64	.8281	21.034
11/32	.3438	8.731	27/32	.8438	21.431
23/64	.3594	9.128	55/64	.8594	21.828
3/8	.3750	9.525	7/8	.8750	22.225
29/64	.4531	11.509	61/64	.9531	24.209
15/32	.4688	11.906	31/32	.9688	24.606
31/64	.4844	12.303	63/64	.9844	25.003
1/2	.5000	12.700	1"	1.0000	25.400

To convert a fraction to millimeters, determine its decimal equivalent and then multiply the decimal by 25.4