

# METRIC CONVERSIONS

## FRACTIONAL, DECIMAL AND METRIC EQUIVALENTS

| Fraction Of Inch | Decimal Of Inch | Millimeters | Fraction Of Inch | Decimal of Inch | Millimeters |
|------------------|-----------------|-------------|------------------|-----------------|-------------|
| 1/64             | .015625         | 0.3969      | 33/64            | .515625         | 13.0969     |
| 1/32             | .03125          | 0.7938      | 17/32            | .53125          | 13.4938     |
| 3/64             | .046875         | 1.1906      | 35/64            | .546875         | 13.8906     |
| 1/16             | .0625           | 1.5875      | 9/16             | .5625           | 14.2875     |
| 5/64             | .078125         | 1.9844      | 37/64            | .578125         | 14.6844     |
| 3/32             | .09375          | 2.3812      | 19/32            | .59375          | 15.0812     |
| 7/64             | .109375         | 2.7781      | 39/64            | .609375         | 15.4781     |
| 1/8              | .125            | 3.1750      | 5/8              | .625            | 15.8750     |
| 9/64             | .140625         | 3.5719      | 41/64            | .640625         | 16.2719     |
| 5/32             | .15625          | 3.9688      | 21/32            | .65625          | 16.6688     |
| 11/64            | .171875         | 4.3656      | 43/64            | .671875         | 17.0656     |
| 3/16             | .1875           | 4.7625      | 11/16            | .6875           | 17.4625     |
| 13/64            | .203125         | 5.1594      | 45/64            | .703125         | 17.8594     |
| 7/32             | .21875          | 5.5562      | 23/32            | .71875          | 18.2562     |
| 15/64            | .234375         | 5.9531      | 47/64            | .734375         | 18.6531     |
| 1/4              | .250            | 6.3500      | 3/4              | .750            | 19.0500     |
| 17/64            | .265625         | 6.7469      | 49/64            | .765625         | 19.4469     |
| 9/32             | .28125          | 7.1438      | 25/32            | .78125          | 19.8438     |
| 19/64            | .296875         | 7.5406      | 51/64            | .796875         | 20.2406     |
| 5/16             | .3125           | 7.9375      | 13/16            | .8125           | 20.6375     |
| 21/64            | .328125         | 8.3344      | 53/64            | .828125         | 21.0344     |
| 11/32            | .34375          | 8.7312      | 27/32            | .843750         | 21.4312     |
| 23/64            | .359375         | 9.1281      | 55/64            | .859375         | 21.8281     |
| 3/8              | .375            | 9.5250      | 7/8              | .875            | 22.2250     |
| 25/64            | .390625         | 9.9219      | 57/64            | .890625         | 22.6219     |
| 13/32            | .40625          | 10.3188     | 29/32            | .90625          | 23.0188     |
| 27/64            | .421875         | 10.7156     | 59/64            | .921875         | 23.4156     |
| 7/16             | .4375           | 11.1125     | 15/16            | .9375           | 23.8125     |
| 29/64            | .453125         | 11.5094     | 61/64            | .953125         | 24.2094     |
| 15/32            | .46875          | 11.9062     | 31/32            | .96875          | 24.6062     |
| 31/64            | .484375         | 12.3031     | 63/64            | .984375         | 25.0031     |
| 1/2              | .500            | 12.7000     | 1.000            | 1.0000          | 25.4000     |

**METRIC SIZE x .03937 = DECIMAL EQUIVALENT**  
**DECIMAL SIZE x 25.4 = METRIC (mm) EQUIVALENT**

## MILLIMETER PITCH TO THREADS PER INCH METRIC PITCH CONVERSIONS

| Pitch In Millimeters | Pitch In Inches | Threads Per In. | Basic Height | Pitch In Millimeters | Pitch In Inches | Threads Per In. | Basic Height |
|----------------------|-----------------|-----------------|--------------|----------------------|-----------------|-----------------|--------------|
| .25                  | .00984          | 101.6000        | .00639       | 1.25                 | .04921          | 20.3211         | .03196       |
| .30                  | .01181          | 84.6668         | .00767       | 1.50                 | .05906          | 16.9316         | .03836       |
| .35                  | .01378          | 72.5689         | .00895       | 1.75                 | .06890          | 14.5138         | .04475       |
| .40                  | .01575          | 63.4921         | .01023       | 2.00                 | .07874          | 12.7000         | .05114       |
| .45                  | .01772          | 56.4334         | .01151       | 2.50                 | .09843          | 10.1595         | .06393       |
| .50                  | .01969          | 50.8000         | .01279       | 3.00                 | .11811          | 8.4667          | .07671       |
| .60                  | .02362          | 42.3370         | .01534       | 3.50                 | .13780          | 7.2569          | .08950       |
| .70                  | .02756          | 36.2845         | .01790       | 4.00                 | .15748          | 6.3500          | .10229       |
| .75                  | .02953          | 33.8639         | .01918       | 4.50                 | .17717          | 5.6443          | .11508       |
| .80                  | .03150          | 31.7460         | .02046       | 5.00                 | .19685          | 5.0800          | .12785       |
| .90                  | .03543          | 28.2247         | .02301       | 6.00                 | .23622          | 4.2333          | .15344       |
| 1.00                 | .03937          | 25.4000         | .02557       |                      |                 |                 |              |