

Appendix

Conversion Table U.S. Standard Measure to SI Metric

| TO CONVERT | FROM U.S. STANDARD UNIT | TO SI METRIC UNIT | MULTIPLY BY |
|-------------------|----------------------------|-----------------------|----------------|
| Length | inch | millimeter | 25.4 |
| | linear foot | millimeter | 304.8 |
| | linear foot | meter | 0.3048 |
| | station | meter | 30.48 |
| | station | 40 meter unit | 0.762 |
| | mile | kilometer | 1.609344 |
| Area | square inch | square millimeter | 645.16 |
| | square foot | square meter | 0.092903 |
| | square yard | square meter | 0.836127 |
| | acre | square meter | 4046.87 |
| | acre | hectare | 0.404687 |
| Volume | fluid ounce | millimeter | 29.57353 |
| | gallon | liter | 3.785412 |
| | 1000 gallons | kiloliter | 2.785412 |
| | cubic foot | cubic meter | 0.028317 |
| | cubic yard | cubic meter | 0.764555 |
| | 1000 board feet | cubic meter | 2.359737 |
| Weight | ounce | gram | 28.350 |
| | pound | kilogram | 0.453592 |
| | hundredweight | kilogram | 45.359237 |
| | ton | megagram | 0.907185 |
| Wt./unit length | pound/linear foot | kilogram/meter | 1.48816 |
| Wt./unit area | pound/square foot | kilogram/square meter | 4.88243 |
| Density | pound/cubic foot | kilogram/cubic meter | 16.0185 |
| Force | pound | newton | 4.44822 |
| Force/unit length | pound/linear foot | newton/meter | 14,5939 |
| Work | foot pound force | joule | 1.35582 |
| Pressure | pound/square foot | pascal | 47.8803 |
| | kip/square foot | kilopascal | 47.8803 |
| | pound/square inch | kilopascal | 6.89476 |
| | kip/square inch | megapascal | 6.89476 |
| Temperature | degree fahrenheit | degree celsius | (F-32)x5/9 |
| Bending moment | foot pound | newton meter | 1.35582 |
| Plane angle | degree | degree | 1 |
| Electrical | ampere | ampere | 1 |
| | volt | volt | 1 |
| | watt | watt | 1 |
| Illuminance | footcandle | lux | 10.7639 |
| Miscellaneous: | | | |
| Clear/grub | inch diameter | 25 mm diameter unit | 1.016 |
| Hauling | cubic yard mile | cubic meter kilometer | 1.230432 |
| Overhaul | yard mile | cubic meter kilometer | 1.230432 |
| Speed | mile/hour | kilometer/hour | 1.609344 |

Appendix

Standard Sieve Sizes

| U.S. STANDARD | SI METRIC |
|---------------|----------------------------|
| 5 inch | 125 millimeters |
| 3 inch | 75 millimeters |
| 2 inch | 50 millimeters |
| 1 1/2 inch | 37.5 millimeters |
| 1 inch | 25.0 millimeters |
| 3/4 inch | 19.0 millimeters |
| 1/2 inch | 12.5 millimeters |
| 3/8 inch | 9.5 millimeters |
| No. 4 | 4.75 millimeters |
| No. 8 | 2.36 millimeters |
| No. 10 | 2.00 millimeters |
| No. 16 | 1.18 millimeters |
| No. 30 | 600 microns ^[1] |
| No. 40 | 425 microns |
| No. 50 | 300 microns |
| No. 100 | 150 microns |
| No. 200 | 75 microns |
| No. 325 | 45 microns |

^[1] 1 micron = 1/1000 millimeter

Bid Item Unit Abbreviations

| | | | |
|------|-------------------------|------|------------------|
| ACRE | acre | MGAL | 1000 gallon unit |
| AD | arrow day | MI | mile |
| BBL | barrel | MKFT | board foot |
| BD | board day | MON | month |
| CD | calendar day | NONE | none |
| CF | cubic foot | OZ | ounce |
| CWT | hundredweight | PD | person day |
| CY | cubic yard | PH | person hour |
| CYMI | cubic yard mile | PR | pair |
| DAY | day | SACK | sack |
| DD | drum day | SD | sign day |
| DOL | dollar | SF | square foot |
| EACH | each | STA | station |
| FA | Fuel cost adjustments | STYD | station yard |
| GAL | gallon | SY | square yard |
| HRS | hours | TD | ton day |
| ID | Inch diameter | TM | ton mile |
| LB | pound | TON | ton |
| LF | linear foot | TF | track foot |
| LM | linear mile | VF | vertical feet |
| LOT | lot | WD | working day |
| LS | lump sum | WK | week |
| MBM | 1000 foot board measure | YDMI | yard mile |