STEEL MANUFACTURING & WAREHOUSE COMPANY

| | Hot Rolled, Hot Rolled P&O, Cold Rolled | | | | | | | Galvanized & Galvannealed | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dec. Equiv. | Tolerance Range (in) | | | | Dec. Equiv. | | Dec. Equiv. | Tolerance Range (in) | | Dec. Equiv. | |
| Gauge No. | In | Hot Rolled & P&O | | Cold Rolled | | mm | lbs per Sq. Ft. | In | Galvanized & Galvannealed | | mm | lbs per Sq. Ft. |
| | | Min | Max | Min | Max | | | | Min | Max | | |
| 7 | 0.1793 | 0.1713 | 0.1873 | | | 4.554 | 7.500 | | | | | |
| 8 | 0.1644 | 0.1564 | 0.1724 | | | 4.176 | 6.875 | 0.1681 | 0.1591 | 0.1771 | 4.270 | 6.900 |
| 9 | 0.1495 | 0.1415 | 0.1575 | | | 3.797 | 6.250 | 0.1532 | 0.1442 | 0.1622 | 3.891 | 6.405 |
| 10 | 0.1345 | 0.1265 | 0.1425 | 0.1285 | 0.1405 | 3.416 | 5.625 | 0.1382 | 0.1292 | 0.1472 | 3.510 | 5.781 |
| 11 | 0.1196 | 0.1116 | 0.1276 | 0.1136 | 0.1256 | 3.038 | 5.000 | 0.1233 | 0.1143 | 0.1323 | 3.132 | 5.156 |
| 12 | 0.1046 | 0.0966 | 0.1126 | 0.0986 | 0.1106 | 2.657 | 4.375 | 0.1084 | 0.0994 | 0.1174 | 2.753 | 4.531 |
| 13 | 0.0897 | 0.0827 | 0.0967 | 0.0847 | 0.0947 | 2.278 | 3.750 | 0.0934 | 0.0854 | 0.1014 | 2.372 | 3.906 |
| 14 | 0.0747 | 0.0677 | 0.0817 | 0.0697 | 0.0797 | 1.897 | 3.125 | 0.0785 | 0.0705 | 0.0865 | 1.994 | 3.281 |
| 15 | 0.0673 | 0.0613 | 0.0733 | 0.0623 | 0.0723 | 1.709 | 2.813 | 0.0710 | 0.0650 | 0.0770 | 1.803 | 2.969 |
| 16 | 0.0598 | 0.0538 | 0.0658 | 0.0548 | 0.0648 | 1.519 | 2.500 | 0.0635 | 0.0575 | 0.0695 | 1.613 | 2.656 |
| 17 | 0.0538 | 0.0478 | 0.0598 | 0.0498 | 0.0548 | 1.367 | 2.250 | 0.0575 | 0.0525 | 0.0625 | 1.461 | 2.406 |
| 18 | 0.0478 | 0.0428 | 0.0528 | 0.0438 | 0.0518 | 1.214 | 2.000 | 0.0516 | 0.0466 | 0.0566 | 1.311 | 2.156 |
| 19 | 0.0418 | | | 0.0378 | 0.0458 | 1.062 | 1.750 | 0.0456 | 0.0406 | 0.0506 | 1.158 | 1.906 |
| 20 | 0.0359 | | | 0.0329 | 0.0389 | 0.912 | 1.500 | 0.0396 | 0.0356 | 0.0436 | 1.006 | 1.656 |
| 21 | 0.0329 | | | 0.0299 | 0.0359 | 0.836 | 1.375 | 0.0366 | 0.0326 | 0.0406 | 0.930 | 1.531 |
| 22 | 0.0299 | | | 0.0269 | 0.0329 | 0.759 | 1.250 | 0.0336 | 0.0296 | 0.0376 | 0.853 | 1.406 |
| 23 | 0.0269 | | | 0.0239 | 0.0299 | 0.683 | 1.125 | 0.0306 | 0.0266 | 0.0346 | 0.777 | 1.281 |
| 24 | 0.0239 | | | 0.0209 | 0.0269 | 0.607 | 1.000 | 0.0276 | 0.0236 | 0.0316 | 0.701 | 1.156 |
| 25 | 0.0209 | | | 0.0179 | 0.0239 | 0.531 | 0.875 | 0.0247 | 0.0217 | 0.0287 | 0.627 | 1.031 |
| 26 | 0.0179 | | | 0.0159 | 0.0199 | 0.455 | 0.750 | 0.0217 | 0.0187 | 0.0247 | 0.551 | 0.906 |
| 27 | 0.0164 | | | 0.0144 | 0.0184 | 0.417 | 0.688 | 0.0202 | 0.0172 | 0.0232 | 0.513 | 0.844 |
| 28 | 0.0149 | | | 0.0129 | 0.0169 | 0.378 | 0.625 | 0.0187 | 0.0157 | 0.0217 | 0.475 | 0.781 |

Based upon Steel Density of .2904 lbs./cubic inch.

| Stainless Steel | | | | |
|---|---|---|---|---|
| Thickness Tolerance Ranges | | | | |
| Gauge No. | Decimal Equivalent | Tolerances (Plus/Minus) | Pounds Per Sq. Ft. | |
| | | | 300 Series | 400 Series |
| 7 | .1875 | .007 | 7.90 | 7.76 |
| 8 | .165 | .007 | 6.93 | 6.81 |
| 10 | .135 | .005 | 5.67 | 5.57 |
| 11 | .120 | .005 | 5.04 | 4.95 |
| 12 | .105 | .004 | 4.41 | 4.33 |
| 13 | .090 | .004 | 3.78 | 3.71 |
| 14 | .075 | .003 | 3.15 | 3.09 |
| 16 | .060 | .003 | 2.52 | 2.48 |
| 18 | .048 | .003 | 2.02 | 1.98 |
| 19 | .042 | .0025 | 1.76 | 1.73 |
| 20 | .036 | .002 | 1.51 | 1.49 |
| 22 | .030 | .002 | 1.26 | 1.24 |
| 24 | .024 | .002 | 1.01 | .990 |
| 26 | .018 | .0015 | .756 | .743 |
| 28 | .015 | .001 | .630 | .619 |

| Aluminum | | | | | |
|---|---|---|---|---|---|
| Thickness Tolerance Ranges | | | | | |
| Thickness | Pounds Per Sq. Ft. | | Thickness Tolerances (Plus/Minus) | | |
| | 3003-H14 | 5052-H32 | 36" Wide | 48" Wide | 60" Wide |
| .025 | 0.356 | 0.349 | .0015 | .0020 | .0030 |
| .032 | 0.456 | 0.447 | .0020 | .0025 | .0035 |
| .040 | 0.570 | 0.559 | .0025 | .0035 | .0045 |
| .050 | 0.713 | 0.698 | .0030 | .0035 | .0050 |
| .063 | 0.898 | 0.88 | .0030 | .0035 | .0050 |
| .080 | 1.140 | 1.117 | .0035 | .0045 | .0060 |
| .090 | 1.283 | 1.257 | .0035 | .0045 | .0060 |
| .100 | 1.462 | 1.397 | .0045 | .0060 | .0070 |
| .125 | 1.782 | 1.746 | .0045 | .0060 | .0070 |
| .190 | 2.709 | 2.654 | .0070 | .0090 | .0110 |
| .250 | 3.564 | 3.492 | .0120 | 0.140 | .0150 |

STEEL MANUFACTURING & WAREHOUSE COMPANY

## CONTACT


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