



APPROVED

ENGINEERING SPECIFICATIONS OR INSTRUCTIONS

ESN-0048

METRIC PLATE AND SHEET THICKNESS SUBSTITUTION

| Gauge/ Thickness | Inches | Standard Metric Plate Thickness [mm] | Inch Equivalent | Preferred Size |
|---------------------|---------------|--|-----------------|-------------------|
| 1 1/2 | 1.5000 | 38.0 | 1.4961 | YES |
| 1 3/8 | 1.3750 | 36.0 | 1.4173 | |
| 1 1/4 | 1.2500 | 32.0 | 1.2598 | YES |
| 1 | 1.0000 | 26.0 | 1.0236 | YES |
| 7/8 | 0.8750 | 22.0 | 0.8661 | YES |
| 3/4 | 0.7500 | 20.0 | 0.7874 | YES |
| | | 19.0 | 0.7480 | |
| | | 18.0 | 0.7087 | |
| 5/8 | 0.6250 | 16.0 | 0.6299 | YES |
| | | 14.0 | 0.5512 | YES |
| 1/2 | 0.5000 | 12.0 | 0.4724 | YES |
| 3/8 | 0.3750 | 10.0 | 0.3937 | YES |
| 5/16 | 0.3125 | 8.0 | 0.3150 | YES |
| | | 7.0 | 0.2756 | |
| | | 6.5 | 0.2362 | |
| 1/4 | 0.2500 | 6.0 | 0.2362 | YES |
| | | 5.5 | 0.2165 | YES |
| 3/16 | 0.1875 | 5.0 | 0.1969 | |
| 7ga | 0.1793 | 4.5 | 0.1772 | YES |
| 8ga | 0.1644 | 4.0 | 0.1575 | |
| | | 3.8 | 0.1496 | YES |
| 10ga | 0.1345 | 3.5 | 0.1378 | YES |
| 1/8 | | 3.2 | 0.1260 | YES |
| 11ga | 0.1196 | 3.0 | 0.1181 | YES |
| | | 2.8 | 0.1102 | YES |
| 12ga | 0.1046 | 2.5 | 0.0984 | YES |
| 13ga | 0.0897 | 2.2 | 0.0866 | |
| 14ga | 0.0747 | 2.0 | 0.0787 | YES |
| 15ga | 0.0673 | 1.8 | 0.0709 | YES |
| 16ga/18ga | 0.0598/0.0478 | 1.6 | 0.0630 | YES |
| | | 1.5 | 0.0591 | YES |
| | | 1.4 | 0.0551 | YES |
| | | 1.2 | 0.0472 | YES |
| | | 1.0 | 0.0394 | |
| 20ga | 0.0359 | 0.9 | 0.0354 | |
| 22ga | 0.0299 | 0.8 | 0.0315 | |
| | | 0.7 | 0.0276 | |
| 24ga | 0.0239 | 0.6 | 0.0236 | |
| 26ga | 0.0179 | 0.5 | 0.0197 | |

FOR MATERIAL THICKNESS TOLERANCES REFERENCE:

ASTM A6/A 6M Standard Specification for Rolled Structural Steel Bars and Plates

ASTM A109/A 109M Standard Specification for Steel

ISO 10029

ISO 10131