

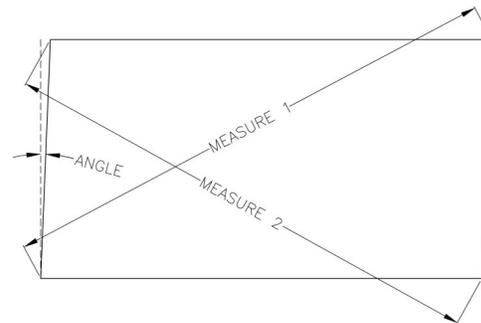


Squareness Tolerances

Technical Resources—Perforated Metal Standards

The length and width of a sheet may measure correctly, but sometimes the sheet is not square. A square sheet has perfect 90° angles in each of the four corners. To check the squareness of a sheet without measuring the angles, diagonal measurements can be used. The amount a sheet is out of square is the difference between diagonal measurements divided by two.

Example: If one diagonal measures 84.75", and the other diagonal measures 84.50", then the sheet is said to be .125" out of square.



TOLERANCE OF RESQUARED SHEETS AND PLATE UP TO 72"

Thickness Range	Max Tolerance Out of Square	Difference of Diagonal Measure
30—20 GA Sheets	1/32"	1/16"
19—16 GA Sheets	1/16"	1/8"
15—12 GA Sheets	3/32"	3/16"
11—7 GA Sheets	3/16"	3/8"
3/16" — 3/8" Plate	1/4"	1/2"
3/8" — 5/8" Plate	3/8"	3/4"
5/8" — 1" Plate	3/4"	1 1/2"

TOLERANCE OF RESQUARED SHEETS AND PLATE UP TO 120"

Thickness Range	Max Tolerance Out of Square	Difference of Diagonal Measure
30—20 GA Sheets	1/16"	1/8"
19—16 GA Sheets	1/8"	1/4"
15—12 GA Sheets	3/16"	3/8"
11—7 GA Sheets	3/8"	3/4"
3/16" — 3/8" Plate	1/2"	1"
3/8" — 5/8" Plate	3/4"	1 1/2"
5/8" — 1" Plate	1 1/2"	3"

For perforated sheets or plates over 120", contact your Hendrick sales representative.