

Aluminum Plate tolerances for plate saw cutting

Standard Tolerances

0 – 15" = +.125" – 0 or +/- .063

15.5" – 41" = +.250 – 0 or +/- .125

Minimum cut width for all standard cut plate is .75"

Precision Tolerances

.090" – 5" = +.010 - 0 or +/- .005

5.5" – 8" = +.020 – 0 or +/- .010

8.5" – 10" = +.040 or +/- .020

Minimum cut Width for all precision cut plate is .75"

Aluminum Plate Circle Cutting Tolerances

1/8" – 7.5" Thick up to 84" O.D. = +.125 – 0 or +/- .063

8" – 13.5" thick up to 60" O.D. = +.25 – 0 or +/- .125

14" – 16" thick up to 60" O.D. = +.375 – 0 OR +/- .188

1/8" – 7.5" Thick from 3" to 60" I.D. = -.125 + 0 or +/- .063

8" to 13.5" Thick from 3" to 55" I.D. = -.25 + 0 or +/- .125

14" to 16" Thick from 4" to 55" I.D. = -.375 + 0 or +/- .188

Aluminum Bar and Rod Cutting Tolerances

Standard tolerances

Rod from 0" – 15" Dia. = +.125 – 0 or +/- .063

Rod from 15.5" up to 28" Dia. = +.25 or +/- .125

Bar from 0" up to 10" Sq. = +.125 – 0 or +/- .063

Minimum cut width on any rod or bar is .75"

Precision Tolerances

Rod from 0" – 5.5" Dia. = +.010 – 0 or +/- .005

Rod from 6" – 7" Dia. = +.020 – 0 or +/- .010

Any Rod over 7" Dia. Must be standard tolerance

Bar from 0" – 5" = +.010 – 0 or +/- .005

Bar from 5.5" to 8" sq. = +.020 – 0 or +/- .010

All Steel bar cutting is standard tolerance of +.125 – 0 or +/- .063

Shear Cutting Capabilities

Standard Tolerances

All aluminum and steel sheet from .0178" - .25" = +.125 – 0 or +/- .063

72.5" x 144.5" Max Dimensions

Precision Tolerances

.0178" - .135" Thick up to 60" x 60" sq. = +.030 – 0 or +/- .020

Anything over 60" x 60" sq. will be best effort only on tolerance

Minimum cut width of any pc. is .82"

Maximum length of any pc. is 192"