Round Head Rivet Size Chart & Formulas



Nominal Size or Basic Shank Diameter	D Shank Diameter Min/Max	A Head Diameter Min/Max	H Head Height Min/Max
5/32 (0.156)	0.152/0.158	0.268/0.290	0.110/0.124
3/16 (0.188)	0.182/0.191	0.322/0.348	0.133/0.147
1/4 (0.250)	0.244/0.253	0.430/0.436	0.180/0.196
9/32 (0.281)	0.273/0.285	0.484/0.518	0.202/0.220
5/16 (0.312)	0.304/0.316	0.538/0.572	0.225/0.243
3/8 (0.375)	0.365/0.380	0.646/0.684	0.271/0.291
7/16 (0.438)	0.428/0.443	0.754/0.798	0.317/0.339
1/2 (0.500)	0.478/0.520	0.844/0.938	0.375/0.406
5/8 (0.625)	0.600/0.655	1.063/1.157	0.469/0.500
3/4 (0.750)	0.725/0.780	1.281/1.390	0.562/0.593
7/8 (0.875)	0.850/0.905	1.500/1.609	0.656/0.687

Formulas (approximate):

Head Diameter = 1.725 x Shank Diameter

Head Height = 0.750 x Shank Diameter

"Cinch length" = Thickness of material + 1.5 times the diameter of the rivet.

For example, if you want to join two sheets of metal, each 1/8" (0.125") thick and you plan to use a 3/8" (0.375") rivet, here are the basic steps to determine the proper length of rivet needed:

Material = $0.125 \times 2 = 0.25$

Diameter x $1.50 = 0.375 \times 1.5 = .5625$

Length needed: $0.25 \times .5625 = 0.8125$

From here you will need to figure out the closest fraction equivalent. I used this chart to find that 0.8125 = 13/16. We don't sell a 13/16 length but we do sell a 3/4!

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