



# **Rivet Dimensions Formulas**

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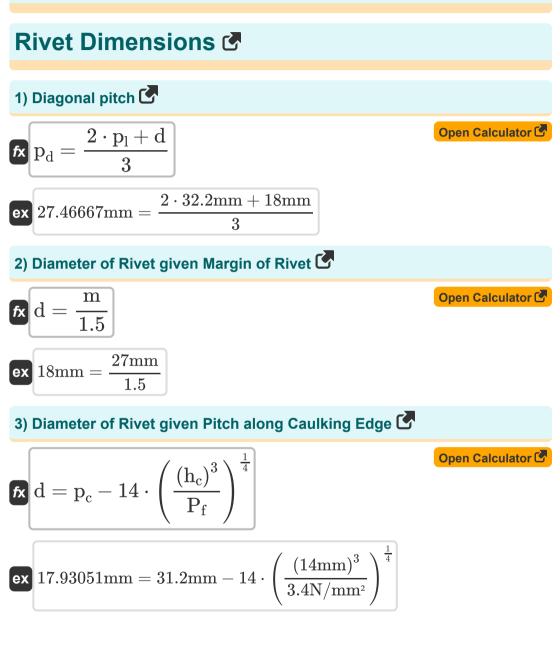
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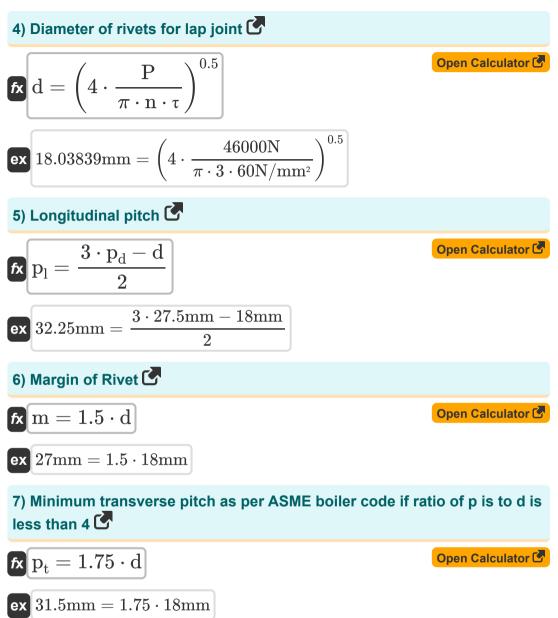
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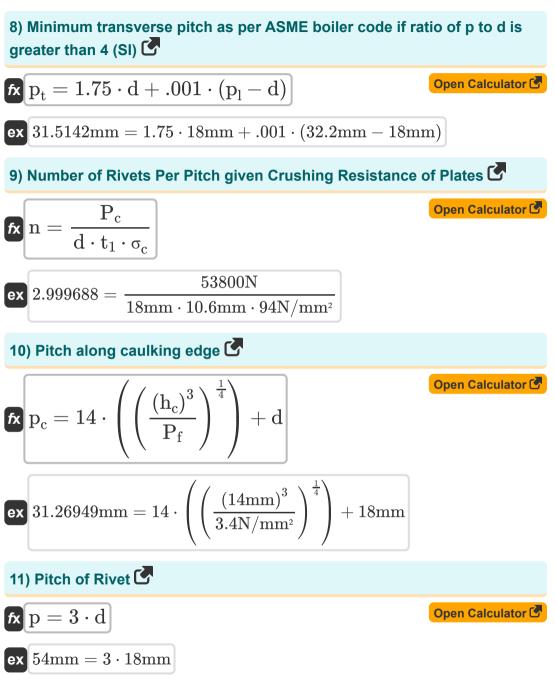
## **List of 16 Rivet Dimensions Formulas**





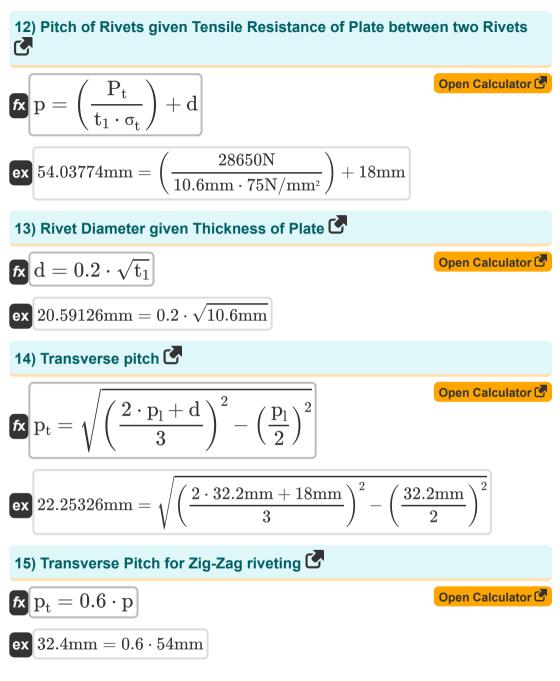














#### 16) Transverse Pitch of Rivet Chain Riveting 🕑

fx 
$$\mathbf{p}_{\mathrm{t}}=0.8\cdot\mathbf{p}$$
 Open Calculator C

 $ex 43.2mm = 0.8 \cdot 54mm$ 



### Variables Used

- **d** Diameter of Rivet (*Millimeter*)
- **h**<sub>c</sub> Riveted Joint Cover Plate Thickness (*Millimeter*)
- **m** Margin of Rivet (Millimeter)
- **n** Rivets Per Pitch
- p Pitch of Rivet (Millimeter)
- P Tensile Force on Riveted Plates (Newton)
- **p**<sub>c</sub> Pitch Along Caulking Edge (*Millimeter*)
- **P**<sub>c</sub> Crushing Resistance of Riveted Plate per Pitch (*Newton*)
- **p**d Diagonal Pitch of Rivet Joint (*Millimeter*)
- **P**f Intensity of Fluid Pressure (Newton per Square Millimeter)
- **p** Longitudinal Pitch of Rivet Joint (Millimeter)
- **p**t Transverse Pitch of Rivet (Millimeter)
- Pt Tensile Resistance of Plate Per Rivet Pitch (Newton)
- t<sub>1</sub> Thickness of Plate 1 of Riveted Joint (Millimeter)
- σ<sub>c</sub> Permissible Compressive Stress of Riveted Plate (Newton per Square Millimeter)
- σ<sub>t</sub> Tensile Stress in Riveted Plate (Newton per Square Millimeter)
- T Permissible Shear Stress for Rivet (Newton per Square Millimeter)



### **Constants, Functions, Measurements used**

- Constant: pi, 3.14159265358979323846264338327950288 Archimedes' constant
- Function: sqrt, sqrt(Number) A square root function is a function that takes a non-negative number as an input and returns the square root of the given input number.
- Measurement: Length in Millimeter (mm) Length Unit Conversion
- Measurement: Pressure in Newton per Square Millimeter (N/mm<sup>2</sup>) Pressure Unit Conversion
- Measurement: Force in Newton (N) Force Unit Conversion

## Check other formula lists

Rivet Dimensions Formulas

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