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Titanium Weight Calculation Formulas

Lbs/Cu Inch = 0.163

Rounds (all dims in inches)

Lbs per linear inch - $0.1281 \times \text{dia}^2$

Lbs per pc - $0.128 \times \text{dia}^2 \times \text{Length}$

Rectangles/Squares (all dims in inches)

Weight per piece = Thickness x width x length x 0.163

Pipe/Tubing (all dims in inches)

$\{\text{OD}^2 - (\text{OD} - 2 \times \text{WT})^2\} \times \text{Length} \times 0.128$

Skelp width = $(\text{OD} - \text{WT}) \times 3.1416 \times 12$

Where:

OD = Outside diameter and

WT = wall thickness

Zirconium Weight Calculation Formulas

Lbs/Cu Inch = 0.237

Rounds (all dims in inches)

Lbs per linear inch - $0.1863 \times \text{dia}^2$

Lbs per pc - $0.1863 \times \text{dia}^2 \times \text{Length}$

Rectangles/Squares (all dims in inches)

Weight per piece = Thickness x width x length x 0.237

Pipe/Tubing (all dims in inches)

$\{\text{OD}^2 - (\text{OD} - 2 \times \text{WT})^2\} \times \text{Length} \times 0.1863$

Skelp width = $(\text{OD} - \text{WT}) \times 3.1416 \times 12$

Where:

OD = Outside diameter and

WT = wall thickness

Tantalum Weight Calculation Formulas

Lbs/Cu Inch = 0.6

Rounds (all dims in inches)

Lbs per linear inch - $0.4712 \times \text{dia}^2$

Lbs per pc - $0.4712 \times \text{dia}^2 \times \text{Length}$

Rectangles/Squares (all dims in inches)

Weight per piece = Thickness x width x length x 0.6

Pipe/Tubing (all dims in inches)

$\{\text{OD}^2 - (\text{OD} - 2 \times \text{WT})^2\} \times \text{Length} \times 0.4712$

Skelp width = $(\text{OD} - \text{WT}) \times 3.1416 \times 12$

Where:

OD = Outside diameter and WT = wall thickness

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