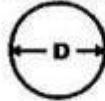
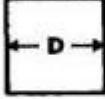


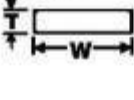
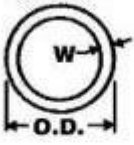
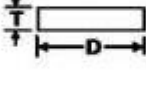
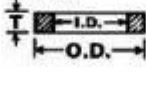


WEIGHT FORMULAS

LBS. PER LINEAL FOOT		CONVERSION FACTORS		
		Multiply	Density	
		Steel Weight by Lbs./In.3		
ROUNDS 	Steel: $2.6729 \times D^2$ Aluminum: $.924 \times D^2$ D = Size, Inches	Aluminum 1100 .3462 .098 2011 .3604 .102 2014 .3568 .101 2017 .3568 .101 2024 .3533 .100 3003 .3498 .099 5005 .3462 .098 5052 .3427 .097 5056 .3356 .095 5083 .3392 .096 5086 .3392 .096 6061 .3462 .098 6063 .3462 .098 7050 .3568 .101 7075 .3568 .101 7178 .3604 .102		
SQUARES 	Steel: $3.4032 \times D^2$ Aluminum: $1.18 \times D^2$ D = Size, Inches			
HEXAGONS 	Steel: $2.9473 \times D^2$ Aluminum: $1.02 \times D^2$ D = Size, Inches			
OCTAGONS 	Steel: $2.8193 \times D^2$ Aluminum: $.974 \times D^2$ D = Size, Inches	Stainless 300 Series 1.030 .292 400 Series 1.010 .286 Nickel 200 1.132 .321 400 1.125 .318 R-405 1.121 .318 K-500 1.075 .305 600 1.072 .306 625 1.075 .305 800H 1.012 .287 800AT 1.012 .287 825 1.037 .294 930 1.012 .287 20 1.030 .292 C-276 1.132 .321 2545MD 1.012 .287		
FLATS 	Steel: $3.4032 \times T \times W$ Aluminum: $1.20 \times T \times W$ T = Thickness, In. W = Width, Inches			
TUBING 	Steel: $10.68 \times (OD-W) \times W$ Aluminum: $3.70 \times (OD-W) \times W$ OD = OD, Inches W = Wall, Inches			
CIRCLES 	Steel: $.22274 \times T \times D^2$ Aluminum: $.077 \times T \times D^2$ D = Diameter, In. T = Thickness, In.	Magnesium .229 .065 Beryllium .236 .067 Titanium .575 .163 Zirconium .812 .230 Cast Iron .911 .258 Zinc .911 .258 Brass 1.084 .307 Columbium 1.095 .310 Copper 1.144 .324 Molybdenum 1.303 .369 Silver 1.339 .379 Lead 1.448 .410 Tantalum 2.120 .600 Tungsten 2.462 .697 Gold 2.466 .698		
RINGS 	Steel: $.22274 \times T \times (OD^2 - ID^2)$ Aluminum: $.077 \times T \times (OD^2 - ID^2)$ OD = OD, Inches ID = ID Inches T = Thickness, In.			

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