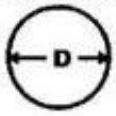
WEIGHT FORMULAS

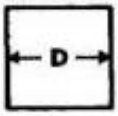
LBS. PER LINEAL FOOT

ROUNDS



Steel:
$2.6729 \times D^2$
Aluminum:
$.924 \times D^2$
D = Size, Inches

SQUARES

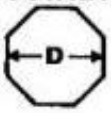


Steel:
$3.4032 \times D^2$
Aluminum:
$1.18 \times D^2$
D = Size, Inches

HEXAGONS

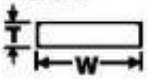
Steel:
$2.9473 \times D^2$
Aluminum:
$1.02 \times D^2$
D = Size, Inches

OCTAGONS



Steel:
$2.8193 \times D^2$
Aluminum:
$.974 \times D^2$
D = Size, Inches

FLATS

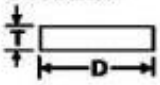


Steel:
$3.4032 \times T \times W$
Aluminum:
$1.20 \times T \times W$
T = Thickness, In.
W = Width, Inches

TUBING

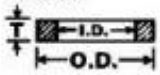
Steel:
$10.68 \times (OD-W) \times W$
Aluminum:
$3.70 \times (OD-W) \times W$
OD = OD, Inches
W = Wall, Inches

CIRCLES



Steel:
$.22274 \times T \times D^2$
Aluminum:
$.077 \times T \times D^2$
D = Diameter, In.
T = Thickness, In.

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.

CONVERSION FACTORS

	Multiply Steel Weight by	Density Lbs/In.3
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
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
330	1.012	.287
20	1.030	.292
C-276	1.132	.321
2545MD	1.012	.287
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