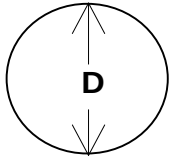
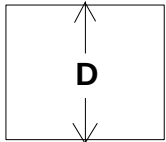


WEIGHT FORMULAS

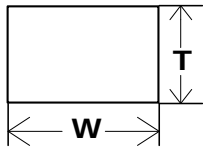
STEEL BARS WEIGHTS ARE BASED ON .2836 LBS. PER CUBIC INCH. ALUMINUM WEIGHTS ARE BASED ON .098 LBS. PER CUBIC INCH (1100 ALLOY). SEE NEXT PAGE FOR CONVERSION FACTORS FOR OTHER ALLOYS.



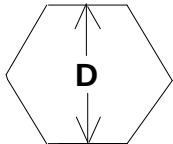
ROUND		D = SIZE IN INCHES	
STEEL	LBS. PER LINEAL FOOT	=	2.6729 X D X D
	LBS. PER LINEAL INCH	=	.22274 X D X D
ALUMINUM	LBS. PER LINEAL FOOT	=	.92400 X D X D



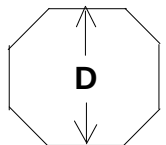
SQUARE		D = SIZE IN INCHES	
STEEL	LBS. PER LINEAL FOOT	=	3.4032 X D X D
	LBS. PER LINEAL INCH	=	.2836 X D X D
ALUMINUM	LBS. PER LINEAL FOOT	=	1.18 X D X D



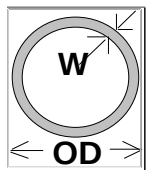
FLATS			
STEEL	LBS. PER LINEAL FOOT	=	3.4032 X T X W
	LBS. PER LINEAL INCH	=	.2836 X T X W
ALUMINUM	LBS. PER LINEAL FOOT	=	1.18 X T X W



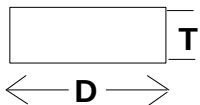
HEXAGON		D = SIZE IN INCHES	
STEEL	LBS. PER LINEAL FOOT	=	2.9473 X D X D
	LBS. PER LINEAL INCH	=	.2456 X D X D
ALUMINUM	LBS. PER LINEAL FOOT	=	1.02 X D X D



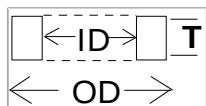
OCTAGONS		D = SIZE IN INCHES	
STEEL	LBS. PER LINEAL FOOT	=	2.8193 X D X D
	LBS. PER LINEAL INCH	=	.23494 X D X D
ALUMINUM	LBS. PER LINEAL FOOT	=	.9740 X D X D



TUBING		OD = INCHES W = INCHES	
STEEL	LBS. PER LINEAL FOOT	=	10.68 X (OD-W) X W
	LBS. PER LINEAL INCH	=	.890 X (OD-W) X W
ALUMINUM	LBS. PER LINEAL FOOT	=	3.70 X (OD-W) X W



CIRCLE		D = INCHES T = INCHES	
STEEL			.222274 X T X D X D
ALUMINUM			.077 X T X D X D



RINGS		OD = INCHES ID = INCHES T = INCHES	
STEEL			.222274 X T X (OD X OD - ID X ID)
ALUMINUM			.0770 X T X (OD X OD - ID X ID)