

Basic Equations & Conversions

Ounces to Grams

# (oz.)	x	28.35	=	(g)
	x	28.35	=	
	x	28.35	=	
	x	28.35	=	
	x	28.35	=	

Grams to Ounces

# (g)	x	0.035	=	(oz.)
	x	0.035	=	
	x	0.035	=	
	x	0.035	=	
	x	0.035	=	

Millimeters to Inches

# mm	x	0.039	=	(in.)
	x	0.039	=	
	x	0.039	=	
	x	0.039	=	
	x	0.039	=	

Inches to Millimeters

# (in.)	x	25.40	=	mm
	x	25.40	=	
	x	25.40	=	
	x	25.40	=	
	x	25.40	=	

Part Weight: English

Part Volume (in ³)	÷	Specific Volume of Material (in ³ /lb)	=	Pounds (lbs.)
	÷		=	
	÷		=	
	÷		=	
	÷		=	
	÷		=	

Part Weight: Metric

(Part Volume (mm ³))	÷	1000 mm ³ /g	x	Specific Gravity of Material	=	Grams (g)
	÷	1000 mm ³ /g	x		=	
	÷	1000 mm ³ /g	x		=	
	÷	1000 mm ³ /g	x		=	
	÷	1000 mm ³ /g	x		=	
	÷	1000 mm ³ /g	x		=	

Shot Weight

(Part Weight	x	Number of Cavities)	+	Runner Weight	=	Shot Size
	x		+		=	
	x		+		=	
	x		+		=	
	x		+		=	
	x		+		=	

Shot Size for Barrel Shot Size

Shot Weight (oz.)	÷	Specific Gravity of Material	=	Shot Size
	÷		=	
	÷		=	
	÷		=	
	÷		=	
	÷		=	

Press Tonnage

(Projected Area of Molded Part (in. ²))	x	Number of Cavities)	x	Tons per in. ² Value of Material	=	Tons Clamp
	x		x		=	
	x		x		=	
	x		x		=	
	x		x		=	
	x		x		=	

Add Shrinkage to a Part Dimension

Part Dimension	x	(1 + shrinkage value)	=	Total
	x		=	
	x		=	
	x		=	
	x		=	
	x		=	

Add Shrinkage to a Steel Dimension

Steel Dimension	÷	(1 + shrinkage value)	=	Total
	÷		=	
	÷		=	
	÷		=	
	÷		=	
	÷		=	