

# Conversion Chart

## Gauge to Inches to Millimeters

B & S Gauge	Inch (Decimal)	Millimeter (mm)	Inch (Fraction)		B & S Gauge	Inch (Decimal)	Millimeter (mm)	Inch (Fraction)
1	0.289	7.348				0.078	1.984	5/64
2	0.258	6.543			13	0.072	1.828	
	0.250	6.35	1/4		14	0.064	1.628	
	0.234	5.953	15/64			0.063	1.588	1/16
3	0.229	5.827			15	0.057	1.449	
	0.219	5.556	7/32		16	0.051	1.291	
4	0.204	5.189				0.047	1.191	3/64
	0.203	5.154	11/64		17	0.045	1.149	
	0.188	4.762	3/16		18	0.040	1.024	
5	0.182	4.621			19	0.036	0.912	
	0.172	4.366	11/64		20	0.032	0.812	
6	0.162	4.115				0.031	0.795	1/32
	0.156	3.969	5/32		21	0.028	0.723	
7	0.144	3.664			22	0.025	0.644	
	0.141	3.572	9/64		23	0.023	0.573	
8	0.128	3.263			24	0.020	0.511	
	0.125	3.175	1/8		25	0.018	0.455	
9	0.114	2.906			26	0.016	0.405	
	0.109	2.778	7/64			0.016	0.396	1/64
10	0.102	2.588			27	0.014	0.36	
	0.094	2.381	3/32		28	0.013	0.321	
11	0.091	2.304			29	0.011	0.286	
12	0.081	2.052			30	0.010	0.255	

### Weight Conversions

To Change from	To	Multiply By
Carats	Pennyweight (DWT)	0.1286
Carats	Grams	0.2
Grams	Carats	5
Grams	Pennyweight (DWT)	0.64301
Grams	Kilograms	0.001
Grams	Ounces, Avoir	0.03527
Grams	Ounces, Troy	0.03215
Grams	Pounds, Avoir	0.0022
Grams	Pounds, Troy	0.00268
Inches	Millimeters	25.4
Kilograms	Grams	1
Kilograms	Ounces, Avoir	35.274
Kilograms	Ounces, Troy	32.1507
Kilograms	Pennyweight (DWT)	643.014
Kilograms	Pounds, Avoir	2.2046
Kilograms	Pounds, Troy	2.6792
Millimeters	Inches	0.03937

To Change from	To	Multiply By
Ounces, Avoir	Grams	28.3495
Ounces, Avoir	Kilograms	0.02835
Ounces, Avoir	Ounces, Troy	0.91146
Ounces, Avoir	Pennyweight (DWT)	18.2291
Ounces, Avoir	Pounds, Avoir	0.0625
Ounces, Avoir	Pounds, Troy	0.076
Ounces, Troy	Grams	31.1035
Ounces, Troy	Kilograms	0.031103
Ounces, Troy	Ounces, Avoir	1.0971
Ounces, Troy	Pennyweight (DWT)	20
Ounces, Troy	Pounds, Avoir	0.0686
Ounces, Troy	Pounds, Troy	0.08333
Pennyweight	Carats	7.778
Pennyweight	Grams	1.5552
Pennyweight	Kilograms	0.001555
Pennyweight	Ounces, Avoir	0.05486
Pennyweight	Ounces, Troy	0.05