

Metal to Metal Conversion

The metal conversion chart below will help you determine the amount of metal needed to create a piece of jewelry in a different metal. To use, weigh the piece of jewelry. Then find the present metal along the top of the chart and look down the column to find the factor for the new metal you desire to make the piece of jewelry. Then multiply the current weight of the jewelry by this factor.

For example: a customer brings in a 14k white gold ring and would like the same ring made in Platinum. The ring weighs 6 DWT. Go to the chart and look down the 14k White column until you come to Platinum. The factor is 1.708. Multiply 6 x 1.708 = 10.248. The ring made in platinum would weigh 10.248 DWT.

Present Metal

Desired Metal	10K Yellow	10K White	14K Yellow	14K White	18K Yellow	18K White	Sterling Silver	10% Id Platinum Alloy	Wax	
10K Yellow	1.000	1.045	0.885	0.918	0.743	0.790	1.105	0.537	1.377	11.570
10K White	0.957	1.000	0.847	0.878	0.711	0.756	1.057	0.514	1.318	11.070
14K Yellow	1.130	1.181	1.000	1.036	0.839	0.893	1.248	0.607	1.556	13.070
14K White	1.090	1.139	0.965	1.000	0.809	0.861	1.204	0.585	1.501	12.610
18K Yellow	1.347	1.407	1.192	1.236	1.000	1.064	1.488	0.723	1.855	15.580
18K White	1.265	1.322	1.120	1.161	0.940	1.000	1.398	0.680	1.743	14.640
Sterling	0.905	0.946	0.801	0.830	0.672	0.715	1.000	0.486	1.246	10.470
Platinum	1.862	1.946	1.648	1.708	1.383	1.471	2.057	1.000	2.564	21.540
Alloy	0.726	0.759	0.643	0.666	0.539	0.574	0.802	0.390	1.000	8.400

By Bradney W, Simon – © [Bench Magazine](#)

In association with

BENCH
Magazine

[BENCH Magazine](#) is devoted to the Bench Jeweler in retail jewelry stores and small trade shops.