

Specific Gravities & Factors

(Note: These are approximate values)

Code	Elements	S.G.	Factor	Alloys	Colour	S.G.	Factor
Al	Aluminium	2.70	(0.262)	9ct Y	Yellow	11.5	(1.117)
Cd	Cadmium	8.65	(0.840)	9ct WG	White	12.4	(1.117)
C	Carbon (Graphite)	2.25	(0.218)	9ct WGP	White	12.5	(1.214)
Cu	Copper	8.96	(0.870)	9ct Pink	Red	11.3	(1.107)
Au	Gold	19.3	(1.874)				
Ir	Iridium	22.65	(2.199)	14ct YG	Yellow	13.8	(1.34)
Fe	Iron	7.87	(0.764)				
Pb	Lead	11.34	(1.101)				
Hg	Mercury	13.55	(1.311)	18ct YG	Yellow	15.6	(1.515)
Ni	Nickel	8.90	(0.864)	18ct W	White	16.0	(1.553)
Os	Osmium	22.61	(2.195)	18ct Pink	Pink	15.5	(1.505)
Pd	Palladium,	12.02	(1.184)	22ct YG	Yellow	18.0	(1.748)
Pt	Platinum	21.45	(2.083)				
Rh	Rhodium	12.41	(1.205)	PTC	Platinum	19.9	(1.932)
Ru	Ruthenium	12.45	(1.209)	SIL	Silver	10.4	(1.01)
Ag	Silver	10.49	(1.018)				
Sn	Tin	7.30	(0.709)	SIL	Silver	10.3	(1.000)
Ti	Titanium	4.51	(0.438)	BRAS	Brass	8.5	(0.825)
W	Tungsten	19.3	(1.874)	PHBR	Bronze	8.8	(0.854)
Zn	Zinc	7.13	(0.692)	SIBR	Bronze	8.5	(0.825)
				WAX	Wax	1.0	(0.097)

Examples:

- To find the weight of any article in another alloy if the weight is already known in a particular alloy: eg. say a ring weighs 4g in 9ct YG, what will it weigh in 18ct YG?

$$\frac{\text{weight of ring}}{\text{SG of known alloy}} \times \text{SG of required alloy} = \text{new weight}$$

$$\frac{4}{11.5} \times 15.6 = 5.43 \text{ (9ct YG ring would weigh 5.43g in 18ct YG)}$$

- In the catalogue all model weights indicated are for Sterling Silver. To convert these weights to any other alloy, multiply the model weight by the factor for that alloy - eg. weight shown 4.0g, therefore in 9ct YSP = 4.0 x 1.117 = 4.47g

