

**MARYLAND METRICS P.O. Box 261 Owings Mills, MD 21117 USA**

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**WEIGHT FORMULA CONVERSIONS FROM STEEL TO OTHER MATERIALS**

MATERIAL	NOTE A:
ALUMINUM 1100	0.3462
ALUMINUM 2011	0.3604
ALUMINUM 2014	0.3568
ALUMINUM 2017	0.3568
ALUMINUM 2024	0.3533
ALUMINUM 3003	0.3498
ALUMINUM 5052	0.3427
ALUMINUM 5083	0.3392
ALUMINUM 6061	0.3462
ALUMINUM 6063	0.3462
ALUMINUM 7075	0.3568
ALUMINUM 7178	0.3702
ALUMINUM - PURE	0.3640
ALUMINUM ALLOYS	0.3560
BRASS	1.0840
BRONZE 90	1.1180
COLUMBIUM	1.1070
COPPER	1.1480
COPPER ALLOYS	1.1200

MATERIAL	NOTE A:
GOLD	2.4590
HASTELLOY B	1.1870
HASTELLOY B-2	1.1740
HASTELLOY C	1.1390
HASTELLOY C-276	1.1320
HASTELLOY X	1.0560
HAYNES 188	1.1830
HAYNES 25 (L-605)	1.1720
INCOLOY 800	1.0250
INCONEL 600	1.0740
INCONEL 625	1.0820
INCONEL 718	1.0290
INCONEL X-750	1.0530
MAGNESIUM	0.2230
MOLYBDENUM	1.3210
MONEL 400	1.1270
MONEL 405	1.1270
MONEL 500	1.0780
MULTIMET (N-155)	1.0560

MATERIAL	NOTE A:
NICKEL 200	1.1340
NICKEL 400	1.1250
NICKEL 600	1.0720
NICKEL 625	1.0750
NICKEL 800	1.0120
NICKEL 904L	1.0260
NIObIUM	1.1070
RENE 41	1.0570
STAINLESS 300 SERIES	1.0100
STAINLESS 400 SERIES	1.0000
TANTALUM	2.1420
TITANIUM ALLOYS	0.5750
TOOL STEEL-HIGH SPEED	1.1200
TOOL STEEL-TUNGSTEN/MOLY	1.0400
TUNGSTEN	2.4640
WASPALLOY	1.0570
ZINC	0.9040
ZIRCONIUM	0.8350

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NOTE A: MULTIPLY STEEL WEIGHT BY THE VALUE IN THIS COLUMN TO OBTAIN ESTIMATED WEIGHT IN THE SELECTED MATERIAL. EXAMPLE: A STEEL WEIGHT OF 120 kg WOULD BE ESTIMATED AS  $120 \times 1.084 = 130.08$  kg FOR AN EQUIVALENT VOLUME OF BRASS.

This information is only for estimating purposes.

These are only theoretical weights.