

COPPER TUNGSTEN ALLOYS

Eagle Alloys Corporation can supply the below grades of Copper Tungsten metal composite materials as well as custom grades to meet your specific needs. Eagle Alloys can supply various sizes and compositions for immediate shipping or we can supply custom grades, shapes and finished parts with a short lead time. These metal composite materials produce dense hard metals with low thermal expansion, good thermal and electrical conductivity, excellent arc resistance, superior wear resistance and strength at elevated temperatures.

Eagle Alloys supplies DRC Conflict Free material only.

Please see our chart of standard grades of Copper Tungsten Alloys

EA Copper Tungsten Alloy Grades	Copper %	Tungsten %	ASTM-B-702-93	RWMA
W50/Cu50	48-52%Cu	Balance	Class A	...
W55/Cu45	43-47%Cu	Balance	...	Class 10
W56/Cu44	42-46%Cu	Balance	...	Class 10
W60/Cu40	38-42%Cu	Balance	Class B	...
W65/Cu35	33-37%Cu	Balance	...	...
W68/Cu32	28-32%Cu	Balance	...	Class 10
W68/Cu32HT	30-34%Cu Alloy	Balance	...	...
W70/Cu30	28-32%Cu	Balance	Class C	Class 10
W75/Cu25	23-27%Cu	Balance	Class D	Class 11
W75/Cu25HT	23-27%Cu Alloy	Balance	...	...
W78/Cu22	20-24%Cu	Balance	...	Class 12
W80/Cu20	18-22%Cu	Balance	Class E	Class 12
W85/Cu15	13-17%Cu	Balance	...	...
W90/Cu10	8-12%Cu	Balance	...	...

*Note: HT= Heat Treated. Copper Tungsten materials can be fabricated and custom produced to customer's specifications. Above data is for informational purposes only. Eagle Alloys is not liable for accuracy of these contents or applications. Finished part drawings may be forwarded to a third party for outsourcing.