

Tungsten Nickel Iron Alloy-CMW Standard

Tungsten Nickel Iron is a high-density alloy suitable for high-temperature environments and applications such as bearing assembly, ballast, casting, step soldering, and radiation shielding.

Tungsten, Nickel and Iron Alloys(CMW 3000, 3925, 3950 3970)

We offer several tungsten, nickel and iron alloys, comprised of different amounts of the various metals. For detailed information on the composition of our CMW 3000, 3925, 3950 3970 products, refer to the high-density alloys properties chart.

(CMW 3000, 3925, 3950 3970)

High-Density Metal	Composition % by Weight	Density g/cm ³ or lb/in ³		Hardness Rockwell	Specifications
CMW 3000	90W; 7Ni; 3Fe	17	0.614	25 HRC	AMS 7725D Type
					AMS-T-21014 Class1
					MIL-T-21014D Class1
					ASTM B777 Class1
CMW 3925	92.5W; 5.25Ni; 2.25Fe	17.5	0.632	26 HRC	AMS 7725D Type2
					AMS-T-21014 Class2
					MIL-T-21014D Class2
					ASTM B777 Class2
CMW3950	95W; 3.5Ni; 1.5Fe	18	0.65	28 HRC	AMS 7725D Type2
					AMS-T-21014 Class3
					MIL-T-21014D Class3
					ASTM B777 Class3
CMW3970	97W; 2.1Ni; 0.9Fe	18.5	0.668	30 HRC	AMS 7725D Type2
					AMS-T-21014 Class4
					MIL-T-21014D Class4
					ASTM B777 Class4