

# TAM 3950 (95W-Ni-Fe)

## Product Datasheet



Tungsten Alloy

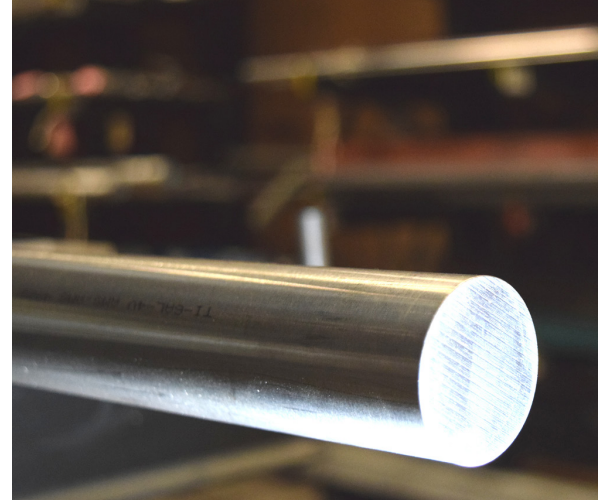
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### For ballast & balancing components

TAM 3950 is a high density tungsten alloy used in ballast and balancing applications.

TAM 3950 (95W-Ni-Fe) is a tungsten alloy product containing 95% tungsten, 3.5% nickel and 1.5% iron. It is a high-density material used in applications in industries such as aerospace and motorsport as ballast and in balancing components.

TAM 3950 is slightly magnetic and has superior tensile strength (870N/mm<sup>2</sup>). With a density of 18.00 gm/cm<sup>3</sup>, the alloy is resistant to acids and therefore is suitable for hostile environments. With low coefficient of expansion and low thermal conductivity, TAM 3950 benefits from high resistance to thermal fatigue.



#### Key Features

- High density alloy
- High strength
- High resistance to thermal fatigue
- Low thermal conductivity

#### Applications

- Balance weights
- Ballast
- Weight reduction applications
- Aerospace and motorsport

#### Chemical Composition (weight %)

	W	Ni	Fe
Min			
Max	95.0	3.5	1.5

#### Mechanical Properties

Density	Hardness	Ultimate Tensile Strength	Elongation	Magnetic Properties
18 gm/cm <sup>3</sup>	27 HRC	870 N/mm <sup>2</sup>	7%	Slightly magnetic

We stock TAM 3950 (90W-Ni-Fe) in round bar.

#### UK Service Centres:

Smiths Belfast	02895 908 897	Smiths Leeds	0113 307 5167
Smiths Biggleswade	01767 604 704	Smiths Manchester	0161 794 8650
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#### Quality & Testing:



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