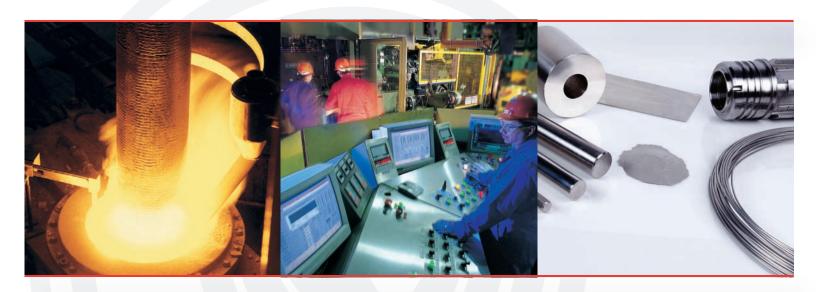
Carpenter Alloys for the Nuclear Industry





Carpenter Alloys for the Nuclear Industry

We understand the pressure you and nuclear power plants are under. High temperatures, corrosive conditions, radioactive environments and operating stresses require specialty alloys that meet the critical performance standards of the power generation industry.

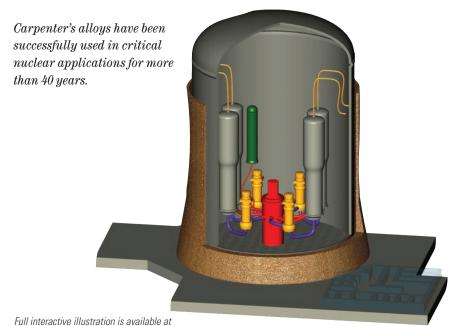
Carpenter manufactures a full line of superalloys, high-strength steels, stainless steels and powder products used in various nuclear applications. These high quality, heat- and corrosion-resistant materials can improve durability and extend component operating life. We combine an industry-leading product offering with knowledgeable materials support and responsive, on-time delivery.

Whether the application is a fuel assembly, control rod or steam generator, you can count on Carpenter to deliver high-quality materials that last. As technology continues to change, we'll provide the innovative next-generation alloys that enable our customers to increase the useful life of their equipment and reach higher performance levels.

CERTIFICATIONS/STANDARDS

- PRI Registrar: ISO 9001; AS 9100; ISO17025
- TUV Rhineland: PED 97/23-EC; AD 2000-Merkblatt W0
- NADCAP: Heat Treating, Material Testing Lab, Ultrasonic Testing
- Capable of certifying to RCC-M articles
- Routinely audited by customers for NCA-3800 conformance

That's Carpenter. Engineered materials for a changing world.



http://www.cartech.com/markets/PowerGen/Nuclear.html

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Carpenter manufactures hundreds of specialty alloys in billet, solid and hollow bar, multi-dimensional bar, precision strip, plate, wire and fine wire. Many of these alloys are also available in loose powder form.

CAST AND WROUGHT APPLICATIONS

Control rod drive mechanisms Coolant pumps Pressurizers Pumps

Reactor pressure vessel, fuel assemblies

Reactor fueling machines Tubes and overlay Valves and fittings Weld wire

POWDER PRODUCT APPLICATIONS

Near-net shapes for valves and pumps Storage pools and transport canisters

ALLOYS

Pyromet® Alloy A-286 Pyromet Alloy 600 Pyromet Alloy 718 Pyromet Alloy X-750 Pyromet Alloy 52 weld rod Pyromet Alloy 82 weld rod Type 304L stainless Types 308L/309L stainless Type 316L stainless

Carpenter Stainless Type 347 Carpenter Stainless Type 405 Carpenter Stainless Custom 630 Custom 450® stainless Custom 455® stainless Carpenter Nickel-Copper 400 Custom Age 625 PLUS® alloy Micro-Melt® NeutroSorb PLUS® alloys

Contact:

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