

High-tech Metal Fasteners Ideal for Extreme Conditions

Huntingdon ... 11 February 2014 ... There is a wide range of metal fasteners commonly available for standard applications, but supposing your application is at very high temperatures or in a highly corrosive environment? Sometimes the more commonly available fasteners are just not up to the job. Step in high-performance refractory metals. Goodfellow offers a range of refractory metal fasteners (nuts, bolts and washers) ranging in size from M3 to M6 for situations that involve high temperature, high voltage, magnetism, and harsh corrosive environments.



Metal fasteners from Goodfellow

All four metals currently offered – tungsten, tantalum, niobium and molybdenum – are chemically inert and have:

- A melting point above 2400°C
- High hardness at room temperature
- Relatively high density
- Stability against creep deformation at very high temperatures

Depending on the metal being used, these high-tech fasteners can find application in:

- Radiation shielding
- Armour
- Atomic reactors
- Jet engine parts
- Gas turbines
- Rocket subassemblies
- Airframe systems
- Heat-resisting and combustion equipment
- Chemical processing
- Semiconductors
- Industrial motors

For more information, contact a Goodfellow materials specialist at +44 1480 424 800 or info@goodfellow.com.

Goodfellow is a leading supplier of metals, polymers, ceramics and other materials to meet the needs of science and industry worldwide. The company specialises in supplying small quantities (a few grammes to a few kilos) of metals and materials for research, prototype development and specialised manufacturing applications. Standard products can be found online at the comprehensive Goodfellow Catalogue (www.goodfellow.com).

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