Niobium pins for electrical power supply.

In high-pressure sodium vapor lamps and ceramic metal halide lamps, the electrical discharge takes place in ceramic vessels - the so-called burners. Niobium pins are a key component that ensures the flow of electricity in these lamps.

Niobium has approximately the same thermal expansion as the ceramic material. No stresses occur as it heats up and the burner remains impermeable at all times. Another benefit: Our niobium pins are corrosion-resistant against sodium vapor. Thanks to its high ductility, niobium is easy to work. Niobium is also a very effective "gas getter". The material takes hydrogen, oxygen and nitrogen from the atmosphere and is therefore particularly suitable for vacuum applications in the lighting industry.

We have many years of experience of drawing and rolling niobium. Using special thermomechanical operations, we produce high-quality ribbons and wires. Thanks to our annealing processes, we can adapt the material properties of our niobium products to meet the precise requirements of your application. With us, you know what you're getting. Because we adhere to extremely tight production tolerances and subject our products to precision testing. Special cleaning processes and packaging solutions ensure that the material we supply to you has outstanding surface purity and is ready for use.
We supply niobium wire in diameters of between 0.05 and 2.50 mm. Alongside our niobium conducting pins, we can also supply you with niobium ribbons with brilliant surfaces in thicknesses of between 0.02 and 0.30 mm. We would also be delighted to supply you with niobium components ready for installation. Just contact us!

A single source for all your needs.

We handle every stage in the manufacture of our products in-house. From the raw materials through to the finished product: including the development of new materials. In this way, we can guarantee that you benefit from the very best quality.