

SNX Nitinol protrusion spring



Technical Data Sheet

Product description: Protrusion spring made from a super-elastic shape memory alloy, serving as connective element between upper- and lower jaw splint in the DocSnoreNix system.

Manufacturer: Dreve Dentamid GmbH
Max-Planck-Straße 31
59423 Unna / Germany

Composition:

Pos	chemical term
1	nitinol

Properties:

Melting Point: 1310°C
Density (23°C): 6.5 g cm⁻³
Electrical Resistivity: 76 µOhm cm
Coefficient of Thermal Exp.: 6.6 x 10⁻⁶ / °C
Modulus of Elasticity: 28 - 41 x 10³ MPa
Tensile Strength: > 1100 MPa
Elongation: > 10%
Loading Plateau Stress: > 100 MPa
Shape Memory Strain: ≤ 8%
Transformation Temperature: > 0°C

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