

Identification of the product

Product name: NiTi instruments (Mtwo[®], FlexMaster[®] / NiTi K- File, NiTi Finger Spreader)
Use of the article: Rotating NiTi root canal instruments / root canal handinstruments

Manufacturer/supplier identification:

Company: VDW GmbH
Bayerwaldstr.15, D-81737 München, Germany Tel: ++49 89 62734-0
e-mail: info@vdw-dental.com
Contact for information: Quality Management
Telephone: ++49 89 62734-0 • Telefax: ++49 89 62734-304

Composition / information on ingredients

Root canal instrument of a Nickel-Titanium special alloy

contains:

Nickel	54-57%
Titanium	according
Oxygen	max. 0,05 weight%
Carbon	max. 0,05 weight%

Physical and chemical properties

Melting point:	1310° C
Density:	6,5 g/cm ³
modulus of elasticity:	41-75 x 10 ³ Mpa
electrical resistivity:	82 µOhm x cm
ultimate tensile strength:	min. 1100 mPa
Total elongation	min. 10%
Transformation temperature	max. 18°C

- elastic deformability (10 x more than steel)
- high flexibility

Other information

The information contained herein is based on the present state of our knowledge. It characterizes the technical information of the product.