

Identification of the product

Product name: K-Reamers, H-Files, B-Reamers
Use of the article: Rotating steel root canal instruments

Manufacturer/supplier identification:

Company: VDW GmbH
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Composition / information on ingredients

Rotating root canal instruments of a special steel alloy (stainless spring steel)

contains

Carbon	< 0,1 %
Silicon	< 2,0 %
Manganese	1,0 – 2,0 %
Phosphorus	< 0,03 %
Sulfurus	< 0,015%
Chromium	16,0 – 18,0 %
Nickel	6,0 – 10,0 %
Molybdenium	< 0,7%
Iron	according

The used special steel alloy refers to following standards:

ISO 6931- 1 Stainless Steels Grade 1NS / HS
DIN EN 10270-3, DIN 17224, AISI 302/ AISI 302 Mod., JIS G 4314

Physical and chemical properties

Density:	7,9 g/cm ³
Thermal conductivity (20°C):	15,0 W/m°C
Resistivity (20°C)	0,80 μΩm
thermal expansion per °C x10 ⁻⁶ 20° up to 100°C:	17,0
permeability, μmax:	about 10
Tensile strength Mpa	2000 - 2500

Other information

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