AccuPath

Nickel-Titanium Tubing

Nickel-titanium tubing, with its unique properties and wide range of applications, is driving innovation and development of medical device technology. The AccuPath® nickel-titanium tubing can meet the design requirements of large angle deformation and alien fixed release, thanks to the hyperelasticity and shape memory effect. Its constant tension and resistance to kink reduce the risk of fracture, bending or injury to the human body.

Key Features

- Accuracy ± 10% wall thickness, 360 ° dead-angle detection
- Ra ≤ 0.1 μm, abrasive, acid wash, oxidation, etc.
- Familiarity with the practical application of medical devices can customize performance

Applications

- Retriever Stents
- OCT Catheters
- IVUS Catheters
- Mapping Catheters
- Push Rods
- Ablation Catheters
- Puncture needles

Technical Data	Unit	Typical Value
Outer Diameter	mm (inch)	0.25~8 (0.005-0.0.315)
Wall Thickness	mm (inch)	0.04~2 (0.0016-0.0787)
Length	mm (inch)	1-2000 (0.04-78.7)
AF*	℃	-30~30
Outer surface condition		Oxidized: Ra≤0.1; Ground: Ra≤0.1 ; Sandblasted: Ra≤0.7
Inner surface condition		Clean: Ra≤0.80 ; Oxidized: Ra≤0.80 ; Ground: Ra≤0.05
Tensile Strength	Mpa	≥1000
Elongation	%	≥10
3% upper plateau	Mpa	≥380
6% residual deformation	%	≤0.3

Quality Management

AccuPath implements a strict ISO13485 quality management system and builds a standardized 10,000-grade purification workshop to ensure that the products meet the biological requirements of medical devices. At the same time, advanced manufacturing equipment and precision measuring instruments, as well as strict inspection and testing methods, ensure that the quality of the products meets the requirements for the use of high-end medical devices.

Ordering Information

Our experts can guide you in material selection, tubing specifications, and custom-cut lengths to fit your specific Products requirements.

Web：www.accupathmed.com E-mail：customer@accupathmed.com