

EUROFLEX[®]

WE CREATE SOLUTIONS



**MICROCLEAN
NITINOL HCF-SE**

**THE FIRST CHOICE
FOR HIGH CYCLE
FATIGUE DEVICES**

**FSL 2,0% up to
600 million cycles**

**INNOVATIVE MATERIALS
& CREATIVE SOLUTIONS**



EUROFLEX®

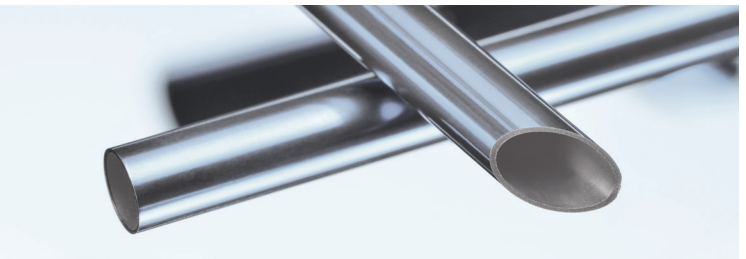
WE CREATE SOLUTIONS

EUROFLEX is a leading global supplier of high-precision tubes, wires, sheets and components for medical technology. The company was founded in 1993 and is part of the G.RAU Group with approx. 2,200 employees worldwide.

As a leading specialist for solutions made of NITINOL, Cobalt-based Alloys, Stainless steels and many other innovative materials, EUROFLEX is the competent partner for many companies in the field of medical technology. A management system certified according to DIN EN ISO 13485 ensures the consistently high quality of our products.

Our project management team will gladly work with you to create a customized solution specific to your product requirements.

HIGH-PRECISION SEMI-FINISHED PRODUCTS & MEDICAL COMPONENTS





OUR PRODUCTS

- SEAMLESS TUBES
 - NITINOL
 - COBALT-BASED-ALLOYS
 - STAINLESS STEEL
 - VARIOUS METALS ALLOYS
- CONTINUOUS FLAT-ROLLED SHEETS
- MICRO-PROFILES
- NITINOL HCF-SE WIRES AND COMPOUNDS
- MEDICAL COMPONENTS

NITINOL MATERIAL OPTIONS

Inhouse
development
HCF-SE

Generation 1

Ingot
inclusion size
max. 39 μm

Ingot inclusion
area
max. 2,8%



Generation 2

Ingot
inclusion size
max. 20 μm

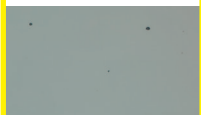
Ingot inclusion
area
max. 1,2%



Generation 3

Ingot
inclusion size
max. 10 μm

Ingot inclusion
area
max. 0,7%



Improved lifetime / fatigue properties

MANUFACTURING TECHNOLOGIES MEDICAL COMPONENTS

- MACHINING TECHNOLOGIES
 - Turning & Milling (CNC-controlled)
- LASER WELDING
- LASER CUTTING
- LASER MARKING
- EDM CUTTING
- FORMING TECHNOLOGIES
 - 3D Forming (CNC-controlled) & Multi-Filar (6)
Coil Winding
- HEAT TREATMENT TECHNOLOGIES
 - Nitinol Shape-Setting

Our manufacturing processes can also be tailored to customer needs. Quality and high precision are always our top priority.



SURFACE TREATMENTS

- MECHANICAL REMOVAL METHODS
(ABRASIVE BLASTING, VIBRATORY FINISHING,
TUMBLING)
- ETCHING, CHEMICAL POLISHING, ELECTRO-
POLISHING
- LASER STRUCTURING
- GALVANIC SURFACE FINISHING
(UPON REQUEST)

APPLICATIONS OF OUR PRODUCTS



Neuro Applications



Orthopedic Applications



Cardiovascular Stents, Heart Valves



Braided Stents



Stents for Aortic Aneurysms



Medical Instruments



X-Ray Marker



Pacemaker



Electrodes

MATERIALS

NITINOL Generation 1, 2 or 3 (HCF-SE)

COBALT-BASED ALLOYS

STAINLESS STEEL

TANTALUM

TITANIUM-BASED ALLOYS

PRECIOUS ALLOYS

OTHER SPECIAL ALLOYS

PROTOTYPE MATERIAL RAPID RESPONSE

Our Rapid Response Department offers tubing within a short period of time.

- Custom drawn to customer specification
- Full range of tube OD & WT
- Lot size up to 50 meters
- Multiple Niti ingot options available, including high-purity HCF-SE

PROTOTYPE MATERIAL STOCK LIST

Especially for very short delivery times we offer the material from our stock list.

The stock list includes 400+ stock tube sizes.

Greater flexibility and availability with our expanded US stock list. ~100 sizes of Nitinol tubing



EUROFLEX GmbH

a company of the G.RAU Group

Kaiser-Friedrich-Str. 7, 75172 Pforzheim, Germany



www.euroflex.de



+49 (0)7231/208-210



info@euroflex.de