



Instrumente der  
Mikrochirurgie

*Instruments of  
Micro Surgery*

Mikrochirurgie  
Micro Surgery



Sehr geehrte Kunden,

mit diesem Katalog erhalten Sie einen umfassenden Überblick über unser Instrumentarium der Mikrochirurgie. Dabei bieten wir Ihnen selbstverständlich die hohe Qualität in Material und Verarbeitung die Sie von unseren Produkten kennen. Alle Produkte sind „*Made in Germany*“.

Hervorheben möchten wir unsere *atraumatischen Nadel-Faden-Kombinationen* mit gewebeschonenden Durchstich- und Gleiteigenschaften.

Wir können jederzeit flexibel Ihre individuellen Produktwünsche berücksichtigen, insbesondere hinsichtlich Nahtmaterial und Mikroinstrumenten.

Dipl. Ing. Eduard Steidle  
Geschäftsführer / General Manager

Dear Customers,

with this catalogue we would like to give you a comprehensive insight into our modern instruments of microsurgery. As a matter of course we provide you with the high quality of material and workmanship which you are accustomed with from our products. All products are „*Made in Germany*“. We would like to point out our atraumatic Needle Suture-Combinations, showing tissue-conserving cutting and gliding properties. If so requested, we are able to consider your individual demands, especially concerning suture and micro instruments.



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## Mikronahtmaterial

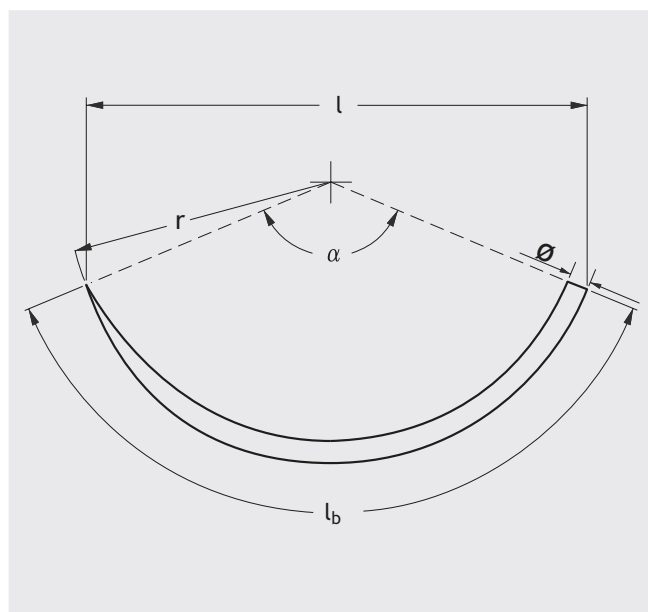
### Micro Sutures

Die Herstellung unserer Mikronadeln erfolgt aus kaltgeformtem AISI 300 Stahl. Diese bieten wir in unterschiedlichen Formen, Spitzen, Längen und Durchmessern an. Alle vier Mikronadeltypen werden mit schwarzem Nylonfaden, Polyamid 6.6 monofil angeboten. Das Standardmaterial Nylon besitzt eine glatte Oberfläche und damit besonders gute Gleiteigenschaften im Gewebe.

Our micro needles are cold formed of high quality stainless AISI 300 series steel. We offer them in different forms, tips, lengths and diameters. All four types of micro needles are offered with black nylon thread, polyamide 6.6 monofilament. The standard material nylon has a smooth surface for easy passage through tissue.

## Nadelgeometrie

### Needle Geometry



#### Beschreibung:

- $l$  = Länge
- $l_b$  = Bogenlänge
- $r$  = Radius
- $\alpha$  = Winkel 135°, 3/8-Kreis
- $\emptyset$  = Nadeldurchmesser in  $\mu\text{m}$

#### Description:

- $l$  = Length
- $l_b$  = Arc length
- $r$  = Radius
- $\alpha$  = Angle 135°, 3/8 circle
- $\emptyset$  = Needle diameter in  $\mu\text{m}$

| Artikelnummer Beispiel<br>Article Number Sample |   |    |   |   |   |    |    | Beschreibung<br>Description                             |                                                                |
|-------------------------------------------------|---|----|---|---|---|----|----|---------------------------------------------------------|----------------------------------------------------------------|
|                                                 |   |    |   |   |   |    |    | Anzahl der Nadeln                                       | Quantity of needles                                            |
|                                                 |   |    |   |   |   |    |    | Nadelform: Rundspitze in V-Form                         | Needle form V, with Taper Point                                |
|                                                 |   |    |   |   |   |    |    | Nadeldurchmesser $\emptyset \times 10 \mu\text{m}$      | Needle diameter $\emptyset \times 10 \mu\text{m}$              |
|                                                 |   |    |   |   |   |    |    | Nadellänge (l) in mm                                    | Needle length (l) in mm                                        |
|                                                 |   |    |   |   |   |    |    | Bogenlänge ( $l_b$ ), 3/8-Kreis, $\alpha = 135^\circ$   | Arc length ( $l_b$ ), 3/8 of full circle, $\alpha = 135^\circ$ |
|                                                 |   |    |   |   |   |    |    | Fadenmaterial N für Nylon, Polyamid 6.6                 | Suture material N for Nylon, Polyamid 6.6                      |
|                                                 |   |    |   |   |   |    |    | Fadendurchmesser in USP<br>(United States Pharmacopeia) | Suture diameter in USP<br>(United States Pharmacopeia)         |
| 2                                               | V | 10 | 5 | 3 | N | 10 | 15 | Fadenlänge in cm                                        | Suture length in cm                                            |

Unsere Mikronadeln sind in vier Varianten erhältlich. Unterschiedliche Gewebebeschaffenheit stellt vielfältige Anforderungen an die Nadel beim Einstich und beim Durchziehen durch das Gewebe. Daher bieten wir Nadeln mit unterschiedlichen Spitzen und Nadelformen an.

Die Rundnadel mit V-förmiger Spitze durchsticht das Gewebe. Die schneidenden Nadeln in W-, T-, und Y-Form sind scharf und optimal für Gewebearten geeignet die einen größeren Gewebewiderstand aufweisen, wie Haut-, Narbengewebe sowie Sehnenansätze.

The micro needles are available in four different versions. As different tissue conditions strain the needle in various ways when puncturing and pulling it through the tissue, we are providing needles in different tip- and cross-section forms.

The round needle with the V-shaped tip penetrates the tissue. The cutting needles with form W, T, and Y are sharp and suitable for types of tissue showing a major tissue resistance, such as dermal tissue, cicatricial tissue and tendons.



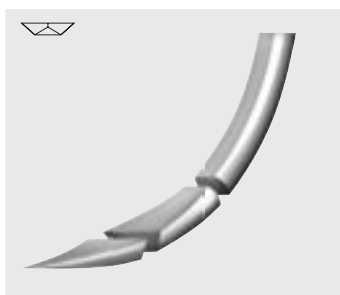
**Rundspitze, V-Form**  
Taper Point, form V

**Eigenschaften:**

Die runde Nadel durchsticht alle weichen Gewebearten ohne sie zu schneiden. Durch die schlanke Nadelspitze entsteht ein sehr kleiner Stichkanal.

**Characteristics:**

The round needle penetrates all of the tissue types without cutting. Due to the slight needle tip, a minimum branch canal arises.



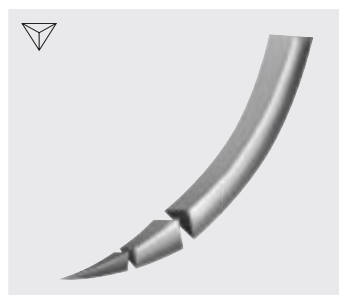
**Spatulaspitze, W-Form**  
Spatula Point, form W

**Eigenschaften:**

Die scharfe Spatulanadel schneidet mit der Nadelspitze das Gewebe. Sie verursacht daher nur eine geringe Gewebeschädigung.

**Characteristics:**

The sharp spatula needle cuts the tissue with the needle tip. Therefore only a marginal tissue damage is caused.



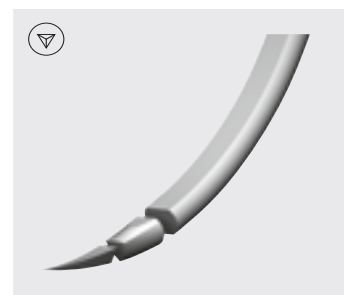
**Triangelspitze, T-Form**  
Triangle Point, form T

**Eigenschaften:**

Die scharfe Triangelnadel schneidet entlang der gesamten Nadelkanten festes Gewebe.

**Characteristics:**

The sharp reverse cutting triangle needle cuts hard tissue along the entire needle edges.



**Schneidende Nadelspitze, Y-Form**  
Taper cutting, form Y

**Eigenschaften:**

Die scharfe Y-Nadel schneidet mit der Nadelspitze festes Gewebe mit sehr guter Gewebepenetration. Der Stichkanal besitzt eine Y-Form.

**Characteristics:**

The sharp Y needle cuts the tissue with the needle point, showing excellent tissue penetration. The branch canal has a form Y.

**USP Größe** USP size: 10/0  
**Verfallsdatum** Date of expiry: 2015-06  
**Artikelnummer** Article number: No 2V1563N1015

**Fadenstärke** Suture strength: metric 0,2  
**Fadenlänge** Suture length: 15 cm  
**Nadeltyp** Needle type: 2xV  
**Bogenlänge in mm** Arc length in mm: 7,7-150  
**Nadeldurchmesser in µm** Needle diameter in µm: 0123

**Fadenmaterial** Suture material: NYLON BLACK  
**Stückzahl** Number of sachets: 12 sachets  
**Nicht wiederverwendbar** Not reusable  
**Beipackzettel beachten** Follow directions in package insert

**Nadelprofil** Needle point  
**Nadelform** Needle shape  
**Chargennummer** Lot number: 07/058/16  
**Sterilisationsmethode (Ethylenoxid)** Method of Sterilisation (Ethylene Oxide): STERILE

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**Micromed Etikett**  
Micromed Label

## Mikronahtmaterial, Nadel in W-Form mit Nylon- oder Seidenfaden

*Micro Sutures, Needle of form W with Nylon- or Silk Thread*

Die W-förmige Mikronadel mit sehr guten Schneideeigenschaften ist bestens geeignet unterschiedlich zähe Gewebeschichten exakt zu durchdringen und mit dem Nylonfaden zu verbinden.

*The W-shaped micro needle with excellent tissue sectioning properties is suitable for the exact penetrating of different tenacious tissue layers and connecting them with the nylon thread.*



| Nadel in W-Form<br><i>Micro Suture, Needle of form W</i> |                          |         |                                             |                                                                                |                 | Nylonfaden, schwarz<br><i>Nylon Thread, black</i> |                                       |                                       | Seidenfaden, schwarz<br><i>Silk Thread, black</i> |                                      |                                      |
|----------------------------------------------------------|--------------------------|---------|---------------------------------------------|--------------------------------------------------------------------------------|-----------------|---------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------------------|--------------------------------------|--------------------------------------|
| Nadel mit Faden<br><i>Needle with Thread</i>             | Profil<br><i>Profile</i> | Ø<br>µm | Länge<br>[l] mm<br><i>Length<br/>[l] mm</i> | Bogenlänge<br>[l <sub>b</sub> ] mm<br><i>Arc length<br/>[l<sub>b</sub>] mm</i> | Kreis<br>Circle | Länge<br>cm<br><i>Length<br/>cm</i>               | USP 11 - 0<br>Metric 0,1<br>Ø 0,01 mm | USP 10 - 0<br>Metric 0,2<br>Ø 0,02 mm | USP 9 - 0<br>Metric 0,3<br>Ø 0,03 mm              | USP 8 - 0<br>Metric 0,4<br>Ø 0,04 mm | USP 5 - 0<br>Metric 1,0<br>Ø 0,10 mm |
|                                                          |                          | 100     | 3                                           | 3,8                                                                            | 3/8             | 15                                                | 1W1033N1115                           | 1W1033N1015                           | 1W1033N0915                                       | —                                    | —                                    |
|                                                          |                          | 100     | 5                                           | 6,4                                                                            | 3/8             | 30                                                | 2W1053N1130                           | —                                     | —                                                 | —                                    | —                                    |
|                                                          |                          | 150     | 4                                           | 5,1                                                                            | 3/8             | 30                                                | —                                     | 1W1543N1030                           | 1W1543N0930                                       | —                                    | —                                    |
|                                                          |                          | 150     | 4                                           | 5,1                                                                            | 3/8             | 30                                                | —                                     | 2W1543N1030                           | 2W1543N0930                                       | 2W1543S0830                          | —                                    |
|                                                          |                          | 150     | 4                                           | 6,3                                                                            | 1/2             | 30                                                | —                                     | 1W1544N1030                           | 1W1544N0930                                       | 1W1544S0830                          | —                                    |
|                                                          |                          | 150     | 4                                           | 6,3                                                                            | 1/2             | 30                                                | —                                     | 2W1544N1030                           | 2W1544N0930                                       | 2W1544S0830                          | —                                    |
|                                                          |                          | 150     | 5                                           | 6,4                                                                            | 3/8             | 30                                                | —                                     | —                                     | 1W1553N0930                                       | —                                    | —                                    |
|                                                          |                          | 150     | 5                                           | 6,4                                                                            | 3/8             | 30                                                | —                                     | —                                     | 2W1553N0930                                       | —                                    | —                                    |
|                                                          |                          | 150     | 5                                           | 6,4                                                                            | 3/8             | 30                                                | 2W1553N1130                           | 2W1553N1030                           | —                                                 | —                                    | —                                    |
|                                                          |                          | 150     | 5                                           | 6,3                                                                            | 1/2             | 30                                                | 1W1554N1130                           | —                                     | —                                                 | —                                    | —                                    |
|                                                          |                          | 150     | 5                                           | 6,3                                                                            | 1/2             | 30                                                | —                                     | 2W1554N1030                           | —                                                 | —                                    | —                                    |
|                                                          |                          | 200     | 5                                           | 6,4                                                                            | 3/8             | 30                                                | —                                     | 1W2053N1030                           | 1W2053N0930                                       | 1W2053S0830                          | —                                    |
|                                                          |                          | 200     | 5                                           | 6,4                                                                            | 3/8             | 30                                                | —                                     | 2W2053N1030                           | 2W2053N0930                                       | 2W2053S0830                          | —                                    |
|                                                          |                          | 350     | 8                                           | 8,9                                                                            | 1/4             | 45                                                | —                                     | —                                     | —                                                 | —                                    | 1W3582S0545                          |
|                                                          |                          |         |                                             |                                                                                |                 | Artikelnummer<br><i>Article Number</i>            |                                       |                                       |                                                   |                                      |                                      |

## Mikronahtmaterial, Nadel mit V-förmiger Rundspitze mit Nylonfaden Micro Sutures, Taper Point with form V and Nylon Thread

Mikronahtmaterial besteht aus einer Nadel mit V-förmiger Rundspitze und schwarzem Nylonfaden. Das mikrochirurgische Nahtmaterial wurde speziell für die Mikrochirurgie zur Anwendung bei Blutgefäßen und Nerven entwickelt. Die V-förmige Geometrie der Nadelspitze und die glatte Oberfläche des Nylonfadens sorgen für kleinste Stichkanäle mit geringster Schädigung.

Micro suture consists of a needle with a V-shaped taper point and black nylon thread. The microsurgical sutures were especially produced for application to blood vessels and nerves. The V-shaped geometry of the needle tip and the smooth surface of the nylon threads ensure minimal suture holes with least damages.



| Nadel mit der V-Form<br>Micro Suture with form V |                   |         |                                     |                                                                          |                 | Nylonfaden, schwarz<br>Nylon Thread, black |                                         |                                       |                                       |                                      |                                      |
|--------------------------------------------------|-------------------|---------|-------------------------------------|--------------------------------------------------------------------------|-----------------|--------------------------------------------|-----------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|
| Nadel mit Faden<br>Needle with Thread            | Profil<br>Profile | Ø<br>µm | Länge<br>[l] mm<br>Length<br>[l] mm | Bogenlänge<br>[l <sub>b</sub> ] mm<br>Arc length<br>[l <sub>b</sub> ] mm | Kreis<br>Circle | Länge<br>cm<br>Length<br>cm                | USP 12 - 0<br>Metric 0,01<br>Ø 0,001 mm | USP 11 - 0<br>Metric 0,1<br>Ø 0,01 mm | USP 10 - 0<br>Metric 0,2<br>Ø 0,02 mm | USP 9 - 0<br>Metric 0,3<br>Ø 0,03 mm | USP 8 - 0<br>Metric 0,4<br>Ø 0,04 mm |
|                                                  |                   | 50      | 2                                   | 2,6                                                                      | 3/8             | 10                                         | 1V0523N1210                             | 1V0523N1110                           | 1V0523N1010                           | —                                    | —                                    |
|                                                  |                   | 50      | 3                                   | 3,8                                                                      | 3/8             | 10                                         | 1V0533N1210                             | 1V0533N1110                           | 1V0533N1010                           | —                                    | —                                    |
|                                                  |                   | 70      | 2                                   | 2,6                                                                      | 3/8             | 10                                         | —                                       | —                                     | 1V0723N1010                           | —                                    | —                                    |
|                                                  |                   | 70      | 3                                   | 3,8                                                                      | 3/8             | 10                                         | —                                       | 1V0733N1110                           | 1V0733N1010                           | —                                    | —                                    |
|                                                  |                   | 70      | 4                                   | 5,1                                                                      | 3/8             | 10                                         | 1V0743N1210                             | 1V0743N1110                           | 1V0743N1010                           | —                                    | —                                    |
|                                                  |                   | 100     | 3                                   | 3,8                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1033N1015                           | 1V1033N0915                          | —                                    |
|                                                  |                   | 100     | 3                                   | 3,3                                                                      | 1/2             | 15                                         | —                                       | 1V1034N1115                           | 1V1034N1015                           | 1V1034N0915                          | —                                    |
|                                                  |                   | 100     | 4                                   | 4,4                                                                      | 1/4             | 15                                         | —                                       | —                                     | 1V1042N1015                           | —                                    | —                                    |
|                                                  |                   | 100     | 4                                   | 5,1                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1043N1015                           | 1V1043N0915                          | 1V1043N0815                          |
|                                                  |                   | 100     | 5                                   | 6,4                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1053N1015                           | 1V1053N0915                          | —                                    |
|                                                  |                   | 140     | 3                                   | 3,8                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1433N1015                           | 1V1433N0915                          | 1V1433N0815                          |
|                                                  |                   | 140     | 4                                   | 5,1                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1443N1015                           | 1V1443N0915                          | 1V1443N0815                          |
|                                                  |                   | 140     | 5                                   | 6,4                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1453N1015                           | 1V1453N0915                          | 1V1453N0815                          |
|                                                  |                   | 150     | 6                                   | 7,7                                                                      | 3/8             | 15                                         | —                                       | —                                     | 1V1563N1015                           | 1V1563N0915                          | 1V1563N0815                          |
|                                                  |                   | 150     | 6                                   | 7,7                                                                      | 3/8             | 15                                         | —                                       | —                                     | 2V1563N1015                           | 2V1563N0915                          | —                                    |
|                                                  |                   | 200     | 5                                   | 6,4                                                                      | 3/8             | 20                                         | —                                       | —                                     | —                                     | —                                    | 1V2053N0820                          |
|                                                  |                   | 200     | 8                                   | 10,2                                                                     | 3/8             | 20                                         | —                                       | —                                     | —                                     | —                                    | 1V2083N0820                          |
|                                                  |                   |         |                                     |                                                                          |                 |                                            | Artikelnummer<br>Article Number         |                                       |                                       |                                      |                                      |

## Mikronahtmaterial, schneidende Nadel in T-Form mit Nylon- oder Seidenfaden

### Micro Sutures, Needle Taper Cut of form T with Nylon- or Silk Thread

Die Mikronadel mit Triangelform besitzt optimale Schneideigenschaften und ist bestens geeignet zur Rekonstruktion von Sehnen und für feinste Nähte. Diese Nadel ist mit höchster Präzision geschliffen und bleibt somit über lange Zeit scharf. Sie liegt trotz Triangelform stabil im Nadelhalter.

*The micro needle with triangle form ensures excellent tissue sectioning properties and is suitable for reconstruction of tendons and for finest fissures. This needle was sharpened with highest precision and remains sharp for a long time. Despite of its triangle form the needle lies comfortable in the needle holder.*



| Nadel schneidend mit der T- Form<br>Micro Sutures Taper Cut with form T |                   |         |                                     |                                                                          |                 | Nylonfaden, schwarz<br>Nylon Thread, black |                                      |                                      |                                      |                                      |                                      |
|-------------------------------------------------------------------------|-------------------|---------|-------------------------------------|--------------------------------------------------------------------------|-----------------|--------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Nadel mit Faden<br>Needle with Thread                                   | Profil<br>Profile | Ø<br>µm | Länge<br>[l] mm<br>Length<br>[l] mm | Bogenlänge<br>[l <sub>b</sub> ] mm<br>Arc length<br>[l <sub>b</sub> ] mm | Kreis<br>Circle | Länge<br>cm<br>Length<br>cm                | USP 8 - 0<br>Metric 0,4<br>Ø 0,04 mm | USP 7 - 0<br>Metric 0,5<br>Ø 0,05 mm | USP 6 - 0<br>Metric 0,7<br>Ø 0,07 mm | USP 5 - 0<br>Metric 1,0<br>Ø 0,10 mm | USP 4 - 0<br>Metric 1,5<br>Ø 0,15 mm |
|                                                                         |                   | 230     | 4                                   | 6,3                                                                      | 1/2             | 45                                         | 1T2344N0845                          | 1T2344N0745                          | —                                    | —                                    | —                                    |
|                                                                         |                   | 230     | 5                                   | 6,4                                                                      | 3/8             | 45                                         | —                                    | —                                    | 1T2353N0645                          | —                                    | —                                    |
|                                                                         |                   | 230     | 6                                   | 7,7                                                                      | 3/8             | 45                                         | —                                    | 1T2363N0745                          | 1T2363N0645                          | —                                    | —                                    |
|                                                                         |                   | 250     | 9                                   | 11,5                                                                     | 3/8             | 45                                         | —                                    | 1T2593N0745                          | 1T2593N0645                          | —                                    | —                                    |
|                                                                         |                   | 300     | 11                                  | 14                                                                       | 3/8             | 45                                         | —                                    | —                                    | 1T30113N645                          | 1T30113N545                          | —                                    |
|                                                                         |                   | 350     | 11                                  | 14                                                                       | 3/8             | 45                                         | —                                    | —                                    | —                                    | —                                    | 1T35113N445                          |
|                                                                         |                   |         |                                     |                                                                          |                 | Artikelnummer<br>Article Number            |                                      |                                      |                                      |                                      |                                      |

| Nadel schneidend mit der T- Form<br>Micro Sutures Taper Cut with form T |                   |         |                                     |                                                                          |                 | Seidenfaden, schwarz<br>Silk Thread, black |                                      |                                      |                                      |                                      |                                      |
|-------------------------------------------------------------------------|-------------------|---------|-------------------------------------|--------------------------------------------------------------------------|-----------------|--------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Nadel mit Faden<br>Needle with Thread                                   | Profil<br>Profile | Ø<br>µm | Länge<br>[l] mm<br>Length<br>[l] mm | Bogenlänge<br>[l <sub>b</sub> ] mm<br>Arc length<br>[l <sub>b</sub> ] mm | Kreis<br>Circle | Länge<br>cm<br>Length<br>cm                | USP 8 - 0<br>Metric 0,4<br>Ø 0,04 mm | USP 7 - 0<br>Metric 0,5<br>Ø 0,05 mm | USP 6 - 0<br>Metric 0,7<br>Ø 0,07 mm | USP 5 - 0<br>Metric 1,0<br>Ø 0,10 mm | USP 4 - 0<br>Metric 1,5<br>Ø 0,15 mm |
|                                                                         |                   | 230     | 6                                   | 7,7                                                                      | 3/8             | 45                                         | —                                    | 1T2363S0745                          | 1T2363S0645                          | —                                    | —                                    |
|                                                                         |                   | 250     | 9                                   | 11,5                                                                     | 3/8             | 45                                         | —                                    | 1T2593S0745                          | 1T2393S0645                          | —                                    | —                                    |
|                                                                         |                   | 300     | 11                                  | 14                                                                       | 3/8             | 45                                         | —                                    | —                                    | —                                    | 1T30113S545                          | —                                    |
|                                                                         |                   | 350     | 11                                  | 14                                                                       | 3/8             | 45                                         | —                                    | —                                    | —                                    | —                                    | 1T35113S445                          |
|                                                                         |                   |         |                                     |                                                                          |                 | Artikelnummer<br>Article Number            |                                      |                                      |                                      |                                      |                                      |

## Mikronahtmaterial, schneidende Nadel in Y-Form mit Nylonfaden Micro Sutures, Needle Taper Cut of form Y with Nylon Thread

Die schneidende Mikronadel in Y-Form ist optimal geeignet für Gefäße und Nerven. Die schneidende Funktion wird durch den speziellen Dreikantschliff an der Nadelspitze erreicht.

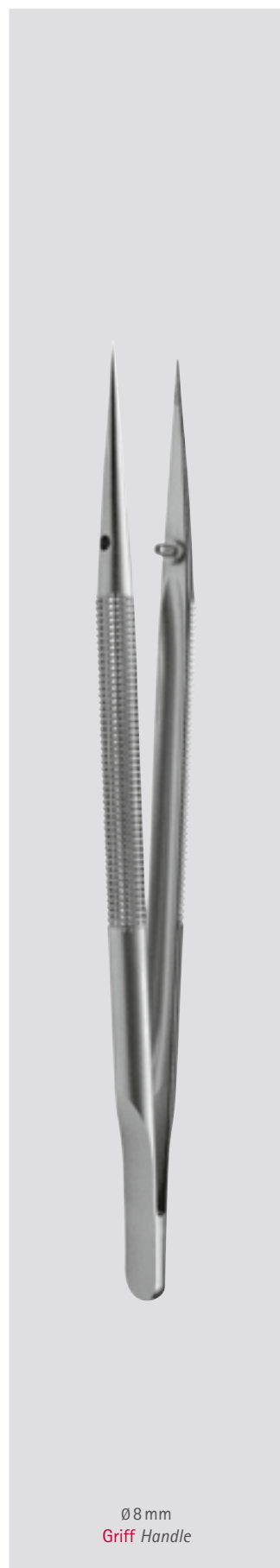
The cutting micro needle of form Y is suitable for vessels and nerves. The cutting function is achieved through the special triangular finish at the point of the needle.



| Nadel mit schneidender Spitze in Y-Form<br>Micro Sutures with Taper Cut and form Y |                   |         |                                     |                                                                          |                 | Nylonfaden, schwarz<br>Nylon Thread, black |                                       |                                       |                                      |                                      |                                      |
|------------------------------------------------------------------------------------|-------------------|---------|-------------------------------------|--------------------------------------------------------------------------|-----------------|--------------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Nadel mit Faden<br>Needle with Thread                                              | Profil<br>Profile | Ø<br>µm | Länge<br>[l] mm<br>Length<br>[l] mm | Bogenlänge<br>[l <sub>b</sub> ] mm<br>Arc length<br>[l <sub>b</sub> ] mm | Kreis<br>Circle | Länge<br>cm<br>Length<br>cm                | USP 11 - 0<br>Metric 0,1<br>Ø 0,01 mm | USP 10 - 0<br>Metric 0,2<br>Ø 0,02 mm | USP 9 - 0<br>Metric 0,3<br>Ø 0,03 mm | USP 8 - 0<br>Metric 0,4<br>Ø 0,04 mm | USP 7 - 0<br>Metric 0,5<br>Ø 0,05 mm |
|                                                                                    |                   | 70      | 3                                   | 3,3                                                                      | 1/4             | 10                                         | —                                     | 1Y0732N1010                           | —                                    | —                                    | —                                    |
|                                                                                    |                   | 70      | 3                                   | 3,8                                                                      | 3/8             | 10                                         | 1Y0733N1110                           | 1Y0733N1010                           | —                                    | —                                    | —                                    |
|                                                                                    |                   | 70      | 4                                   | 5,1                                                                      | 3/8             | 10                                         | —                                     | 1Y0743N1010                           | —                                    | —                                    | —                                    |
|                                                                                    |                   | 100     | 3                                   | 3,8                                                                      | 3/8             | 15                                         | —                                     | 1Y1033N1015                           | 1Y1033N0915                          | —                                    | —                                    |
|                                                                                    |                   | 100     | 4                                   | 4,4                                                                      | 1/4             | 15                                         | —                                     | 1Y1042N1015                           | —                                    | —                                    | —                                    |
|                                                                                    |                   | 100     | 4                                   | 5,1                                                                      | 3/8             | 15                                         | —                                     | 1Y1043N1015                           | 1Y1043N0915                          | —                                    | —                                    |
|                                                                                    |                   | 100     | 5                                   | 6,4                                                                      | 3/8             | 20                                         | —                                     | 1Y1053N1020                           | 1Y1053N0920                          | —                                    | —                                    |
|                                                                                    |                   | 140     | 3                                   | 3,8                                                                      | 3/8             | 15                                         | —                                     | 1Y1433N1015                           | 1Y1433N0915                          | 1Y1433N0815                          | —                                    |
|                                                                                    |                   | 140     | 5                                   | 5,6                                                                      | 1/4             | 15                                         | —                                     | —                                     | 1Y1452N0915                          | —                                    | —                                    |
|                                                                                    |                   | 140     | 5                                   | 6,4                                                                      | 3/8             | 15                                         | —                                     | 1Y1453N1015                           | 1Y1453N0915                          | 1Y1453N0815                          | —                                    |
|                                                                                    |                   | 150     | 6                                   | 7,7                                                                      | 3/8             | 20                                         | —                                     | —                                     | 1Y1563N0920                          | 1Y1563N0820                          | —                                    |
|                                                                                    |                   | 150     | 6                                   | 7,7                                                                      | 3/8             | 45                                         | —                                     | —                                     | 2Y1563N0945                          | 2Y1563N0845                          | —                                    |
|                                                                                    |                   | 200     | 5                                   | 6,4                                                                      | 3/8             | 15                                         | —                                     | —                                     | —                                    | 1Y2053N0815                          | —                                    |
|                                                                                    |                   | 200     | 7                                   | 8,9                                                                      | 3/8             | 45                                         | —                                     | —                                     | —                                    | —                                    | 1Y2073N0745                          |
|                                                                                    |                   |         |                                     |                                                                          |                 | Artikelnummer<br>Article Number            |                                       |                                       |                                      |                                      |                                      |

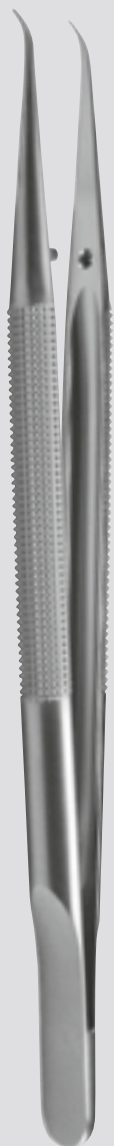
## Pinzetten mit Rundgriff

### Forceps with Round Handle

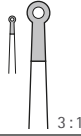
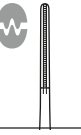
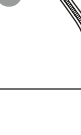


| Modell<br>Pattern | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                                                                          | 120 mm                                | 150 mm                                                          | 180 mm                                                          | 210 mm                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 0,1 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i>                                                                                           | —<br><br>—                            | <b>301-010-115</b><br><br>302-010-115                           | <b>301-010-118</b><br><br>302-010-118                           | —<br><br>—                                                      |
| 0,3 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i>                                                                                           | <b>301-010-312</b><br><br>302-010-312 | <b>301-010-315</b><br><br>302-010-315                           | <b>301-010-318</b><br><br>302-010-318                           | —<br><br>—                                                      |
| 0,6 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | —<br><br>—<br><br>—                   | <b>301-010-615</b><br><br>302-010-615<br><br><b>303-010-615</b> | <b>301-010-618</b><br><br>302-010-618<br><br><b>303-010-618</b> | <b>301-010-621</b><br><br>302-010-621<br><br><b>303-010-621</b> |
| 0,8 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | —<br><br>—<br><br>—                   | <b>301-010-815</b><br><br>302-010-815<br><br><b>303-010-815</b> | <b>301-010-818</b><br><br>302-010-818<br><br><b>303-010-818</b> | <b>301-010-821</b><br><br>302-010-821<br><br><b>303-010-821</b> |
| 0,3 mm<br>        | <b>Pinzette schmal, Spitze glatt</b><br><i>Forceps slim, tip smooth</i><br><br>Pinzette schmal, Spitze diamantiert<br><i>Forceps slim, tip diamond-coated</i>                                                                                            | —<br><br>—                            | <b>301-020-315</b><br><br>302-020-315                           | —<br><br>—                                                      | —<br><br>—                                                      |
| 0,3 mm<br>        | <b>Pinzette, Spitze glatt</b><br><i>Forceps, tip smooth</i><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i>                          | —<br><br>—<br><br>—                   | <b>301-030-315</b><br><br>302-030-315<br><br><b>303-030-315</b> | <b>301-030-318</b><br><br>302-030-318<br><br><b>303-030-318</b> | —<br><br>—<br><br>—                                             |
| 0,35 mm<br>       | <b>Pinzette gerade, Dilator</b><br><i>Forceps straight, dilator</i>                                                                                                                                                                                      | —                                     | <b>301-040-315</b>                                              | <b>301-040-318</b>                                              | —                                                               |
| 0,3 mm<br>        | <b>Pinzette gerade, mit Mauszahn</b><br><i>Forceps straight, with mouse tooth</i>                                                                                                                                                                        | <b>301-050-312</b>                    | <b>301-050-315</b>                                              | <b>301-050-318</b>                                              | <b>301-050-321</b>                                              |
| 0,3 mm<br>        | <b>Pinzette gerade, schmal, mit Mauszahn</b><br><i>Forceps straight, slim, with mouse tooth</i>                                                                                                                                                          | —                                     | <b>301-060-315</b>                                              | —                                                               | —                                                               |
| 0,6 mm<br>        | <b>Pinzette gerade, nach Pierce, Bohrung Ø 0,3 mm</b><br><i>Forceps straight, according to Pierce, drilling Ø 0,3 mm</i>                                                                                                                                 | —                                     | <b>301-070-615</b>                                              | <b>301-070-618</b>                                              | —                                                               |

## Pinzetten mit Rundgriff Forceps with Round Handle

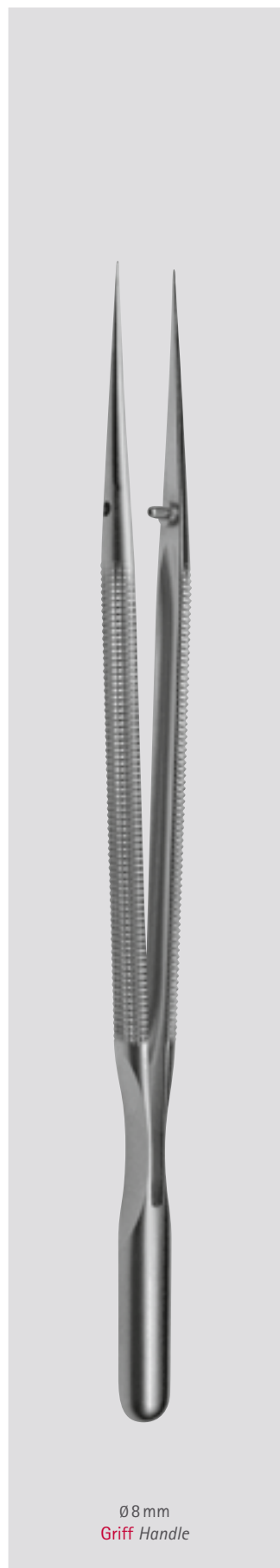


Ø8 mm  
Griff Handle

| Modell<br>Pattern                                                                                   | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                                                                                           | 120 mm                                   | 150 mm                                                         | 180 mm                                                         | 210 mm                                                         |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Ø 0,8 x 0,4 mm<br> | <b>Pinzette gerade mit Ring</b><br><i>Forceps straight with ring</i><br>Pinzette, Ring diamantiert<br><i>Forceps, ring diamond-coated</i><br><b>Pinzette gerade mit Ring, Titan</b><br><i>Forceps straight with ring, titanium</i>                                        | —<br>—<br>—                              | <b>301-080-815</b><br><b>302-080-815</b><br>—                  | <b>301-080-818</b><br><b>302-080-818</b><br>—                  | <b>301-080-821</b><br><b>302-080-821</b><br>—                  |
| Ø 1,0 x 0,5 mm<br> | <b>Pinzette gerade mit Ring</b><br><i>Forceps straight with ring</i><br>Pinzette, Ring diamantiert<br><i>Forceps, ring diamond-coated</i><br><b>Pinzette gerade, Titan mit Ring</b><br><i>Forceps straight with ring, titanium</i>                                        | —<br>—<br>—                              | <b>301-081-015</b><br><b>302-081-015</b><br><b>303-081-015</b> | <b>301-081-018</b><br><b>302-081-018</b><br><b>303-081-018</b> | <b>301-081-021</b><br><b>302-081-021</b><br><b>303-081-021</b> |
| 1,1 mm<br>         | <b>Pinzette gerade, atraumatisch</b><br><i>Forceps straight, atraumatic</i><br><br><b>Pinzette gerade, atraumatisch, Titan</b><br><i>Forceps straight, atraumatic, titanium</i>                                                                                           | —<br>—                                   | <b>301-091-115</b><br>—                                        | <b>301-091-118</b><br><b>303-091-118</b>                       | <b>301-091-121</b><br><b>303-091-121</b>                       |
| 0,3 mm<br>        | <b>Pinzette abgewinkelt, Spitze glatt</b><br><i>Forceps angulated, tip smooth</i><br><br>Pinzette abgewinkelt, Spitze diamantiert<br><i>Forceps angulated, tip diamond-coated</i>                                                                                         | <b>301-100-312</b><br><b>302-100-312</b> | <b>301-100-315</b><br><b>302-100-315</b>                       | <b>301-100-318</b><br><b>302-100-318</b>                       | —<br>—                                                         |
| 0,3 mm<br>       | <b>Pinzette abgewinkelt mit Mauszahn</b><br><i>Forceps angulated with mouse tooth</i>                                                                                                                                                                                     | <b>301-150-312</b>                       | <b>301-150-315</b>                                             | <b>301-150-318</b>                                             | <b>301-150-321</b>                                             |
| 0,6 mm<br>       | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette mit Plateau, Spitze diamantiert<br><i>Forceps with plateau, tip coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | —<br>—<br>—                              | <b>301-110-615</b><br><b>302-110-615</b><br><b>303-110-615</b> | <b>301-110-618</b><br><b>302-110-618</b><br><b>303-110-618</b> | <b>301-110-621</b><br><b>302-110-621</b><br><b>303-110-621</b> |
| 0,8 mm<br>       | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette mit Plateau, diamantiert<br><i>Forceps with plateau, tip coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i>        | —<br>—<br>—                              | <b>301-110-815</b><br><b>302-110-815</b><br><b>303-110-815</b> | <b>301-110-818</b><br><b>302-110-818</b><br><b>303-110-818</b> | <b>301-110-821</b><br><b>302-110-821</b><br><b>303-110-821</b> |
| 1,0 mm<br>       | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette mit Plateau, diamantiert<br><i>Forceps with plateau, tip coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i>        | —<br>—<br>—                              | <b>301-111-015</b><br><b>302-111-015</b><br><b>303-111-015</b> | <b>301-111-018</b><br><b>302-111-018</b><br><b>303-111-018</b> | <b>301-111-021</b><br><b>302-111-021</b><br><b>303-111-021</b> |
| 0,5 mm<br>       | <b>Pinzette aufwärts gebogen</b><br><i>Forceps upward curved</i>                                                                                                                                                                                                          | —                                        | <b>301-120-515</b>                                             | <b>301-120-518</b>                                             | —                                                              |
| 1,1 mm<br>       | <b>Pinzette abgewinkelt, atraumatisch</b><br><i>Forceps angulated, atraumatic</i>                                                                                                                                                                                         | —                                        | <b>301-131-115</b>                                             | <b>301-131-118</b>                                             | <b>301-131-121</b>                                             |

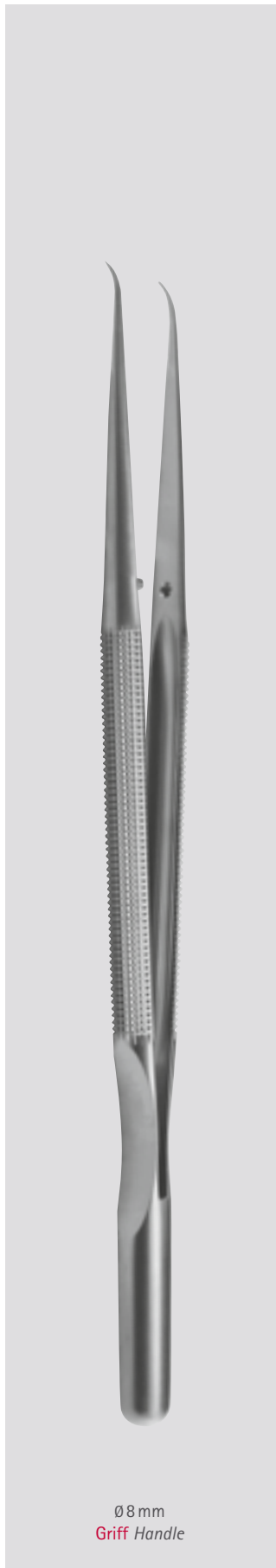
## Pinzetten mit Rundgriff und Gegengewicht

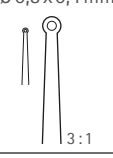
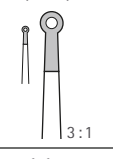
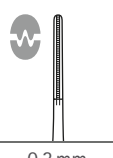
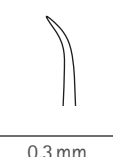
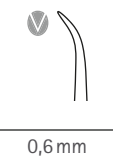
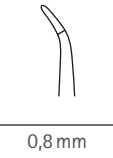
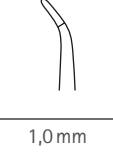
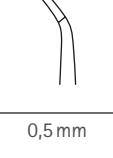
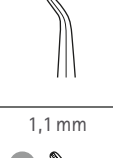
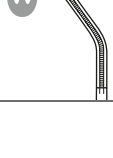
### Forceps with Round Handle and Counter Balance



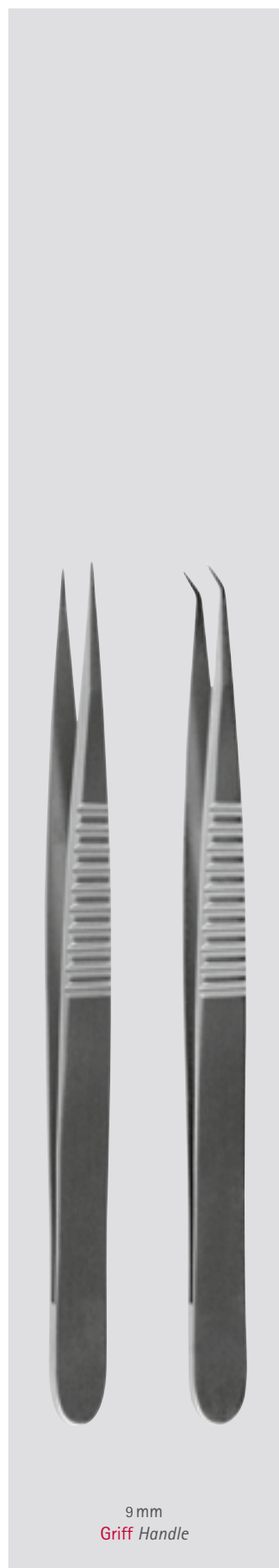
| Modell<br>Pattern | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                                                                          | 150 mm                                                      | 180 mm                                                      | 210 mm                                                      | 230 mm                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 0,1 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i>                                                                                           | <b>311-010-115</b><br><br>312-010-115                       | <b>311-010-118</b><br><br>312-010-118                       | —<br><br>—                                                  | —<br><br>—                                                  |
| 0,3 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i>                                                                                           | <b>311-010-315</b><br><br>312-010-315                       | <b>311-010-318</b><br><br>312-010-318                       | —<br><br>—                                                  | —<br><br>—                                                  |
| 0,6 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | <b>311-010-615</b><br><br>312-010-615<br><b>313-010-615</b> | <b>311-010-618</b><br><br>312-010-618<br><b>313-010-618</b> | <b>311-010-621</b><br><br>312-010-621<br><b>313-010-621</b> | —<br><br>—<br><br>—                                         |
| 0,8 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | <b>311-010-815</b><br><br>312-010-815<br><b>313-010-815</b> | <b>311-010-818</b><br><br>312-010-818<br><b>313-010-818</b> | <b>311-010-821</b><br><br>312-010-821<br><b>313-010-821</b> | <b>311-010-823</b><br><br>312-010-823<br><b>313-010-823</b> |
| 0,3 mm<br>        | <b>Pinzette schmal mit Plateau, Spitze glatt</b><br><i>Forceps slim with plateau, tip smooth</i><br>Pinzette schmal, Spitze diamantiert<br><i>Forceps slim, tip diamond-coated</i>                                                                       | <b>311-020-315</b><br><br>312-020-315                       | —<br><br>—                                                  | —<br><br>—                                                  | —<br><br>—                                                  |
| 0,3 mm<br>        | <b>Pinzette, Spitze glatt</b><br><i>Forceps, tip smooth</i><br>Pinzette, Spitze diamantiert<br><i>Forceps, tip diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i>                          | <b>311-030-315</b><br><br>312-030-315<br><b>313-030-315</b> | <b>311-030-318</b><br><br>312-030-318<br><br>—              | —<br><br>—<br><br>—                                         | —<br><br>—<br><br>—                                         |
| 0,3 mm<br>        | <b>Dilator mit Plateau, Spitze 4 mm lang</b><br><i>Dilator with plateau, tip 4 mm length</i>                                                                                                                                                             | <b>311-040-315</b>                                          | <b>311-040-318</b>                                          | —                                                           | —                                                           |
| 0,3 mm<br>        | <b>Pinzette gerade mit Maus Zahn</b><br><i>Forceps straight with mouse tooth</i>                                                                                                                                                                         | <b>311-050-315</b>                                          | <b>311-050-318</b>                                          | <b>311-050-321</b>                                          | —                                                           |
| 0,3 mm<br>        | <b>Pinzette gerade, schmal mit Maus Zahn</b><br><i>Forceps straight, slim, with mouse tooth</i>                                                                                                                                                          | —                                                           | <b>311-060-318</b>                                          | —                                                           | —                                                           |
| 0,6 mm<br>        | <b>Pinzette gerade, nach Pierce, Bohrung Ø 0,3 mm</b><br><i>Forceps straight, according to Pierce, drilling Ø 0,3 mm</i>                                                                                                                                 | <b>311-070-615</b>                                          | <b>311-070-618</b>                                          | —                                                           | —                                                           |

## Pinzetten mit Rundgriff und Gegengewicht Forceps with Round Handle and Counter Balance



| Modell<br>Pattern                                                                                        | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                                                                                             | 120 mm | 150 mm             | 180 mm             | 210 mm             |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--------------------|--------------------|
| <br>Ø 0,8x0,4 mm<br>3:1 | <b>Pinzette gerade mit Ring</b><br><i>Forceps straight with ring</i><br><br><b>Pinzette gerade mit Ring, Titan</b><br><i>Forceps straight with ring, titanium</i>                                                                                                           | —      | <b>311-080-815</b> | <b>311-080-818</b> | <b>311-080-821</b> |
| <br>Ø 1,0x0,5 mm<br>3:1 | <b>Pinzette gerade mit Ring</b><br><i>Forceps straight with ring</i><br><br><b>Pinzette gerade mit Ring, Titan</b><br><i>Forceps straight with ring, titanium</i>                                                                                                           | —      | —                  | <b>313-081-018</b> | <b>313-081-021</b> |
| <br>1,1 mm              | <b>Pinzette gerade, atraumatisch</b><br><i>Forceps straight, atraumatic</i><br><br><b>Pinzette gerade, atraumatisch, Titan</b><br><i>Forceps straight, atraumatic, titanium</i>                                                                                             | —      | —                  | —                  | —                  |
| <br>0,3 mm             | <b>Pinzette abgewinkelt, Spitze glatt</b><br><i>Forceps angulated, tip smooth</i><br><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>                                                                                                          | —      | <b>311-100-315</b> | <b>311-100-318</b> | —                  |
| <br>0,3 mm            | <b>Pinzette abgewinkelt mit Mauszahn</b><br><i>Forceps angulated with mouse tooth</i>                                                                                                                                                                                       | —      | —                  | <b>311-150-318</b> | <b>311-150-321</b> |
| <br>0,6 mm            | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><b>Pinzette mit Plateau diamantiert</b><br><i>Forceps with plateau diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | —      | <b>311-110-615</b> | <b>311-110-618</b> | <b>311-110-621</b> |
| <br>0,8 mm            | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><b>Pinzette mit Plateau diamantiert</b><br><i>Forceps with plateau diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | —      | <b>311-110-815</b> | <b>311-110-818</b> | <b>311-110-821</b> |
| <br>1,0 mm            | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><b>Pinzette mit Plateau diamantiert</b><br><i>Forceps with plateau diamond-coated</i><br><b>Pinzette, Spitze diamantiert, Titan</b><br><i>Forceps, tip diamond-coated, titanium</i> | —      | <b>311-111-015</b> | <b>311-111-018</b> | <b>311-111-021</b> |
| <br>0,5 mm            | <b>Pinzette aufwärts gebogen</b><br><i>Forceps upward curved</i>                                                                                                                                                                                                            | —      | —                  | <b>311-120-518</b> | —                  |
| <br>1,1 mm            | <b>Pinzette abgewinkelt, atraumatisch</b><br><i>Forceps angulated, atraumatic</i>                                                                                                                                                                                           | —      | <b>311-131-115</b> | —                  | <b>311-131-121</b> |

## Pinzetten mit Flachgriff Forceps with Flat Handle

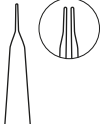
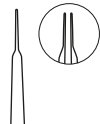
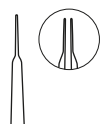
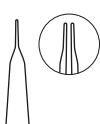
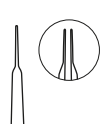
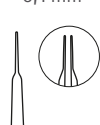
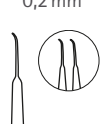
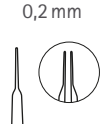


| Modell<br>Pattern | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                            | 110 mm                            | 135 mm                            | 150 mm                            | 180 mm                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 0,3 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><b>Pinzette mit Plateau, Spitze diamantiert</b><br><i>Forceps with plateau, tip diamond-coated</i> | —<br>—                            | <b>321-010-313</b><br>322-010-313 | <b>321-010-315</b><br>322-010-315 | <b>321-010-318</b><br>322-010-318 |
| 0,6 mm<br>        | <b>Pinzette mit Plateau, Spitze glatt</b><br><i>Forceps with plateau, tip smooth</i><br><b>Pinzette, Spitze diamantiert mit Plateau</b><br><i>Forceps with plateau, tip diamond-coated</i> | —<br>—                            | <b>321-010-613</b><br>322-010-613 | <b>321-010-615</b><br>322-010-615 | <b>321-010-618</b><br>322-010-618 |
| 0,3 mm<br>        | <b>Pinzette, Spitze glatt</b><br><i>Forceps, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>                                                   | <b>321-030-311</b><br>322-030-311 | <b>321-030-313</b><br>322-030-313 | <b>321-030-315</b><br>322-030-315 | <b>321-030-318</b><br>322-030-318 |
| 0,6 mm<br>        | <b>Pinzette, Spitze glatt</b><br><i>Forceps, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>                                                   | <b>321-030-611</b><br>322-030-611 | <b>321-030-613</b><br>322-030-613 | <b>321-030-615</b><br>322-030-615 | <b>321-030-618</b><br>322-030-618 |
| 1,0 mm<br>        | <b>Pinzette, Spitze glatt</b><br><i>Forceps, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>                                                   | —<br>—                            | <b>321-031-013</b><br>322-031-013 | <b>321-031-015</b><br>322-031-015 | <b>321-031-018</b><br>322-031-018 |
| 0,3 mm<br>        | <b>Pinzette abgewinkelt mit Plateau, Spitze glatt</b><br><i>Forceps angulated with plateau, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>    | <b>321-110-311</b><br>322-110-311 | <b>321-110-313</b><br>322-110-313 | <b>321-110-315</b><br>322-110-315 | <b>321-110-318</b><br>322-110-318 |
| 0,6 mm<br>        | <b>Pinzette abgewinkelt mit Plateau, Spitze glatt</b><br><i>Forceps angulated with plateau, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>    | —<br>—                            | <b>321-110-613</b><br>322-110-613 | <b>321-110-615</b><br>322-110-615 | <b>321-110-618</b><br>322-110-618 |
| 0,3 mm<br>        | <b>Pinzette abgewinkelt, Spitze glatt</b><br><i>Forceps angulated, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>                             | <b>321-100-311</b><br>322-100-311 | <b>321-100-313</b><br>322-100-313 | <b>321-100-315</b><br>322-100-315 | <b>321-100-318</b><br>322-100-318 |
| 0,6 mm<br>        | <b>Pinzette abgewinkelt, Spitze glatt</b><br><i>Forceps angulated, tip smooth</i><br><b>Pinzette, Spitze diamantiert</b><br><i>Forceps, tip diamond-coated</i>                             | <b>321-100-611</b><br>322-100-611 | <b>321-100-613</b><br>322-100-613 | <b>321-100-615</b><br>322-100-615 | <b>321-100-618</b><br>322-100-618 |
| 0,6 mm<br>        | <b>Pinzette gerade, nach Pierce, Bohrung Ø 0,3 mm</b><br><i>Forceps straight, according to Pierce, drilling Ø 0,3 mm</i>                                                                   | —                                 | <b>321-070-613</b>                | <b>321-070-615</b>                | —                                 |

Gefäßdilatoren sind Pinzetten mit verlängerten, parallelen, hochglanzpolierten Spitzen. Dilatoren werden für Gefässerweiterungen verwendet. Durch die Kugelform der Spitzen wird der Dilatationsdruck gleichmäßig verteilt.

Vascular dilators are forceps with prolonged, parallel, high gloss polished tips. Dilators are used for vascular dilatation. The ball shaped tips help to equally distribute the dilatation pressure.



| Modell<br>Pattern                                                                             | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                                             | 110 mm                         | 135 mm      | 180 mm      |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|-------------|
| 0,3 mm<br>   | Dilator abgewinkelt 10°, Spitze 0,3 mm x 4 mm<br><i>Dilator angulated 10°, tip 0.3 mm x 4 mm</i><br><br>Dilator abgewinkelt 10°, Spitze diamantiert 0,3x4 mm<br><i>Dilator angulated 10°, tip diamond-coated 0.3 x 4 mm</i> | 321-144-311<br><br>322-144-311 |             |             |
| 0,2 mm<br>   | Dilator abgewinkelt 10°, Spitze 0,2 mm x 8 mm<br><i>Dilator angulated 10°, tip 0.2 mm x 8 mm</i>                                                                                                                            | 321-148-211                    | —           | —           |
| 0,1 mm<br>  | Dilator abgewinkelt 10°, Spitze 0,1 mm x 8 mm<br><i>Dilator angulated 10°, tip 0.1 mm x 8 mm</i>                                                                                                                            | 321-148-111                    | —           | —           |
| 0,3 mm<br> | Dilator gerade, Spitze 0,3 mm x 4 mm<br><i>Dilator straight, tip 0.3 mm x 4 mm</i>                                                                                                                                          | 321-040-211                    | 321-040-213 | 321-040-218 |
| 0,2 mm<br> | Dilator gerade, Spitze 0,2 mm x 8 mm<br><i>Dilator straight, tip 0.2 mm x 8 mm</i>                                                                                                                                          | —                              | 321-048-213 | 321-048-218 |
| 0,1 mm<br> | Dilator gerade, Spitze 0,1 mm x 8 mm<br><i>Dilator straight, tip 0.1 mm x 8 mm</i>                                                                                                                                          | —                              | —           | 321-048-118 |
| 0,2 mm<br> | Dilator gebogen, Spitze 0,2 mm x 8 mm<br><i>Dilator curved, tip 0.2 mm x 8 mm</i>                                                                                                                                           | —                              | 321-248-213 | 321-248-218 |
| 0,2 mm<br> | Dilator abgewinkelt 45°, Spitze 0,2 mm x 4 mm<br><i>Dilator angulated 45°, tip 0.2 mm x 8 mm</i>                                                                                                                            | —                              | 321-044-213 | 321-044-218 |
| 0,2 mm<br> | Dilator gerade, Spitze 0,2 x 8 mm, 7 mm Griffbreite<br><i>Dilator straight, tip 0.2 mm x 8 mm 7 mm width handle</i>                                                                                                         | —                              | 321-748-213 | —           |

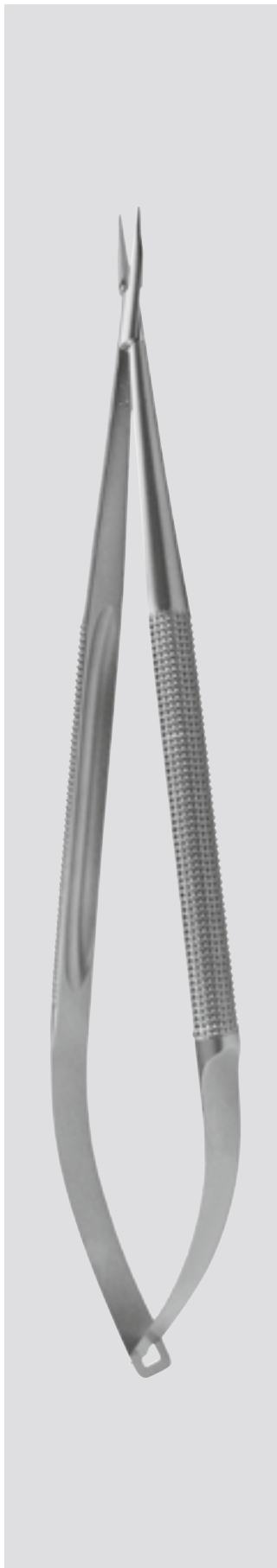
## Nadelhalter gerade mit Rundgriff

Needle Holders straight with Round Handle



| Modell<br>Pattern                                                                                                        | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                                                                                                                                                                        | 110 mm                                                                 | 125 mm                                                                 | 130 mm                                                                 | 140 mm                                                                 |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| 0,5 mm<br><br>Ø 7 mm<br>Griff Handle    | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i><br><b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i><br>Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i><br>Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i> | —<br>—<br>—<br>—                                                       | <b>361-010-512</b><br><b>361-020-512</b><br>362-010-512<br>362-020-512 | —<br>—<br>—<br>—                                                       | —<br>—<br>—<br>—                                                       |
| 0,2 mm<br><br>Ø 8 mm<br>Griff Handle    | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i><br><b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i><br>Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i><br>Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i> | —<br>—<br>—<br>—                                                       | —<br>—<br>—<br>—                                                       | <b>361-110-213</b><br><b>361-120-213</b><br>362-110-213<br>362-120-213 | <b>361-110-214</b><br><b>361-120-214</b><br>362-110-214<br>362-120-214 |
| 0,4 mm<br><br>Ø 8 mm<br>Griff Handle  | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i><br><b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i><br>Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i><br>Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i> | <b>361-110-411</b><br><b>361-120-411</b><br>362-110-411<br>362-120-411 | —<br>—<br>—<br>—                                                       | <b>361-110-413</b><br><b>361-120-413</b><br>362-110-413<br>362-120-413 | —<br><b>361-120-414</b><br>—<br>—                                      |
| 0,4 mm<br><br>Ø 10 mm<br>Griff Handle | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i><br><b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i><br>Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i><br>Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i> | —<br>—<br>—<br>—                                                       | —<br>—<br>—<br>—                                                       | <b>361-210-413</b><br><b>361-220-413</b><br>362-210-413<br>362-220-413 | —<br>—<br>—<br>—                                                       |
| 0,6 mm<br><br>Ø 8 mm<br>Griff Handle  | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i><br><b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i><br>Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i><br>Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i> | —<br>—<br>—<br>—                                                       | <b>361-110-612</b><br><b>361-120-612</b><br>—<br>—                     | —<br>—<br>—<br>—                                                       | <b>361-110-614</b><br><b>361-120-614</b><br>362-110-614<br>362-120-614 |
| 0,8 mm<br><br>Ø 8 mm<br>Griff Handle  | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i><br><b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i><br>Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i><br>Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i> | —<br>—<br>—<br>—                                                       | —<br>—<br>—<br>—                                                       | <b>361-110-813</b><br><b>361-120-813</b><br>—<br>—                     | <b>361-110-814</b><br><b>361-120-814</b><br>362-110-814<br>362-120-814 |

## Nadelhalter gerade mit Rundgriff Needle Holders straight with Round Handle



| Modell<br>Pattern                                                                                                                | Artikel in verschiedenen Längen<br>Article in different lengths                                         | 150 mm             | 180 mm             | 210 mm             | 230 mm             |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| 0,4 mm<br><br><br><br>Ø 8 mm<br>Griff Handle    | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i>                      | <b>361-110-415</b> | <b>361-110-418</b> | <b>361-110-421</b> | —                  |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>                 | <b>361-120-415</b> | —                  | <b>361-120-421</b> | —                  |
|                                                                                                                                  | Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                        | 362-110-415        | —                  | —                  | —                  |
|                                                                                                                                  | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                       | 362-120-415        | —                  | —                  | —                  |
|                                                                                                                                  | <b>Nadelhalter gerade, diamantiert, Titan</b><br><i>Needle Holder, diamond coated, titanium</i>         | <b>363-110-415</b> | —                  | —                  | —                  |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, diamantiert, Titan</b><br><i>Needle Holder with lock, diamond coated, Ti</i> | <b>363-120-415</b> | —                  | —                  | —                  |
| 0,6 mm<br><br><br><br>Ø 8 mm<br>Griff Handle    | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i>                      | <b>361-110-615</b> | <b>361-110-618</b> | —                  | —                  |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>                 | <b>361-120-615</b> | <b>361-120-618</b> | —                  | —                  |
|                                                                                                                                  | Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                        | 362-110-615        | 362-110-618        | —                  | —                  |
|                                                                                                                                  | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                       | 362-120-615        | 362-120-618        | —                  | —                  |
|                                                                                                                                  | <b>Nadelhalter gerade, diamantiert, Titan</b><br><i>Needle Holder, diamond coated, titanium</i>         | <b>363-110-615</b> | <b>363-110-618</b> | —                  | —                  |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, diamantiert, Titan</b><br><i>Needle Holder with lock, diamond coated, Ti</i> | <b>363-120-615</b> | <b>363-120-618</b> | —                  | —                  |
| 0,6 mm<br><br><br><br>Ø 10 mm<br>Griff Handle | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i>                      | <b>361-210-615</b> | <b>361-210-618</b> | <b>361-210-621</b> | <b>361-210-623</b> |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>                 | <b>361-220-615</b> | <b>361-220-618</b> | <b>361-220-621</b> | <b>361-220-623</b> |
|                                                                                                                                  | Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                        | 362-210-615        | 362-210-618        | 362-210-621        | 362-210-623        |
|                                                                                                                                  | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                       | 362-220-615        | 362-220-618        | 362-220-621        | 362-220-623        |
|                                                                                                                                  | <b>Nadelhalter gerade, diamantiert, Titan</b><br><i>Needle Holder, diamond coated, titanium</i>         | <b>363-210-615</b> | <b>363-210-618</b> | <b>363-210-621</b> | <b>363-210-623</b> |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, diamantiert, Titan</b><br><i>Needle Holder with lock, diamond coated, Ti</i> | <b>363-220-615</b> | <b>363-220-618</b> | <b>363-220-621</b> | <b>363-220-623</b> |
| 0,8 mm<br><br><br><br>Ø 8 mm<br>Griff Handle  | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i>                      | <b>361-110-815</b> | <b>361-110-818</b> | <b>361-110-821</b> | <b>361-110-823</b> |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>                 | <b>361-120-815</b> | <b>361-120-818</b> | <b>361-120-821</b> | <b>361-120-823</b> |
|                                                                                                                                  | Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                        | 362-110-815        | 362-110-818        | 362-110-821        | 362-110-823        |
|                                                                                                                                  | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                       | 362-120-815        | 362-120-818        | 362-120-821        | 362-120-823        |
|                                                                                                                                  | <b>Nadelhalter gerade, diamantiert, Titan</b><br><i>Needle Holder, diamond coated, titanium</i>         | <b>363-110-815</b> | <b>363-110-818</b> | <b>363-110-821</b> | <b>363-110-823</b> |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, diamantiert, Titan</b><br><i>Needle Holder with lock, diamond coated, Ti</i> | <b>363-120-815</b> | <b>363-120-818</b> | <b>363-120-821</b> | <b>363-120-823</b> |
| 1,2 mm<br><br><br><br>Ø 8 mm<br>Griff Handle  | <b>Nadelhalter gerade, Maul glatt</b><br><i>Needle Holder straight, jaw smooth</i>                      | —                  | <b>361-111-218</b> | <b>361-111-221</b> | <b>361-111-223</b> |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>                 | —                  | <b>361-121-218</b> | <b>361-121-221</b> | <b>361-121-223</b> |
|                                                                                                                                  | Nadelhalter gerade, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                        | —                  | 362-111-218        | 362-111-221        | 362-111-223        |
|                                                                                                                                  | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                       | —                  | 362-121-218        | 362-121-221        | 362-121-223        |
|                                                                                                                                  | <b>Nadelhalter gerade, diamantiert, Titan</b><br><i>Needle Holder, diamond coated, titanium</i>         | —                  | <b>363-111-218</b> | <b>363-111-221</b> | <b>363-111-223</b> |
|                                                                                                                                  | <b>Nadelhalter mit Sperre, diamantiert, Titan</b><br><i>Needle Holder with lock, diamond coated, Ti</i> | —                  | <b>363-121-218</b> | <b>363-121-221</b> | <b>363-121-223</b> |

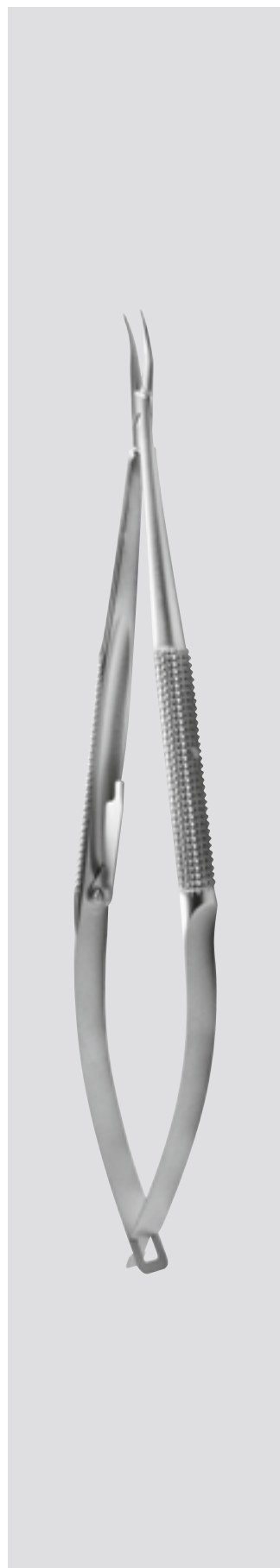
## Nadelhalter gebogen mit Rundgriff

Needle Holders curved with Round Handle



| Modell<br>Pattern                                                                                                               | Artikel in verschiedenen Längen<br>Article in different lengths                                                                 | 110 mm      | 120 mm      | 130 mm      | 140 mm      |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| 0,4 mm<br><br>Ø 7 mm<br><b>Griff Handle</b>    | Nadelhalter gebogen, Maul glatt<br><i>Needle Holder curved, jaw smooth</i>                                                      | —           | 361-410-412 | —           | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br><i>Needle Holder with lock, jaw smooth</i>                                                | —           | 361-420-412 | —           | —           |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder curved, jaw coated</i>                                                | —           | —           | —           | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                                               | —           | —           | —           | —           |
| 0,2 mm<br><br>Ø 8 mm<br><b>Griff Handle</b>    | Nadelhalter gebogen, Maul glatt<br><i>Needle Holder curved, jaw smooth</i>                                                      | —           | —           | 361-510-213 | 361-510-214 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br><i>Needle Holder with lock, jaw smooth</i>                                                | —           | —           | 361-520-213 | 361-520-214 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder curved, jaw coated</i>                                                | —           | —           | 362-510-213 | 362-510-214 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                                               | —           | —           | 362-520-213 | 362-520-214 |
| 0,4 mm<br><br>Ø 8 mm<br><b>Griff Handle</b>   | Nadelhalter gebogen, Maul glatt<br><i>Needle Holder curved, jaw smooth</i>                                                      | 361-510-411 | —           | 361-510-413 | 361-510-414 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br><i>Needle Holder with lock, jaw smooth</i>                                                | 361-520-411 | —           | 361-520-413 | 361-520-414 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder curved, jaw coated</i>                                                | 362-510-411 | —           | 362-510-413 | 362-510-414 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                                               | 362-520-411 | —           | 362-520-413 | 362-520-414 |
| 0,5 mm<br><br>Ø 10 mm<br><b>Griff Handle</b> | Nadelhalter gebogen, Maul glatt<br><i>Needle Holder curved, jaw smooth</i>                                                      | —           | 361-510-512 | 361-510-513 | 361-510-514 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br><i>Needle Holder with lock, jaw smooth</i>                                                | —           | 361-520-512 | 361-520-513 | 361-520-514 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder curved, jaw coated</i>                                                | —           | —           | —           | 362-510-514 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                                               | —           | —           | —           | 362-520-514 |
| 0,8 mm<br><br>Ø 8 mm<br><b>Griff Handle</b>  | Nadelhalter gebogen, Maul glatt<br><i>Needle Holder curved, jaw smooth</i>                                                      | —           | —           | 361-510-813 | 361-510-814 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br><i>Needle Holder with lock, jaw smooth</i>                                                | —           | —           | 361-520-813 | 361-520-814 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder curved, jaw coated</i>                                                | —           | —           | —           | 362-510-814 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                                               | —           | —           | —           | 362-520-814 |
| Modell<br>Pattern                                                                                                               | Artikel in verschiedenen Längen<br>Article in different lengths                                                                 | 140 mm      | 150 mm      | 180 mm      | 210 mm      |
| 0,6 mm<br><br>Ø 8 mm<br><b>Griff Handle</b>  | Nadelhalter gebogen konkav-konvex, rechte Hand<br><i>Needle Holder curved concave-convex, right hand</i>                        | 361-710-614 | —           | 361-710-618 | —           |
|                                                                                                                                 | Nadelhalter gebogen, mit Sperre konkav-konvex, rechte Hand<br><i>Needle Holder curved, with lock concave-convex, right hand</i> | 361-720-614 | —           | —           | —           |
| 0,6 mm<br><br>Ø 8 mm<br><b>Griff Handle</b>  | Nadelhalter gebogen konkav-konvex, linke Hand<br><i>Needle Holder curved concave-convex, left hand</i>                          | 361-810-614 | —           | 361-810-618 | —           |
|                                                                                                                                 | Nadelhalter gebogen, mit Sperre konkav-konvex, linke Hand<br><i>Needle Holder curved, with lock concave-convex, left hand</i>   | 361-820-614 | —           | —           | —           |

## Nadelhalter gebogen mit Rundgriff Needle Holders curved with Round Handle



| Modell<br>Pattern                                                                                                               | Artikel in verschiedenen Längen<br>Article in different lengths                           | 150 mm      | 180 mm      | 210 mm      | 230 mm      |
|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| 0,2 mm<br><br><br><br>Ø 8 mm<br>Griff Handle   | Nadelhalter gebogen, Maul glatt<br>Needle Holder curved, jaw smooth                       | 361-510-215 | 361-510-218 | —           | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 361-520-215 | 361-520-218 | —           | —           |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br>Needle Holder curved, jaw coated                 | 362-510-215 | 362-510-218 | —           | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 362-520-215 | 362-520-218 | —           | —           |
| 0,4 mm<br><br><br><br>Ø 8 mm<br>Griff Handle   | Nadelhalter gebogen, Maul glatt<br>Needle Holder curved, jaw smooth                       | 361-510-415 | 361-510-418 | 361-510-421 | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 361-520-415 | 361-520-418 | 361-520-421 | —           |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br>Needle Holder, jaw diamond coated                | 362-510-415 | —           | —           | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 362-520-415 | —           | —           | —           |
|                                                                                                                                 | Nadelhalter gebogen, diamantiert, Titan<br>Needle Holder, diamond coated, titanium        | 363-510-415 | —           | —           | —           |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | 363-520-415 | —           | —           | —           |
| 0,6 mm<br><br><br><br>Ø 8 mm<br>Griff Handle | Nadelhalter gebogen, Maul glatt<br>Needle Holder curved, jaw smooth                       | 361-510-615 | 361-510-618 | 361-510-621 | 361-510-623 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 361-520-615 | 361-520-618 | 361-520-621 | 361-520-623 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br>Needle Holder, jaw diamond coated                | 362-510-615 | 362-510-618 | 362-510-621 | 362-510-623 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 362-520-615 | 362-520-618 | 362-520-621 | 362-520-623 |
|                                                                                                                                 | Nadelhalter gebogen, diamantiert, Titan<br>Needle Holder, diamond coated, titanium        | 363-510-615 | 363-510-618 | 363-510-621 | 363-510-623 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | 363-520-615 | 363-520-618 | 363-520-621 | 363-520-623 |
| 0,8 mm<br><br><br><br>Ø 8 mm<br>Griff Handle | Nadelhalter gebogen, Maul glatt<br>Needle Holder curved, jaw smooth                       | 361-510-815 | 361-510-818 | 361-510-821 | 361-510-823 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 361-520-815 | 361-520-818 | 361-520-821 | 361-520-823 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br>Needle Holder, jaw diamond coated                | 362-510-815 | 362-510-818 | 362-510-821 | 362-510-823 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 362-520-815 | 362-520-818 | 362-520-821 | 362-520-823 |
|                                                                                                                                 | Nadelhalter gebogen, diamantiert, Titan<br>Needle Holder, diamond coated, titanium        | 363-510-815 | 363-510-818 | 363-510-821 | 363-510-823 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | 363-520-815 | 363-520-818 | 363-520-821 | 363-520-823 |
| 1,2 mm<br><br><br><br>Ø 8 mm<br>Griff Handle | Nadelhalter gebogen, Maul glatt<br>Needle Holder curved, jaw smooth                       | 361-511-215 | 361-511-218 | 361-511-221 | 361-511-223 |
|                                                                                                                                 | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 361-521-215 | 361-521-218 | 361-521-221 | 361-521-223 |
|                                                                                                                                 | Nadelhalter gebogen, Maul diamantiert<br>Needle Holder, jaw diamond coated                | 362-511-215 | 362-511-218 | 362-511-221 | 362-511-223 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 362-521-215 | 362-521-218 | 362-521-221 | 362-521-223 |
|                                                                                                                                 | Nadelhalter gebogen, diamantiert, Titan<br>Needle Holder, diamond coated, titanium        | 363-511-215 | 363-511-218 | 363-511-221 | 363-511-223 |
|                                                                                                                                 | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | 363-521-215 | 363-521-218 | 363-521-221 | 363-521-223 |

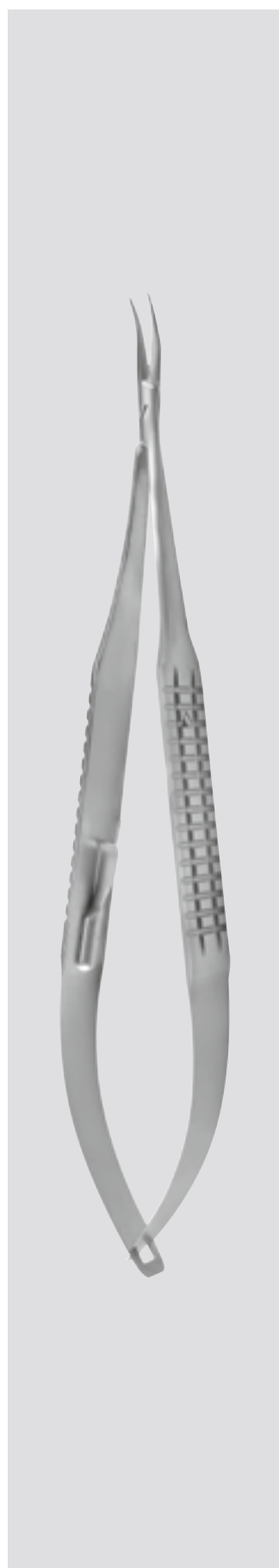
## Nadelhalter gerade mit Flachgriff

### Needle Holders straight with Flat Handle



| Modell<br>Pattern                                                                                                      | Artikel in verschiedenen Längen<br>Article in different lengths                           | 120 mm      | 140 mm      | 150 mm      | 180 mm      |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| 0,2 mm<br><br>10 mm<br>Griff Handle   | Nadelhalter gerade, Maul glatt<br>Needle Holder straight, jaw smooth                      | 371-210-212 | —           | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 371-220-212 | —           | —           | —           |
|                                                                                                                        | Nadelhalter gerade, Maul diamantiert<br>Needle Holder, jaw diamond coated                 | 372-210-212 | —           | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 372-220-212 | —           | —           | —           |
|                                                                                                                        | Nadelhalter gerade, diamantiert, Titan<br>Needle Holder, diamond coated, titanium         | —           | —           | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | —           | —           | —           | —           |
| 0,4 mm<br><br>10 mm<br>Griff Handle   | Nadelhalter gerade, Maul glatt<br>Needle Holder straight, jaw smooth                      | —           | 371-210-414 | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | —           | 371-220-414 | —           | —           |
|                                                                                                                        | Nadelhalter gerade, Maul diamantiert<br>Needle Holder, jaw diamond coated                 | —           | 372-210-414 | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | —           | 372-220-414 | —           | —           |
|                                                                                                                        | Nadelhalter gerade, diamantiert, Titan<br>Needle Holder, diamond coated, titanium         | —           | —           | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | —           | —           | —           | —           |
| 0,6 mm<br><br>10 mm<br>Griff Handle | Nadelhalter gerade, Maul glatt<br>Needle Holder straight, jaw smooth                      | 371-210-612 | 371-210-614 | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 371-220-612 | 371-220-614 | —           | —           |
|                                                                                                                        | Nadelhalter gerade, Maul diamantiert<br>Needle Holder, jaw diamond coated                 | 372-210-612 | 372-210-614 | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 372-220-612 | 372-220-614 | —           | —           |
|                                                                                                                        | Nadelhalter gerade, diamantiert, Titan<br>Needle Holder, diamond coated, titanium         | —           | —           | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | —           | —           | —           | —           |
| 0,8 mm<br><br>10 mm<br>Griff Handle | Nadelhalter gerade, Maul glatt<br>Needle Holder straight, jaw smooth                      | 371-210-812 | 371-210-814 | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 371-220-812 | 371-220-814 | —           | —           |
|                                                                                                                        | Nadelhalter gerade, Maul diamantiert<br>Needle Holder, jaw diamond coated                 | 372-210-812 | 372-210-814 | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 372-220-812 | 372-220-814 | —           | —           |
|                                                                                                                        | Nadelhalter gerade, diamantiert, Titan<br>Needle Holder, diamond coated, titanium         | —           | —           | —           | —           |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | —           | —           | —           | —           |
| 1,0 mm<br><br>10 mm<br>Griff Handle | Nadelhalter gerade, Maul glatt<br>Needle Holder straight, jaw smooth                      | 371-211-012 | 371-211-014 | 371-211-015 | 371-211-018 |
|                                                                                                                        | Nadelhalter mit Sperre, Maul glatt<br>Needle Holder with lock, jaw smooth                 | 371-221-012 | 371-221-014 | 371-221-015 | 371-221-018 |
|                                                                                                                        | Nadelhalter gerade, Maul diamantiert<br>Needle Holder, jaw diamond coated                 | 372-211-012 | 372-211-014 | 372-211-015 | 372-211-018 |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert<br>Needle Holder with lock, jaw coated                | 372-221-012 | 372-221-014 | 372-221-015 | 372-221-018 |
|                                                                                                                        | Nadelhalter gerade, diamantiert, Titan<br>Needle Holder, diamond coated, titanium         | —           | —           | 373-211-015 | 373-211-018 |
|                                                                                                                        | Nadelhalter mit Sperre, diamantiert, Titan<br>Needle Holder with lock, diamond coated, Ti | —           | —           | 373-221-015 | 373-221-018 |

## Nadelhalter gebogen mit Flachgriff Needle Holders curved with Flat Handle



| Modell<br>Pattern                                                                                                                     | Artikel in verschiedenen Längen<br>Article in different lengths                                  | 120 mm             | 140 mm             | 150 mm             | 180 mm             |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| 0,2 mm<br><br><br><br>10 mm<br><b>Griff Handle</b>   | <b>Nadelhalter gebogen, Maul glatt</b><br><i>Needle Holder curved, jaw smooth</i>                | <b>371-610-212</b> | <b>371-610-214</b> | —                  | —                  |
|                                                                                                                                       | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>          | <b>371-620-212</b> | <b>371-620-214</b> | —                  | —                  |
|                                                                                                                                       | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                | 372-610-212        | 372-610-214        | —                  | —                  |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                | 372-620-212        | 372-620-214        | —                  | —                  |
|                                                                                                                                       | Nadelhalter gebogen, diamantiert, Titan<br><i>Needle Holder, diamond coated, titanium</i>        | —                  | —                  | —                  | —                  |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert, Titan<br><i>Needle Holder with lock, diamond coated, Ti</i> | —                  | —                  | —                  | —                  |
| 0,4 mm<br><br><br><br>10 mm<br><b>Griff Handle</b>   | <b>Nadelhalter gebogen, Maul glatt</b><br><i>Needle Holder curved, jaw smooth</i>                | —                  | <b>371-610-414</b> | —                  | <b>371-610-418</b> |
|                                                                                                                                       | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>          | —                  | <b>371-620-414</b> | —                  | <b>371-620-418</b> |
|                                                                                                                                       | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                | —                  | —                  | —                  | —                  |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                | —                  | —                  | —                  | —                  |
|                                                                                                                                       | Nadelhalter gebogen, diamantiert, Titan<br><i>Needle Holder, diamond coated, titanium</i>        | —                  | —                  | —                  | —                  |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert, Titan<br><i>Needle Holder with lock, diamond coated, Ti</i> | —                  | —                  | —                  | —                  |
| 0,6 mm<br><br><br><br>10 mm<br><b>Griff Handle</b> | <b>Nadelhalter gebogen, Maul glatt</b><br><i>Needle Holder curved, jaw smooth</i>                | <b>371-610-612</b> | <b>371-610-614</b> | <b>371-610-615</b> | <b>371-610-618</b> |
|                                                                                                                                       | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>          | <b>371-620-612</b> | <b>371-620-614</b> | <b>371-620-615</b> | <b>371-620-618</b> |
|                                                                                                                                       | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                | 372-610-612        | 372-610-614        | 372-610-615        | 372-610-618        |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                | 372-620-612        | 372-620-614        | 372-620-615        | 372-620-618        |
|                                                                                                                                       | Nadelhalter gebogen, diamantiert, Titan<br><i>Needle Holder, diamond coated, titanium</i>        | —                  | —                  | <b>373-610-615</b> | <b>373-610-618</b> |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert, Titan<br><i>Needle Holder with lock, diamond coated, Ti</i> | —                  | —                  | <b>373-620-615</b> | <b>373-620-618</b> |
| 0,8 mm<br><br><br><br>10 mm<br><b>Griff Handle</b> | <b>Nadelhalter gebogen, Maul glatt</b><br><i>Needle Holder curved, jaw smooth</i>                | <b>371-610-812</b> | <b>371-610-814</b> | <b>371-610-815</b> | <b>371-610-818</b> |
|                                                                                                                                       | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>          | <b>371-620-812</b> | <b>371-620-814</b> | <b>371-620-815</b> | <b>371-620-818</b> |
|                                                                                                                                       | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                | 372-610-812        | 372-610-814        | 372-610-815        | 372-610-818        |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                | 372-620-812        | 372-620-814        | 372-620-815        | 372-620-818        |
|                                                                                                                                       | Nadelhalter gebogen, diamantiert, Titan<br><i>Needle Holder, diamond coated, titanium</i>        | —                  | —                  | <b>373-610-815</b> | <b>373-610-818</b> |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert, Titan<br><i>Needle Holder with lock, diamond coated, Ti</i> | —                  | —                  | <b>373-620-815</b> | <b>373-620-818</b> |
| 1,0 mm<br><br><br><br>10 mm<br><b>Griff Handle</b> | <b>Nadelhalter gebogen, Maul glatt</b><br><i>Needle Holder curved, jaw smooth</i>                | <b>371-611-012</b> | <b>371-611-014</b> | <b>371-611-015</b> | <b>371-611-018</b> |
|                                                                                                                                       | <b>Nadelhalter mit Sperre, Maul glatt</b><br><i>Needle Holder with lock, jaw smooth</i>          | <b>371-621-012</b> | <b>371-621-014</b> | <b>371-621-015</b> | <b>371-621-018</b> |
|                                                                                                                                       | Nadelhalter gebogen, Maul diamantiert<br><i>Needle Holder, jaw diamond coated</i>                | 372-611-012        | 372-611-014        | 372-611-015        | 372-611-018        |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert<br><i>Needle Holder with lock, jaw coated</i>                | 372-621-012        | 372-621-014        | 372-621-015        | 372-621-018        |
|                                                                                                                                       | Nadelhalter gebogen, diamantiert, Titan<br><i>Needle Holder, diamond coated, titanium</i>        | —                  | —                  | <b>373-611-015</b> | <b>373-611-018</b> |
|                                                                                                                                       | Nadelhalter mit Sperre, diamantiert, Titan<br><i>Needle Holder with lock, diamond coated, Ti</i> | —                  | —                  | <b>373-621-015</b> | <b>373-621-018</b> |

## Scheren gerade mit Rundgriff

### Scissors straight with Round Handle



| Modell<br>Pattern                                                                            | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                        | 125 mm      | 150 mm      | 180 mm      | 210 mm      |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| 6 mm<br>    | Schere gerade, Vannas<br>Handgriff Ø 7 mm<br>Scherenblatt 6 mm<br>Scissors straight, Vannas<br>Handle Ø 7 mm, scissors blade 6 mm                                      | 381-010-612 | —           | —           | —           |
| 11 mm<br>   | Schere gerade, Castroviejo<br>Handgriff Ø 7 mm<br>Scherenblatt 11 mm<br>Scissors straight, Castroviejo<br>Handle Ø 7 mm, scissors blade 11 mm                          | 381-020-912 | —           | —           | —           |
| 12 mm<br>   | Schere gerade<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Scissors straight<br>Handle Ø 8 mm<br>Scissors blade 12 mm                                                  | —           | 381-031-015 | —           | —           |
| 12 mm<br>   | Präparierschere, Adventitia, gebogen<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Dissecting scissors, adventitia, curved<br>Handle Ø 8 mm<br>Scissors blade 12 mm     | —           | 381-041-015 | —           | —           |
| 12 mm<br>   | Schere gerade, gezahnt<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Scissors straight, serrated<br>Handle Ø 8 mm<br>Scissors blade 12 mm                               | —           | 381-051-015 | —           | —           |
| 12 mm<br>   | Schere gerade, Vannas<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Scissors straight, Vannas<br>Handle Ø 8 mm<br>Scissors blade 12 mm                                  | —           | 381-061-015 | 381-061-018 | 381-061-021 |
| 14 mm<br>  | Schere gerade<br>Handgriff Ø 8 mm<br>Scherenblatt 14 mm<br>Scissors straight<br>Handle Ø 8 mm<br>Scissors blade 11 mm                                                  | —           | —           | 381-071-118 | 381-071-121 |
| 14 mm<br> | Schere gerade, gezahnt<br>Handgriff Ø 8 mm<br>Scherenblatt 14 mm<br>Scissors straight, serrated<br>Handle Ø 8 mm<br>Scissors blade 11 mm                               | —           | —           | 381-081-118 | —           |
| 13 mm<br> | Schere gerade, längeres Blatt<br>Handgriff Ø 8 mm<br>Scherenblatt 13 mm<br>Scissors straight, longer blade<br>Handle Ø 8 mm<br>Scissors blade 13 mm                    | —           | 381-091-315 | —           | 381-091-321 |
| 13 mm<br> | Schere gerade, gezahnt, längeres Blatt<br>Handgriff Ø 8 mm<br>Scherenblatt 13 mm<br>Scissors straight, serrated, longer blade<br>Handle Ø 8 mm<br>Scissors blade 13 mm | —           | 381-101-315 | 381-101-318 | 381-101-321 |

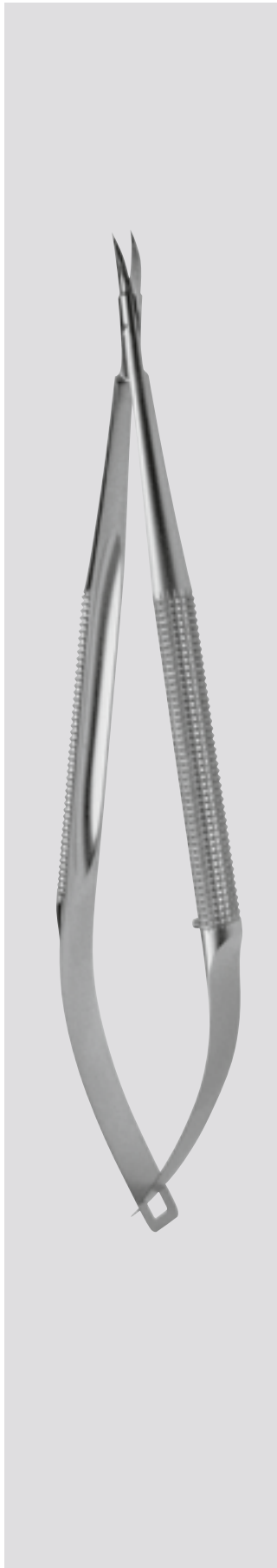
**Die Scherenblattlänge**  
bezieht sich auf die Distanz zwischen Schraubenmitte & Scherenspitze.

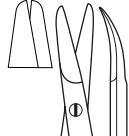
**Blade length**  
The blade length is measured from screw to the tip.



## Scheren gebogen mit Rundgriff

### Dissection Scissors with Round Handle



| Modell<br>Pattern                                                                            | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                       | 125 mm      | 150 mm      | 180 mm      | 210 mm      |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| 6 mm<br>    | Schere gebogen, Vannas<br>Handgriff Ø 7 mm<br>Scherenblatt 6 mm<br>Scissors curved, Vannas<br>Handle Ø 7 mm, scissors blade 6 mm                                      | 381-110-612 | —           | —           | —           |
| 11 mm<br>   | Schere gebogen, Castroviejo<br>Handgriff Ø 7 mm,<br>Scherenblatt 11 mm<br>Scissors curved, Castroviejo<br>Handle Ø 7 mm, scissors blade 11 mm                         | 381-120-912 | —           | —           | —           |
| 12 mm<br>   | Schere gebogen<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Scissors curved<br>Handle Ø 8 mm<br>Scissors blade 10 mm                                                  | —           | 381-131-015 | —           | —           |
| 12 mm<br>   | Dissektionsschere gebogen, gezahnt<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Dissecting scissors, curved<br>Handle Ø 8 mm<br>Scissors blade 12 mm                  | —           | 381-141-015 | —           | —           |
| 12 mm<br> | Schere gebogen, gezahnt<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Scissors curved, serrated<br>Handle Ø 8 mm<br>Scissors blade 12 mm                               | —           | 381-151-015 | —           | —           |
| 12 mm<br> | Schere gebogen, Vannas<br>Handgriff Ø 8 mm<br>Scherenblatt 12 mm<br>Scissors curved, Vannas<br>Handle Ø 8 mm<br>Scissors blade 12 mm                                  | —           | 381-161-015 | 381-161-018 | 381-161-021 |
| 14 mm<br> | Schere gebogen<br>Handgriff Ø 8 mm<br>Scherenblatt 14 mm<br>Scissors curved<br>Handle Ø 8 mm<br>Scissors blade 14 mm                                                  | —           | —           | 381-171-118 | 381-171-121 |
| 11 mm<br> | Schere gebogen, gezahnt<br>Handgriff Ø 8 mm<br>Scherenblatt 11 mm<br>Scissors curved, serrated<br>Handle Ø 8 mm<br>Scissors blade 11 mm                               | —           | —           | 381-181-118 | —           |
| 13 mm<br> | Schere gebogen, längeres Blatt<br>Handgriff Ø 8 mm<br>Scherenblatt 13 mm<br>Scissors curved, longer blade<br>Handle Ø 8 mm<br>Scissors blade 13 mm                    | —           | 381-191-315 | —           | 381-191-321 |
| 13 mm<br> | Schere gebogen, gezahnt, längeres Blatt<br>Handgriff Ø 8 mm<br>Scherenblatt 13 mm<br>Scissors curved, serrated, longer blade<br>Handle Ø 8 mm<br>Scissors blade 13 mm | —           | 381-201-315 | 381-201-318 | 381-201-321 |

#### Die Scherenblattlänge

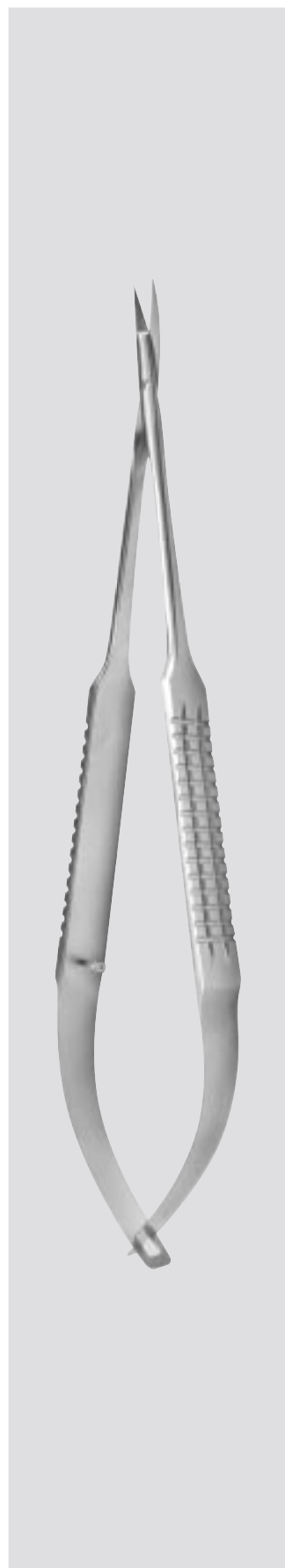
bezieht sich auf die Distanz zwischen Schraubenmitte & Scherenspitze.

#### Blade length

The blade length is measured from screw to the tip.

## Scheren mit Flachgriff

### Scissors with Flat Handle



| Modell<br>Pattern | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                     | 120 mm      | 150 mm      | 180 mm      | 210 mm      |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| 10 mm<br>         | <b>Schere gerade, Vannas</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 10 mm</b><br><i>Scissors straight, Vannas</i><br><i>Handle 10 mm</i><br><i>Scissors blade 10 mm</i>                       | 391-011-012 | 391-011-015 | —           | —           |
| 12 mm<br>         | <b>Schere gerade, spitz</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 12 mm</b><br><i>Scissors straight, sharp</i><br><i>Handle 10 mm</i><br><i>Scissors blade 12 mm</i>                         | 391-021-012 | 391-021-015 | 391-021-018 | 391-021-021 |
| 10 mm<br>         | <b>Venen-Schneide, gerade (Biemer)</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 10 mm</b><br><i>Veins Scissors, straight (Biemer)</i><br><i>Handle 10 mm</i><br><i>Scissors blade 10 mm</i>     | 391-031-012 | —           | —           | —           |
| 14 mm<br>         | <b>Schere gerade, spitz</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 14 mm</b><br><i>Scissors straight, sharp</i><br><i>Handle 10 mm</i><br><i>Scissors blade 14 mm</i>                         | —           | 391-041-415 | 391-041-418 | 391-041-421 |
| 18 mm<br>         | <b>Präparierschere fein gezahnt gerade,</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 18 mm</b><br><i>Dissecting curved fine serrated,</i><br><i>Handle 10 mm</i><br><i>Scissors blade 18 mm</i> | —           | 391-200-715 | —           | —           |
| 10 mm<br>         | <b>Schere gebogen, Vannas</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 10 mm</b><br><i>Scissors curved, Vannas</i><br><i>Handle 10 mm</i><br><i>Scissors blade 10 mm</i>                        | 391-051-012 | 391-051-015 | —           | —           |
| 10 mm<br>         | <b>Schere gebogen, spitz</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 10 mm</b><br><i>Scissors curved, sharp</i><br><i>Handle 10 mm</i><br><i>Scissors blade 10 mm</i>                          | 391-061-012 | 391-061-015 | 391-061-018 | 391-061-021 |
| 14 mm<br>         | <b>Schere gebogen, spitz</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 14 mm</b><br><i>Scissors curved, sharp</i><br><i>Handle 10 mm</i><br><i>Scissors blade 14 mm</i>                          | —           | 391-071-415 | 391-071-418 | 391-071-421 |
| 18 mm<br>         | <b>Präparierschere gebogen,</b><br><b>Handgriff 10 mm</b><br><b>Scherenblatt 18 mm</b><br><i>Dissecting curved</i><br><i>Handle 10 mm</i><br><i>Scissors blade 18 mm</i>                            | —           | —           | 391-081-018 | —           |

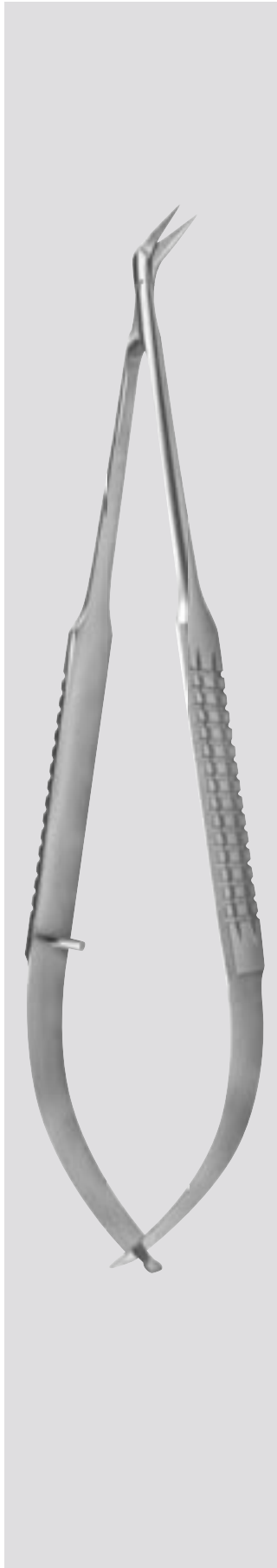
#### Die Scherenblattlänge

bezieht sich auf die Distanz zwischen Schraubenmitte & Scherenspitze.

#### Blade length

The blade length is measured from screw to the tip.

**Scheren abgewinkelt, gedrehter Schluß**  
*Scissors angled, streamlined*



| Modell<br>Pattern                                                                            | Artikel in verschiedenen Längen<br>Article in different lengths                                                                                                                                  | Flachgriff<br>Flat Handle | Rundgriff Ø 8 mm<br>Round Handle Ø 8 mm |                    |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|--------------------|
|                                                                                              |                                                                                                                                                                                                  | 180 mm                    | 180 mm                                  | 210 mm             |
| 14 mm<br>   | <b>Schere mit Kugel, spitz, abgewinkelt 25°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors with ball, sharp, angled 25°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>       | <b>391-091-018</b>        | —                                       | —                  |
| 14 mm<br>   | <b>Schere mit Kugel, spitz, abgewinkelt 45°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors with ball, sharp, angled 45°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>       | <b>391-101-018</b>        | —                                       | —                  |
| 14 mm<br>   | <b>Schere mit Kugel, spitz, abgewinkelt 60°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors with ball, sharp, angled 60°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>       | <b>391-111-018</b>        | —                                       | —                  |
| 14 mm<br>  | <b>Schere mit Kugel, spitz, abgewinkelt 90°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors with ball, sharp, angled 90°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>       | <b>391-121-018</b>        | —                                       | —                  |
| 14 mm<br> | <b>Schere mit Kugel, spitz, abgewinkelt 125°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors with ball, sharp, angled 125°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>     | <b>391-131-018</b>        | —                                       | —                  |
| 14 mm<br> | <b>Schere ohne Kugel, spitz, abgewinkelt 25°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors without ball, sharp, angled 25°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>   | <b>391-141-018</b>        | <b>381-241-018</b>                      | <b>381-241-021</b> |
| 14 mm<br> | <b>Schere ohne Kugel, spitz, abgewinkelt 45°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors without ball, sharp, angled 45°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>   | <b>391-151-018</b>        | <b>381-251-018</b>                      | <b>381-251-021</b> |
| 14 mm<br> | <b>Schere ohne Kugel, spitz, abgewinkelt 60°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors without ball, sharp, angled 60°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>   | <b>391-161-018</b>        | <b>381-261-018</b>                      | <b>381-261-021</b> |
| 14 mm<br> | <b>Schere ohne Kugel, spitz, abgewinkelt 90°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors without ball, sharp, angled 90°</i><br><i>Handle 10 mm, scissors blade 10 mm</i>   | <b>391-171-018</b>        | <b>381-271-018</b>                      | <b>381-271-021</b> |
| 14 mm<br> | <b>Schere ohne Kugel, spitz, abgewinkelt 125°</b><br><b>Handgriff 10 mm, Scherenblatt 14 mm</b><br><i>Scissors without ball, sharp, angled 125°</i><br><i>Handle 10 mm, scissors blade 10 mm</i> | <b>391-181-018</b>        | <b>381-281-018</b>                      | <b>381-281-021</b> |

**Die Scherenblattlänge**  
bezieht sich auf die Distanz zwischen Schraubenmitte & Scheren Spitze.

**Blade length**  
The blade length is measured from screw to the tip.

## Pinzetten für Mikro-Gefäßklemmen

### Forceps for Microvascular Clamps



Die Gefäßklemmen werden in fünf verschiedenen Größen, in den Varianten A und V und in den Farben grau und schwarz angeboten. Für die dickwandigen Arterien ist die Variante A durch die leichte Krümmung an den Enden der Klemme bestens geeignet. Die Variante V ist für alle Venen und dünnwandigen Arterien geeignet.

Alle Klemmen weisen je nach Größe einen bestimmten Klemmendruck (Gramm pro Quadratmillimeter) auf. Der genaue Druck ist der nachstehenden Tabelle zu entnehmen. Die Innenseiten der Klemmen weisen einen ausreichend hohen Reibungswiderstand auf, um einen zuverlässigen Halt der Gefäße zu gewährleisten.

We offer the vascular clamps in five sizes in the versions A and V and in the colours grey and black. For thick-walled and slick artery the version A is most suitable due to the slight bend at the end of the forceps. The version V is suitable for all veins as well as for thin-walled arteries.

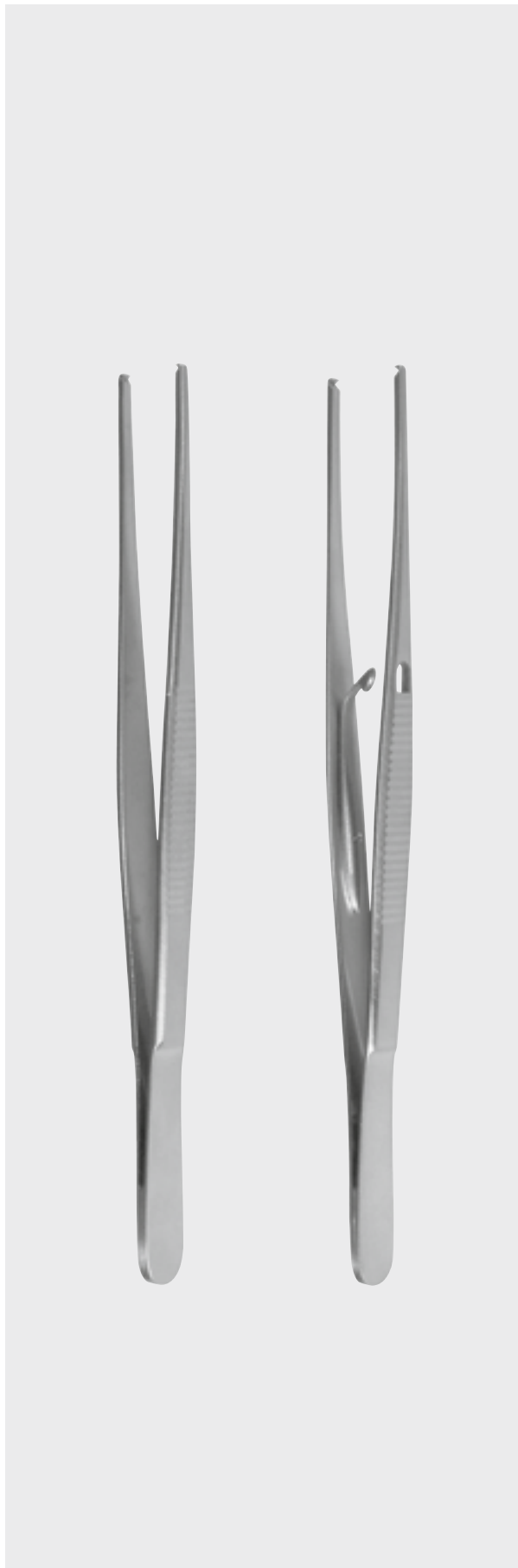
All clamps have, depending on its size, a specific clamps pressure indicated in gram per square millimeter. The exact pressure is listed on the schedule. The inner surface of the clamps has an adequate friction resistance to assure a safe hold of the vessels.

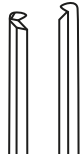
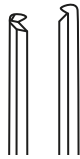
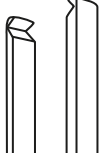
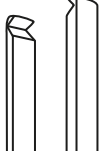
## Druckstärke der einzelnen Klemmen

*Amount of pressure of the several Clamps*

| Klemmengröße<br>Clamp Size  | Gefäßdurchmesser in mm<br>Blood Vessel Diameter |          | Klemmendruck<br>Clamp Pressure |   |   |   |   |   |   |   |   |    |    |    |    |    |    |                      |
|-----------------------------|-------------------------------------------------|----------|--------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----------------------|
| Klemme Nr. 1<br>Clamp No. 1 | 0.3 – 1.0                                       | •      ○ | 1                              | 2 | 3 |   |   |   |   |   |   |    |    |    |    |    |    |                      |
| Klemme Nr. 2<br>Clamp No. 2 | 0.6 – 1.4                                       | •      ○ |                                |   | 2 | 3 | 4 | 5 | 6 |   |   |    |    |    |    |    |    |                      |
| Klemme Nr. 3<br>Clamp No. 3 | 1.0 – 2.2                                       | •      ○ |                                |   |   |   | 5 | 6 | 7 | 8 | 9 | 10 |    |    |    |    |    |                      |
| Klemme Nr. 4<br>Clamp No. 4 | 1.5 – 3.3                                       | •      ○ |                                |   |   |   |   |   |   | 8 | 9 | 10 | 11 | 12 | 13 |    |    |                      |
| Klemme Nr. 5<br>Clamp No. 5 | 2.0 – 5.0                                       | •      ○ |                                |   |   |   |   |   |   |   |   |    | 10 | 11 | 12 | 13 | 14 | 15                   |
|                             |                                                 |          | 0                              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 g/mm <sup>2</sup> |

## Pinzetten für Mikro-Gefäßklemmen Forceps for Microvascular Clamps

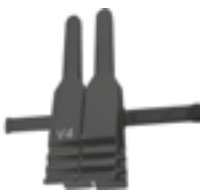


|                                                                                                  | Artikel<br>Article                                                                                                                                                                   | 140 mm             |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <br>Nr. 1 - 2   | <b>Anlegepinzette für Klemmen des Typs 1-2, gerade, Länge 140 mm</b><br><i>Clamp applying forceps for Clamps Typ 1-2, straight, length 140 mm</i>                                    | <b>350-011-014</b> |
| <br>Nr. 1 - 2   | <b>Anlegepinzette für Klemmen des Typs 1-2, gerade mit Sperre, Länge 140 mm</b><br><i>Clamp applying forceps for Clamps Typ 1-2, straight with lock, length 140 mm</i>               | <b>350-111-014</b> |
| <br>Nr. 3 - 5 | <b>Anlegepinzette für Klemmen des Typs 3-5, gerade, Länge 140 mm</b><br><i>Clamp applying forceps for Clamps Typ 3-5, straight, length 140 mm</i>                                    | <b>350-022-214</b> |
| <br>Nr. 3 - 5 | <b>Anlegepinzette für Klemmen des Typs 3-5, gerade mit Sperre, Länge 140 mm</b><br><i>Clamp applying forceps for Clamps Typ 3-5, straight with lock, length 140 mm</i>               | <b>350-122-214</b> |
| <br>Nr. 1 - 2 | <b>Anlegepinzette für Klemmen des Typs 1-2, 30° abgewinkelt, Länge 140 mm</b><br><i>Clamp applying forceps for Clamps Typ 1-2, 30° angulated, length 140 mm</i>                      | <b>350-031-014</b> |
| <br>Nr. 1 - 2 | <b>Anlegepinzette für Klemmen des Typs 1-2, 30° abgewinkelt mit Sperre, Länge 140 mm</b><br><i>Clamp applying forceps for Clamps Typ 1-2, 30° angulated with lock, length 140 mm</i> | <b>350-131-014</b> |

## Mikro-Gefäßklemmen

### Microvascular Clamps

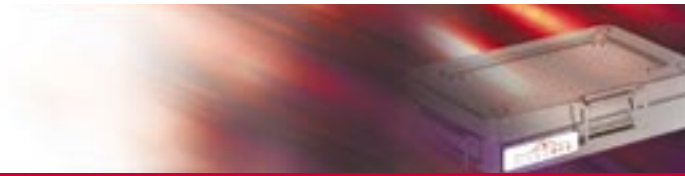


|                                                                                     | Klemme Nr. 1<br>Clamp No. 1                                                         | Klemme Nr. 2<br>Clamp No. 2                                                         | Klemme Nr. 3<br>Clamp No. 3                                                         | Klemme Nr. 4<br>Clamp No. 4                                                         | Klemme Nr. 5<br>Clamp No. 5                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Länge Length                                                                        | 8 mm                                                                                | 11 mm                                                                               | 16 mm                                                                               | 24 mm                                                                               | 35 mm                                                                                |
| Gefäß Ø Vessel Ø                                                                    | 0,3 – 1,0 mm                                                                        | 0,6 – 1,4 mm                                                                        | 1,0 – 2,2 mm                                                                        | 1,5 – 3,3 mm                                                                        | 2,0 – 5,0 mm                                                                         |
| Einzelklemmen<br>Single Clamps                                                      |    |    |    |  |   |
| Artikelnummer<br>Article Number                                                     | 351-501-1V1<br>351-501-1A1                                                          | 351-501-1V2<br>351-501-1A2                                                          | 351-501-1V3<br>351-501-1A3                                                          | 351-501-1V4<br>—                                                                    | 351-501-1V5<br>—                                                                     |
| Doppelklemmen<br>verstellbar<br>Double Clamps<br>Approximator                       |  |  |  |  |  |
| Artikelnummer<br>Article Number                                                     | 351-502-2V1<br>351-502-2A1                                                          | 351-502-2V2<br>351-502-2A2                                                          | 351-502-2V3<br>351-502-2A3                                                          | 351-502-2V4<br>—                                                                    | 351-502-2V5<br>—                                                                     |
| Doppelklemmen<br>verstellbar mit Rahmen<br>Double Clamps<br>Approximator with frame |  |  |  | —                                                                                   | —                                                                                    |
| Artikelnummer<br>Article Number                                                     | 351-503-2V1<br>351-503-2A1                                                          | 351-503-2V2<br>351-503-2A2                                                          | 351-503-2V3<br>351-503-2A3                                                          | —                                                                                   | —                                                                                    |
| Doppelklemmen<br>mit Rahmen<br>Double Clamps<br>with frame                          |  |  |  | —                                                                                   | —                                                                                    |
| Artikelnummer<br>Article Number                                                     | 351-504-2V1<br>351-504-2A1                                                          | 351-504-2V2<br>351-504-2A2                                                          | 351-504-2V3<br>351-504-2A3                                                          | —                                                                                   | —                                                                                    |
| DC Einzelklemme<br>DC Single Clamp                                                  |  |  |  | —                                                                                   | —                                                                                    |
| Artikelnummer<br>Article Number                                                     | 351-505-1V1<br>351-505-1A1                                                          | 351-505-1V2<br>351-505-1A2                                                          | 351-505-1V3<br>351-505-1A3                                                          | —                                                                                   | —                                                                                    |

|                                                                                     | Klemme Nr. 1<br>Clamp No. 1                                                         | Klemme Nr. 2<br>Clamp No. 2                                                         | Klemme Nr. 3<br>Clamp No. 3                                                         | Klemme Nr. 4<br>Clamp No. 4                                                         | Klemme Nr. 5<br>Clamp No. 5                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Länge Length                                                                        | 8 mm                                                                                | 11 mm                                                                               | 16 mm                                                                               | 24 mm                                                                               | 35 mm                                                                                |
| Gefäß Ø Vessel Ø                                                                    | 0,3 – 1,0 mm                                                                        | 0,6 – 1,4 mm                                                                        | 1,0 – 2,2 mm                                                                        | 1,5 – 3,3 mm                                                                        | 2,0 – 5,0 mm                                                                         |
| Einzelklemmen<br>Single Clamps                                                      |    |    |    |  |   |
| Artikelnummer<br>Article Number                                                     | 350-501-1V1<br>350-501-1A1                                                          | 350-501-1V2<br>350-501-1A2                                                          | 350-501-1V3<br>350-501-1A3                                                          | 350-501-1V4<br>—                                                                    | 350-501-1V5<br>—                                                                     |
| Doppelklemmen<br>verstellbar<br>Double Clamps Approximator                          |  |  |  |  |  |
| Artikelnummer<br>Article Number                                                     | 350-502-2V1<br>350-502-2A1                                                          | 350-502-2V2<br>350-502-2A2                                                          | 350-502-2V3<br>350-502-2A3                                                          | 350-502-2V4<br>—                                                                    | 350-502-2V5<br>—                                                                     |
| Doppelklemmen<br>verstellbar mit Rahmen<br>Double Clamps<br>Approximator with frame |  |  |  | —                                                                                   | —                                                                                    |
| Artikelnummer<br>Article Number                                                     | 350-503-2V1<br>350-503-2A1                                                          | 350-503-2V2<br>350-503-2A2                                                          | 350-503-2V3<br>350-503-2A3                                                          |                                                                                     |                                                                                      |
| Doppelklemmen<br>mit Rahmen<br>Double Clamps<br>with frame                          |  |  |  | —                                                                                   | —                                                                                    |
| Artikelnummer<br>Article Number                                                     | 350-504-2V1<br>350-504-2A1                                                          | 350-504-2V2<br>350-504-2A2                                                          | 350-504-2V3<br>350-504-2A3                                                          |                                                                                     |                                                                                      |
| DC Einzelklemme<br>DC Single Clamp                                                  |  |  |  | —                                                                                   | —                                                                                    |
| Artikelnummer<br>Article Number                                                     | 350-505-1V1<br>350-505-1A1                                                          | 350-505-1V2<br>350-505-1A2                                                          | 350-505-1V3<br>350-505-1A3                                                          |                                                                                     |                                                                                      |

## Sterilisations-Kassetten und Dose

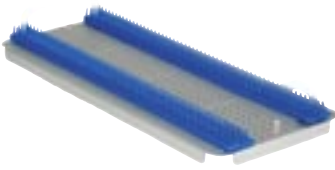
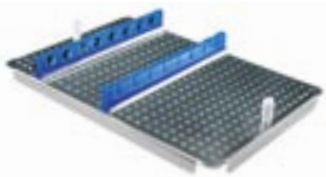
### Sterilization Cassettes and Case



Um Ihre Instrumente sicher zu lagern und zu sterilisieren, empfehlen wir Ihnen unsere Kassetten. Sie haben für jede Kassette drei verschiedene Instrumenten-Halterungen zur Auswahl.

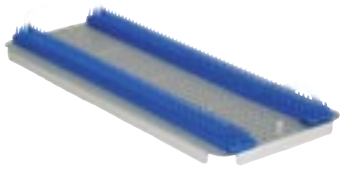
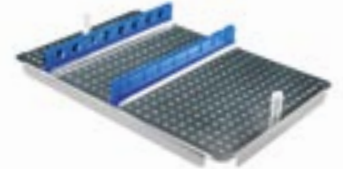
For secure storage and optimal sterilisation, we recommend our cassettes. You can choose between three instrument racks.

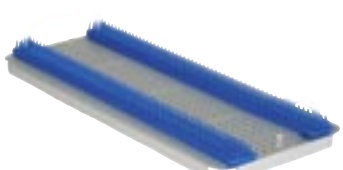
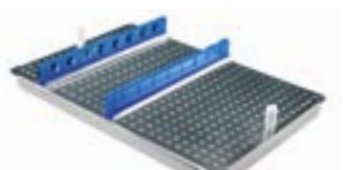
| Modell<br>Pattern               | Dose gelocht<br>Box perforated                                                    | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height) |
|---------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                                 |  | <b>Außenmaß 65x42x8 mm</b><br>External dimension 65x42x8 mm            |
| Artikelnummer<br>Article Number | <b>129-101-065</b>                                                                |                                                                        |

| Modell<br>Pattern               | Kassette Nr. 1<br>Cassette No. 1                                                    |                                                                                     | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height)                                                                                 |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 |  |                                                                                     | <b>Außenmaß 220 x 165 x 55 mm</b><br><b>Innenmaß 200 x 140 x 45 mm</b><br>External dimension 220 x 165 x 55 mm<br>Internal dimension 200 x 140 x 45 mm |
| Artikelnummer<br>Article Number | <b>380-221-650</b>                                                                  |                                                                                     |                                                                                                                                                        |
|                                 |  |  |                                                                   |
| Artikelnummer<br>Article Number | <b>380-221-651</b>                                                                  | <b>380-221-652</b>                                                                  | <b>380-221-653</b>                                                                                                                                     |



## Sterilisations-Kassetten und Dose Sterilization Cassettes and Case

| Modell<br>Pattern               | Kassette Nr. 2<br>Cassette No. 2                                                  |                                                                                   | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height)                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 |  |                                                                                   | <b>Außenmaß 300 x 220 x 55 mm</b><br><b>Innenmaß 280 x 195 x 45 mm</b><br><br>External dimension 300 x 220 x 55 mm<br>Internal dimension 280 x 195 x 45 mm |
| Artikelnummer<br>Article Number | <b>380-302-250</b>                                                                |                                                                                   |                                                                                                                                                            |
|                                 |  |  |                                                                         |
| Artikelnummer<br>Article Number | <b>380-302-251</b>                                                                | <b>380-302-252</b>                                                                | <b>380-302-253</b>                                                                                                                                         |

| Modell<br>Pattern                                                                                                            | Kassette Nr. 3<br>Cassette No. 3                                                    |                                                                                     | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height)                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Container</b><br>Container<br><b>380-242-450</b><br><br><b>Sieb mit Deckel</b><br>Strainer with lid<br><b>380-242-454</b> |  |  | <b>Container</b><br><b>Außenmaß 300 x 290 x 100 mm</b><br><b>Innenmaß 227 x 170 x 60 mm</b><br><br>Container<br>External dimension 300 x 290 x 100 mm<br>Internal dimension 227 x 170 x 60 mm |
| Artikelnummer<br>Article Number                                                                                              | <b>380-242-450</b>                                                                  | <b>380-242-454</b>                                                                  | <b>ohne Inhalt</b><br>without content                                                                                                                                                         |
|                                                                                                                              |  |  |                                                                                                          |
| Artikelnummer<br>Article Number                                                                                              | <b>380-242-451</b>                                                                  | <b>380-242-452</b>                                                                  | <b>380-242-453</b>                                                                                                                                                                            |



## Instrumentendosen

### Instrument Cases



| Modell<br>Pattern               | Instrumentendose<br>Instrument Case                                               | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height) |
|---------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                                 |  | <b>Maße 260 x 240 x 25 mm</b><br>Dimensions 260 x 240 x 25 mm          |
| Artikelnummer<br>Article Number | <b>380-262-425</b>                                                                |                                                                        |

| Modell<br>Pattern               | Instrumentendose mit Einsatz und Klemmenbox, Standard<br>Instrument Case with Rack and Clamp Box, standard | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height) |
|---------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                                 |                         | <b>Maße 130 x 230 x 25 mm</b><br>Dimensions 130 x 230 x 25 mm          |
| Artikelnummer<br>Article Number | <b>380-132-325</b>                                                                                         |                                                                        |

| Modell<br>Pattern               | Bereitschaftsdose, rund<br>Instrument Saver, round                                  |                                                                                     | Größe (Länge x Breite x Höhe)<br>Measurement (length x width x height)                                                                                        |
|---------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 |  |  | <b>Bereitschaftsdose 110 x 85 mm</b><br>Instrument Saver 110 x 85 mm<br><br><b>Silikonboden für Bereitschaftsdose</b><br>Silicone bottom for Instrument Saver |
| Artikelnummer<br>Article Number | <b>380-110-085</b>                                                                  | <b>380-111-085</b>                                                                  |                                                                                                                                                               |



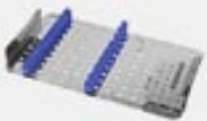
## Informationen

- Die Zusammenstellung deckt alle Standardsituationen ab
- Einzelklemmen – 2 Stück/Packung
- Doppelklemmen – 1 Stück/Packung

## Information

- Range of instruments covers all standard situations
- Single Clamps – 2 pieces / package
- Double Clamps – 1 piece / package

|  | <b>Beschreibung</b><br><i>Description</i> | <b>Artikelnummer</b><br><i>Article Number</i> |
|--|-------------------------------------------|-----------------------------------------------|
|  | <b>Grund-Set</b><br><i>Basic Set</i>      | <b>380-210-001</b>                            |

|                                                                                     | <b>Einzelteile</b><br><i>Single parts</i>                                                                               | <b>Artikelnummer</b><br><i>Article Number</i> |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|   | <b>Instrumenten-Dose 130x230x25 mm</b><br><i>Instrument Case 130x230x25 mm</i>                                          | <b>380-132-320</b>                            |
|  | <b>Einsatz für 8 Instrumente mit Klemmenbox</b><br><i>Rack for 8 Instruments with Clamp Box</i>                         | <b>380-132-323</b>                            |
|  | <b>Nadelhalter gebogen, Maul 0,4 mm glatt</b><br><i>Needle Holder curved, jaw smooth 0.4 mm</i>                         | <b>361-510-415</b>                            |
|  | <b>Schere gebogen, Scherenblatt 10 mm</b><br><i>Scissors curved, Scissors blade 10 mm</i>                               | <b>381-131-015</b>                            |
|  | <b>Schere gerade, Scherenblatt 10 mm</b><br><i>Scissors straight, Scissor sblade 10 mm</i>                              | <b>381-031-015</b>                            |
|  | <b>Flachgriffpinzette gerade, Spitze 0,3 mm glatt</b><br><i>Flat Handle Forceps straight, tip 0.3 mm smooth</i>         | <b>321-030-311</b>                            |
|  | <b>Flachgriffpinzette gerade, Spitze 0,3 mm glatt</b><br><i>Flat Handle Forceps straight, tip 0.3 mm smooth</i>         | <b>321-030-312</b>                            |
|  | <b>Dilator 110 mm, 10° abgewinkelt, Spitze 0,2 mm x 8 mm</b><br><i>Dilator 110 mm, 10° angulated, tip 0.2 mm x 8 mm</i> | <b>321-148-211</b>                            |
|  | <b>Anlegepinzette 140 mm, gerade</b><br><i>Applying Forceps 140 mm, straight</i>                                        | <b>350-011-014</b>                            |
|  | <b>Einzelklemme 8 mm, 0,3 – 1,0 mm Gefäß Durchmesser</b><br><i>Single Clamps 8 mm, 0.3 – 1.0 mm Vessel diameter</i>     | <b>350-501-1V1</b>                            |
|  | <b>Einzelklemme 11 mm, 0,6 – 1,4 mm Gefäß Durchmesser</b><br><i>Single Clamps 11 mm, 0.6 – 1.4 mm Vessel diameter</i>   | <b>350-501-1V2</b>                            |
|  | <b>Doppelklemme 8 mm, 0,3 – 1,0 mm Gefäß Durchmesser</b><br><i>Double Clamps 8 mm, 0.3 – 1.0 mm Vessel diameter</i>     | <b>350-502-2V1</b>                            |
|  | <b>Doppelklemme 11 mm, 0,6 – 1,4 mm Gefäß Durchmesser</b><br><i>Double Clamps 11 mm, 0.6 – 1.4 mm Vessel diameter</i>   | <b>350-502-2V2</b>                            |

Im Labor-Grund-Set enthalten  
Set of Basic Lab

Abbildungen sind nicht maßstäblich.  
Images are not drawn to scale.

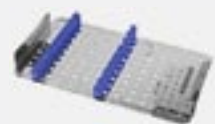
## Wiederherstellung-Grund-Set

### Basic Reconstructive Surgery Set



|  | <b>Beschreibung</b><br><i>Description</i>                           | <b>Artikelnummer</b><br><i>Article Number</i> |
|--|---------------------------------------------------------------------|-----------------------------------------------|
|  | Wiederherstellung-Grund-Set<br><i>Set of Reconstructive Surgery</i> | <b>380-210-002</b>                            |

|  | <b>Einzelteile</b><br><i>Single parts</i> | <b>Artikelnummer</b><br><i>Article Number</i> |
|--|-------------------------------------------|-----------------------------------------------|
|--|-------------------------------------------|-----------------------------------------------|

|                                                                                     |                                                                                                                   |                    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------|
|    | Instrumenten-Dose 130x230x25 mm<br><i>Instrument Case 130x230x25 mm</i>                                           | <b>380-132-320</b> |
|    | Einsatz für 8 Instrumente mit Klemmenbox<br><i>Rack for 8 Instruments with Clamp Box</i>                          | <b>380-132-323</b> |
|    | Nadelhalter gebogen, Maul 0,4 mm glatt<br><i>Needle Holder curved, jaw smooth 0.4 mm</i>                          | <b>361-510-415</b> |
|  | Schere gebogen, Scherenblatt 10 mm<br><i>Scissors curved, Scissors blade 10 mm</i>                                | <b>381-131-015</b> |
|  | Schere gerade, Scherenblatt 10 mm<br><i>Scissors straight, Scissors blade 10 mm</i>                               | <b>381-031-015</b> |
|  | Pinzette mit Plateau, Spitze 0,6 mm abgewinkelt<br><i>Forceps with plateau, tip 0.6 mm angulated smooth</i>       | <b>301-110-615</b> |
|  | Pinzette mit Plateau, Spitze 0,3 mm glatt<br><i>Forceps with plateau, tip 0.3 mm smooth</i>                       | <b>301-010-315</b> |
|  | Pinzette gerade, nach Pierce, Bohrung Ø 0,3 mm<br><i>Forceps straight, according to Pierce, drilling Ø 0.3 mm</i> | <b>301-070-615</b> |
|  | Dilator 110 mm, 10° abgewinkelt, Spitze 0,2 mm x 8 mm<br><i>Dilator 110 mm, 10° angulated, tip 0.2 mm x 8 mm</i>  | <b>321-148-211</b> |
|  | Anlegepinzette 140 mm, gerade<br><i>Applying Forceps 140 mm, straight</i>                                         | <b>350-011-014</b> |
|  | Einzelklemme 11 mm, 0,6 – 1,4 mm Gefäß Durchmesser<br><i>Single Clamps 11 mm, 0.6 – 1.4 mm Vessel diameter</i>    | <b>350-501-1V2</b> |
|  | Einzelklemme 16 mm, 1,0 – 2,2 mm Gefäß Durchmesser<br><i>Single Clamps 16 mm, 1.0 – 2.2 mm Vessel diameter</i>    | <b>350-501-1V3</b> |
|  | Einzelklemme 24 mm, 1,5 – 3,3 mm Gefäß Durchmesser<br><i>Single Clamps 24 mm, 1.5 – 3.3 mm Vessel diameter</i>    | <b>350-501-1V4</b> |
|  | Doppelklemme 11 mm, 0,6 – 1,4 mm Gefäß Durchmesser<br><i>Double Clamps 11 mm, 0.6 – 1.4 mm Vessel diameter</i>    | <b>350-502-2V2</b> |
|  | Doppelklemme 16 mm, 1,0 – 2,2 mm Gefäß Durchmesser<br><i>Double Clamps 16 mm, 1.0 – 2.2 mm Vessel diameter</i>    | <b>350-502-2V3</b> |
|  | Doppelklemme 24 mm, 1,5 – 3,3 mm Gefäß Durchmesser<br><i>Double Clamps 24 mm, 1.5 – 3.3 mm Vessel diameter</i>    | <b>350-502-2V4</b> |

Im Wiederherstellungs-Grund-Set enthalten  
*Set of Reconstructive Surgery*

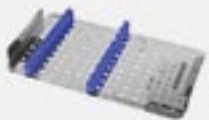
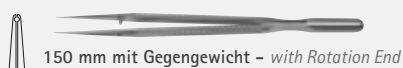
Abbildungen sind nicht maßstäblich.  
*Images are not drawn to scale.*



## Handchirurgie-Grund-Set

### Basic Hand Surgery Set

|  | <b>Beschreibung</b><br><i>Description</i>                | <b>Artikelnummer</b><br><i>Article Number</i> |
|--|----------------------------------------------------------|-----------------------------------------------|
|  | Handchirurgie-Grund-Set<br><i>Basic Hand Surgery Set</i> | <b>380-210-003</b>                            |

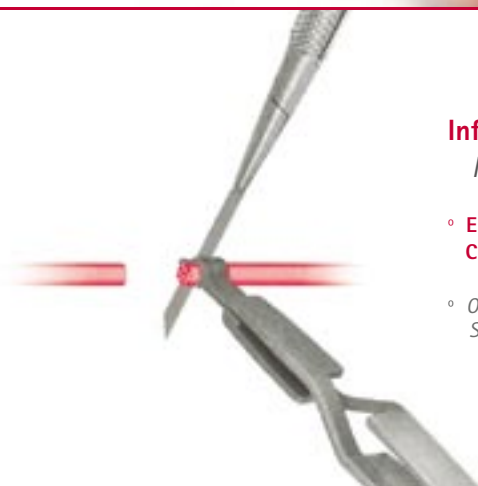
|                                                                                     | <b>Einzelteile</b><br><i>Single parts</i>                                                                         | <b>Artikelnummer</b><br><i>Article Number</i> |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|    | Instrumenten-Dose 130x230x25 mm<br><i>Instrument Case 130x230x25 mm</i>                                           | <b>380-132-320</b>                            |
|   | Einsatz für 8 Instrumente mit Klemmenbox<br><i>Rack for 8 Instruments with Clamp Box</i>                          | <b>380-132-323</b>                            |
|  | Nadelhalter gebogen, Maul 0,4 mm glatt<br><i>Needle Holder curved, jaw smooth 0.4 mm</i>                          | <b>361-510-415</b>                            |
|  | Schere gebogen, Scherenblatt 10 mm<br><i>Scissors curved, Scissors blade 10 mm</i>                                | <b>381-131-015</b>                            |
|  | Schere gerade, Scherenblatt 10 mm<br><i>Scissors straight, Scissors blade 10 mm</i>                               | <b>381-031-015</b>                            |
|  | Pinzette mit Plateau, Spitze 0,6 mm abgewinkelt<br><i>Forceps with plateau, tip 0.6 mm angulated</i>              | <b>311-110-615</b>                            |
|  | Pinzette mit Plateau, Spitze 0,3 mm glatt<br><i>Forceps with plateau, tip 0.3 mm smooth</i>                       | <b>311-010-315</b>                            |
|  | Pinzette gerade, nach Pierce, Bohrung Ø 0,3 mm<br><i>Forceps straight, according to Pierce, drilling Ø 0.3 mm</i> | <b>311-070-615</b>                            |
|  | Dilator 110 mm, 10° abgewinkelt, Spitze 0,2 mm x 8 mm<br><i>Dilator 110 mm, 10° angulated, tip 0.2 mm x 8 mm</i>  | <b>321-148-211</b>                            |
|  | Anlegepinzette 140 mm, gerade<br><i>Applying Forceps 140 mm, straight</i>                                         | <b>350-011-014</b>                            |
|  | Einzelklemme 11 mm, 0,6–1,4 mm Gefäß Durchmesser<br><i>Single Clamps 11 mm, 0.6–1.4 mm Vessel diameter</i>        | <b>350-501-1V2</b>                            |
|  | Einzelklemme 16 mm, 1,0–2,2 mm Gefäß Durchmesser<br><i>Single Clamps 16 mm, 1.0–2.2 mm Vessel diameter</i>        | <b>350-501-1V3</b>                            |
|  | Doppelklemme 11 mm, 0,6–1,4 mm Gefäß Durchmesser<br><i>Double Clamps 11 mm, 0.6–1.4 mm Vessel diameter</i>        | <b>350-502-2V2</b>                            |
|  | Doppelklemme 16 mm, 1,0–2,2 mm Gefäß Durchmesser<br><i>Double Clamps 16 mm, 1.0–2.2 mm Vessel diameter</i>        | <b>350-502-2V3</b>                            |

Abbildungen sind nicht maßstäblich.  
*Images are not drawn to scale.*

Im Handchirurgie-Grund-Set enthalten  
*Set of Basic Hand Surgery*

## Nerven- und Sehnenhalter-Set NSS 1

Set of Nerve and Tendon Holders NSS 1

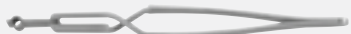
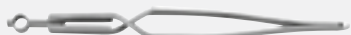
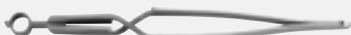


### Informationen

#### Information

- ° Einsatzgebiet:  
Chirurgie der peripheren Nerven und Sehnen
- ° Operational area:  
Surgery of peripheral nerves and tendons

|  | <b>Beschreibung</b><br>Description                                          | <b>Artikelnummer</b><br>Article Number |
|--|-----------------------------------------------------------------------------|----------------------------------------|
|  | Nerven- und Sehnenhalter-Set NSS 1<br>Set of Nerve and Tendon Holders NSS 1 | <b>380-200-001</b>                     |

|                                                                                     | <b>Einzelteile</b><br>Single parts                                | <b>Artikelnummer</b><br>Article Number |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------|
|                                                                                     | Instrumenten-Dose 120x200x16 mm<br>Instrument Case 120x200x16 mm  | <b>380-122-016</b>                     |
|  | Haltepinzette Ø 0,5 mm<br>Holding Forceps dia. 0.5 mm             | <b>340-001-005</b>                     |
|  | Haltepinzette Ø 1,0 mm<br>Holding Forceps dia. 1.0 mm             | <b>340-001-010</b>                     |
|  | Haltepinzette Ø 1,5 mm<br>Holding Forceps dia. 1.5 mm             | <b>340-001-015</b>                     |
|  | Haltepinzette Ø 2,0 mm<br>Holding Forceps dia. 2.0 mm             | <b>340-001-020</b>                     |
|  | Haltepinzette Ø 2,5 mm<br>Holding Forceps dia. 2.5 mm             | <b>340-001-025</b>                     |
|  | Haltepinzette Ø 3,0 mm<br>Holding Forceps dia. 3.0 mm             | <b>340-001-030</b>                     |
|  | Haltepinzette Ø 3,5 mm<br>Holding Forceps dia. 3.5 mm             | <b>340-001-035</b>                     |
|  | Haltepinzette Ø 4,0 mm<br>Holding Forceps dia. 4.0 mm             | <b>340-001-040</b>                     |
|  | Haltepinzette Ø 5,0 mm<br>Holding Forceps dia. 5.0 mm             | <b>340-001-050</b>                     |
|  | Haltepinzette Ø 6,0 mm<br>Holding Forceps dia. 6.0 mm             | <b>340-001-060</b>                     |
|  | Haltepinzette Ø 7,0 mm<br>Holding Forceps dia. 7.0 mm             | <b>340-001-070</b>                     |
|  | Klingenhalter 120 mm mit Feder<br>Blade Holder 120 mm with spring | <b>340-010-001</b>                     |

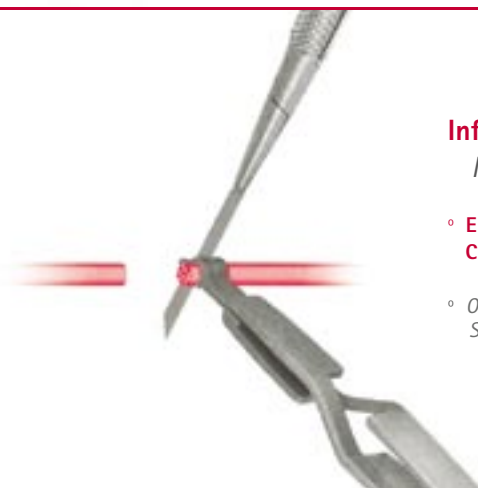
Im Nerven- und Sehnenhalter-Set enthalten  
Set of Nerve and Tendon Holders

Abbildungen sind nicht maßstäblich.  
Images are not drawn to scale.



## Nerven- und Sehnenhalter-Set NSS 2

Set of Nerve and Tendon Holders NSS 2

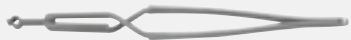
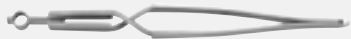


### Informationen

#### Information

- ° Einsatzgebiet:  
Chirurgie der peripheren Nerven und Sehnen
- ° Operational area:  
Surgery of peripheral nerves and tendons

|  | <b>Beschreibung</b><br><i>Description</i>                                          | <b>Artikelnummer</b><br><i>Article Number</i> |
|--|------------------------------------------------------------------------------------|-----------------------------------------------|
|  | Nerven- und Sehnenhalter-Set NSS 2<br><i>Set of Nerve and Tendon Holders NSS 2</i> | <b>380-200-002</b>                            |

|                                                                                     | <b>Einzelteile</b><br><i>Single parts</i>                                                                                                                    | <b>Artikelnummer</b><br><i>Article Number</i> |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|                                                                                     | Instrumenten-Dose 90 x 130 x 14 mm<br><i>Instrument Case 90 x 130 x 14 mm</i>                                                                                | <b>380-901-314</b>                            |
| Im Nerven- und Sehnenhalter-Set enthalten<br><i>Set of Nerve and Tendon Holders</i> |  Haltepinzette Ø 2,0 mm<br><i>Holding Forceps dia. 2.0 mm</i>             | <b>340-001-020</b>                            |
|                                                                                     |  Haltepinzette Ø 3,0 mm<br><i>Holding Forceps dia. 3.0 mm</i>             | <b>340-001-030</b>                            |
|                                                                                     |  Haltepinzette Ø 4,0 mm<br><i>Holding Forceps dia. 4.0 mm</i>             | <b>340-001-040</b>                            |
|                                                                                     |  Haltepinzette Ø 5,0 mm<br><i>Holding Forceps dia. 5.0 mm</i>             | <b>340-001-050</b>                            |
|                                                                                     |  Haltepinzette Ø 6,0 mm<br><i>Holding Forceps dia. 6.0 mm</i>             | <b>340-001-060</b>                            |
|                                                                                     |  Haltepinzette Ø 7,0 mm<br><i>Holding Forceps dia. 7.0 mm</i>             | <b>340-001-070</b>                            |
|                                                                                     |  Klingenhalter 120 mm mit Feder<br><i>Blade Holder 120 mm with spring</i> | <b>340-010-001</b>                            |

Abbildungen sind nicht maßstäblich.  
*Images are not drawn to scale.*



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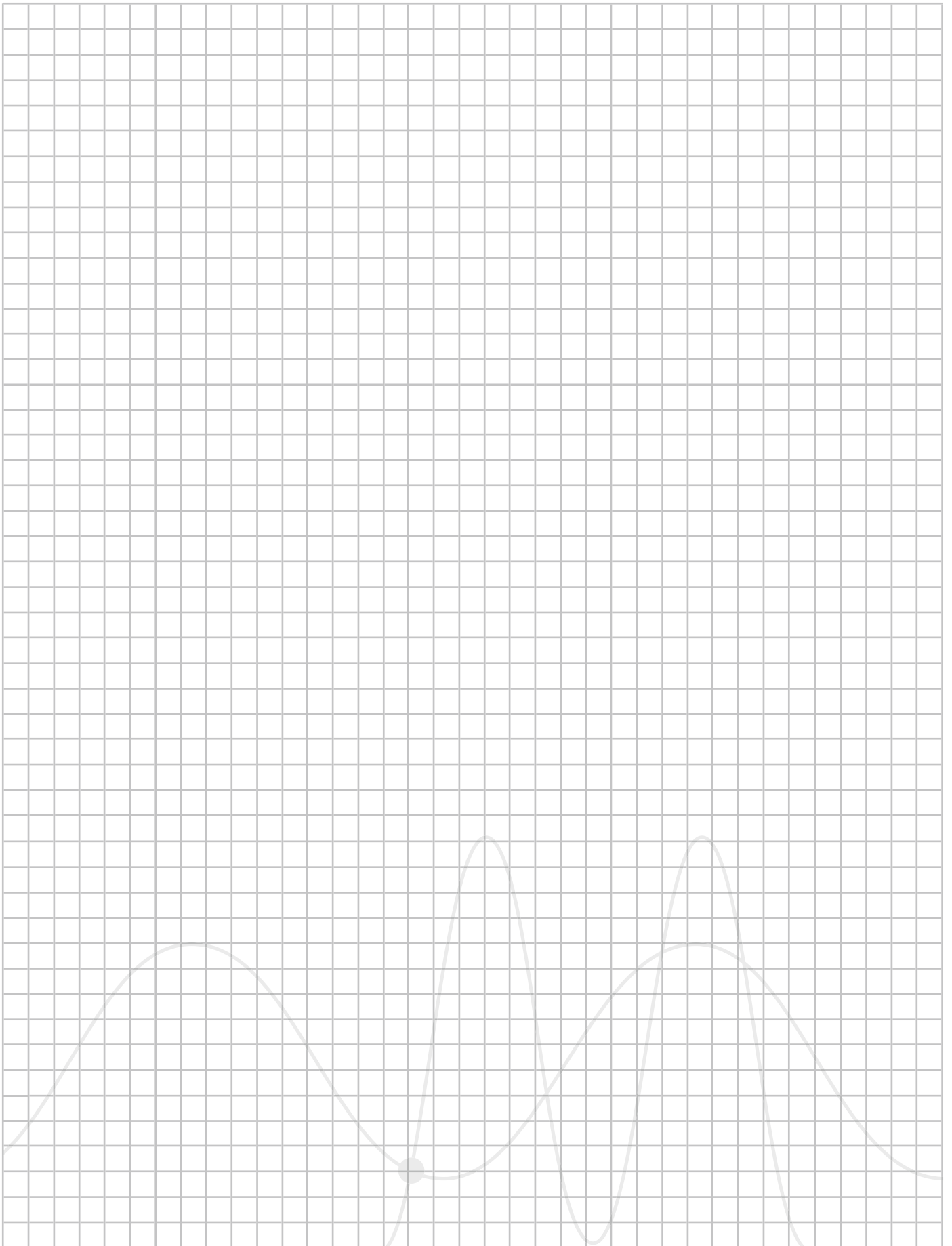
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Micromed Medizintechnik GmbH  
Eisenbahnstr. 84  
D-78573 Wurmlingen

Tel +49 7461 96 48 55 0  
Fax +49 7461 96 48 55 95

[info@micromed.com](mailto:info@micromed.com)  
[www.micromed.com](http://www.micromed.com)