

Anatomische Pinzetten - Chirurgische Pinzetten  
Dressing forceps - Dissecting forceps

Pincès à dissection - Pincès à dissection à griffes  
Pinzas de disección - Pinzas de disección con dientes  
Pinze per dissezione - Pinze per dissezione con denti



**TAYLOR**

175 mm - 7"

**tk 10310-17**

**tk 10312-17**

**tk 10313-17**



**GERALD**

180 mm - 7"

**tk 10324-18**

**tk 10325-18**

**tk 10326-19**

Atraumatische Pinzetten  
*Atraumatic tissue forceps*

Pinces atraumatiques  
*Pinzas de disección atraumáticas*  
Pinze per dissezione atraumatiche

**ATRAUMTK****DE BAKEY-GERALD**

|             |                    |
|-------------|--------------------|
| 150 mm - 6" | <b>tk 10327-15</b> |
| 180 mm - 7" | <b>tk 10327-18</b> |

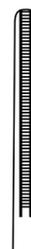
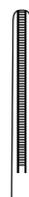
**DE BAKEY BAYONET**

|             |                    |
|-------------|--------------------|
| 180 mm - 7" | <b>tk 10328-18</b> |
| 200 mm - 8" | <b>tk 10328-20</b> |

Atraumatische Pinzetten  
Atraumatic tissue forceps

Pinces atraumaticas  
Pinzas de disección atraumáticas  
Pinze per dissezione atraumatiche

**ATRAUMTK**



DE B A K E Y

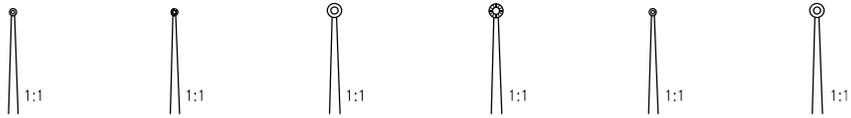
|                 | x = 1.5 mm         | x = 2.0 mm         | x = 2.7 mm         | x = 3.5 mm         |
|-----------------|--------------------|--------------------|--------------------|--------------------|
| 120 mm - 4 3/4" | <b>tk 11960-12</b> |                    |                    |                    |
| 145 mm - 5 3/4" | <b>tk 11960-14</b> | <b>tk 11964-14</b> |                    |                    |
| 160 mm - 6 1/4" | <b>tk 11960-16</b> | <b>tk 11964-16</b> | <b>tk 11966-16</b> | <b>tk 11965-16</b> |
| 200 mm - 8"     | <b>tk 11960-20</b> | <b>tk 11964-20</b> | <b>tk 11966-20</b> | <b>tk 11965-20</b> |
| 240 mm - 9 1/2" | <b>tk 11960-24</b> | <b>tk 11964-24</b> | <b>tk 11966-24</b> | <b>tk 11965-24</b> |
| 300 mm - 12"    |                    | <b>tk 11964-30</b> | <b>tk 11966-30</b> | <b>tk 11965-30</b> |
| 350 mm - 14"    |                    |                    |                    | <b>tk 11965-35</b> |



|                 | x = 1.5 mm         | x = 2.0 mm         |
|-----------------|--------------------|--------------------|
| 145 mm - 5 3/4" | <b>tk 11967-14</b> |                    |
| 160 mm - 6 1/4" |                    | <b>tk 11967-16</b> |
| 200 mm - 8"     |                    | <b>tk 11967-20</b> |
| 240 mm - 9 1/2" |                    | <b>tk 11967-24</b> |
| 300 mm - 12"    |                    | <b>tk 11967-30</b> |

**Mikro-Ringpinzetten**  
*Micro ring forceps*

Micro pinces avec anneaux  
*Micro pinzas con anillos*  
Micro pinze con anelli



|              |                    |                    |                    |                    |                    |                    |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 9 mm Ø       | 1.0x0.5 mm         | 1.0x0.5 mm         | 2.0x1.0 mm         | 2.0x1.0 mm         | 1.0x0.5 mm         | 2.0x1.0 mm         |
| 150 mm – 6"  | <b>tk 25698-01</b> | <b>tk 25698-02</b> | <b>tk 25698-03</b> | <b>tk 25698-04</b> | <b>tk 25698-05</b> | <b>tk 25698-06</b> |
| 180 mm – 7"  | <b>tk 25698-07</b> | <b>tk 25698-08</b> | <b>tk 25698-09</b> | <b>tk 25698-10</b> | <b>tk 25698-11</b> | <b>tk 25698-12</b> |
| 210 mm – 8¼" | <b>tk 25699-01</b> | <b>tk 25699-02</b> | <b>tk 25699-03</b> | <b>tk 25699-04</b> | <b>tk 25699-05</b> | <b>tk 25699-06</b> |
| 230 mm – 9"  | <b>tk 25699-07</b> | <b>tk 25699-08</b> | <b>tk 25699-09</b> | <b>tk 25699-10</b> | <b>tk 25699-11</b> | <b>tk 25699-12</b> |

|                        |  |                        |  |                                      |                                      |
|------------------------|--|------------------------|--|--------------------------------------|--------------------------------------|
| glatt<br><i>smooth</i> | fein gerieft<br><i>slightly serrated</i> | glatt<br><i>smooth</i> | fein gerieft<br><i>slightly serrated</i> | diamantiert<br><i>diamond coated</i> | diamantiert<br><i>diamond coated</i> |
| lisse<br><i>lisa</i>   | légèrement strié<br><i>lig. estriada</i> | lisse<br><i>lisa</i>   | légèrement strié<br><i>lig. estriada</i> | diamanté<br><i>diamantada</i>        | diamanté<br><i>diamantada</i>        |
| liscia                 | fina zigrinata                           | liscia                 | fina zigrinata                           | diamantata                           | diamantata                           |



|              |                    |                    |                    |                    |                    |                    |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 8 mm Ø       | 1.0x0.5 mm         | 1.0x0.5 mm         | 2.0x1.0 mm         | 2.0x1.0 mm         | 1.0x0.5 mm         | 2.0x1.0 mm         |
| 150 mm – 6"  | <b>tk 25696-01</b> | <b>tk 25696-02</b> | <b>tk 25696-03</b> | <b>tk 25696-04</b> | <b>tk 25696-05</b> | <b>tk 25696-06</b> |
| 180 mm – 7"  | <b>tk 25696-07</b> | <b>tk 25696-08</b> | <b>tk 25696-09</b> | <b>tk 25696-10</b> | <b>tk 25696-11</b> | <b>tk 25696-12</b> |
| 210 mm – 8¼" | <b>tk 25697-01</b> | <b>tk 25697-02</b> | <b>tk 25697-03</b> | <b>tk 25697-04</b> | <b>tk 25697-05</b> | <b>tk 25697-06</b> |
| 230 mm – 9"  | <b>tk 25697-07</b> | <b>tk 25697-08</b> | <b>tk 25697-09</b> | <b>tk 25697-10</b> | <b>tk 25697-11</b> | <b>tk 25697-12</b> |

|                        |  |                        |  |                                      |                                      |
|------------------------|--|------------------------|--|--------------------------------------|--------------------------------------|
| glatt<br><i>smooth</i> | fein gerieft<br><i>slightly serrated</i> | glatt<br><i>smooth</i> | fein gerieft<br><i>slightly serrated</i> | diamantiert<br><i>diamond coated</i> | diamantiert<br><i>diamond coated</i> |
| lisse<br><i>lisa</i>   | légèrement strié<br><i>lig. estriada</i> | lisse<br><i>lisa</i>   | légèrement strié<br><i>lig. estriada</i> | diamanté<br><i>diamantada</i>        | diamanté<br><i>diamantada</i>        |
| liscia                 | fina zigrinata                           | liscia                 | fina zigrinata                           | diamantata                           | diamantata                           |

Scheren | Ciseaux  
Scissors | Tijeras  
Forbici



**METZENBAUM-FINO**

STANDARD

|              |            |            |
|--------------|------------|------------|
| 140 mm - 5½" | tk 8372-14 | tk 8373-14 |
| 180 mm - 7"  | tk 8380-18 | tk 8381-18 |
| 200 mm - 8"  | tk 8380-20 | tk 8381-20 |
| 230 mm - 9"  | tk 8380-23 | tk 8381-23 |

TC CUT

|              |            |            |
|--------------|------------|------------|
| 140 mm - 5½" | tk 8363-14 | tk 8365-14 |
| 180 mm - 7"  | tk 8370-18 | tk 8371-18 |
| 200 mm - 8"  | tk 8370-20 | tk 8371-20 |
| 230 mm - 9"  | tk 8370-23 | tk 8371-23 |

SUPERCUT

|              |               |               |
|--------------|---------------|---------------|
| 140 mm - 5½" | tk 8372-14 SU | tk 8373-14 SU |
| 180 mm - 7"  | tk 8380-18 SU | tk 8381-18 SU |
| 200 mm - 8"  | tk 8380-20 SU | tk 8381-20 SU |
| 230 mm - 9"  | tk 8380-23 SU | tk 8381-23 SU |



**GOLDMAN-FOX**

|             |               |               |
|-------------|---------------|---------------|
| 130 mm - 5" | tk 9922-13    | tk 9923-13    |
| 130 mm - 5" | tk 9922-13 SU | tk 9923-13 SU |



Scheren  
Scissors

Ciseaux  
Tijeras  
Forbici



**MAYO**

| STANDARD     |            |            |
|--------------|------------|------------|
| 140 mm - 5½" | tk 8272-14 | tk 8273-14 |
| 150 mm - 6"  | tk 8272-15 | tk 8273-15 |
| 170 mm - 6¾" | tk 8272-17 | tk 8273-17 |
| 230 mm - 9"  | tk 8272-23 | tk 8273-23 |

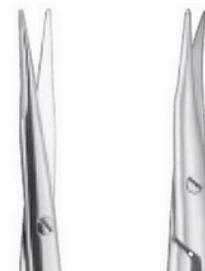
| TC CUT       |            |            |
|--------------|------------|------------|
| 140 mm - 5½" | tk 8278-14 | tk 8279-14 |
| 150 mm - 6"  | tk 8288-15 | tk 8289-15 |
| 170 mm - 6¾" | tk 8278-17 | tk 8279-17 |
| 230 mm - 9"  | tk 8278-23 | tk 8279-23 |

| SUPERCUT     |               |               |
|--------------|---------------|---------------|
| 140 mm - 5½" | tk 8272-14 SU | tk 8273-14 SU |
| 150 mm - 6"  | tk 8272-15 SU | tk 8273-15 SU |
| 170 mm - 6¾" | tk 8272-17 SU | tk 8273-17 SU |
| 230 mm - 9"  | tk 8272-23 SU | tk 8273-23 SU |



**STEVENS**

|              |            |               |
|--------------|------------|---------------|
| 100 mm - 4"  | tk 9462-10 | tk 9463-10    |
| 110 mm - 4¼" | tk 9462-11 | tk 9463-11    |
| 100 mm - 4"  |            | tk 9463-10 SU |
| 110 mm - 4¼" |            | tk 9463-11 SU |



**REYNOLDS (JAMESON)**

|              |               |               |
|--------------|---------------|---------------|
| 160 mm - 6¼" | tk 8602-16    | tk 8603-16    |
| 180 mm - 7"  | tk 8602-18    | tk 8603-18    |
| 160 mm - 6¼" | tk 8602-16 SU | tk 8603-16 SU |
| 180 mm - 7"  | tk 8602-18 SU | tk 8603-18 SU |

Scheren | Ciseaux  
Scissors | Tijeras  
Forbici



**JOSEPH**

|              |            |            |
|--------------|------------|------------|
| 140 mm - 5½" | tk 8692-14 | tk 8693-14 |
|--------------|------------|------------|

**■ SUPERCUT**

|              |               |               |
|--------------|---------------|---------------|
| 140 mm - 5½" | tk 8692-14 SU | tk 8693-14 SU |
|--------------|---------------|---------------|



**STEVENS**

|                   |              |
|-------------------|--------------|
| <b>□</b> STANDARD |              |
| 130 mm - 5"       | tk 8463-13-A |

|                   |              |
|-------------------|--------------|
| <b>■</b> SUPERCUT |              |
| 130 mm - 5"       | tk 8463-13-B |

stumpf  
blunt  
mousses  
roma  
smusse



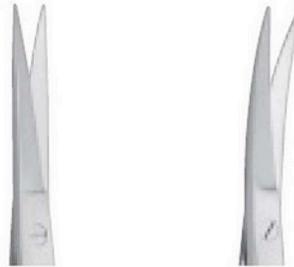
**IRIS**

|                   |            |            |
|-------------------|------------|------------|
| <b>□</b> STANDARD |            |            |
| 90 mm - 3½"       | tk 8642-09 | tk 8643-09 |
| 115 mm - 4½"      | tk 8632-11 | tk 8633-11 |

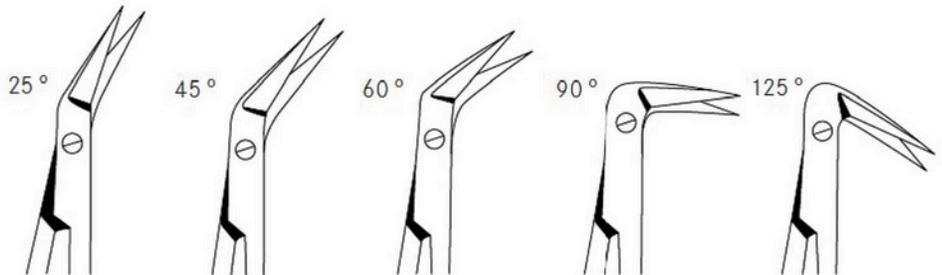
|                 |               |               |
|-----------------|---------------|---------------|
| <b>■</b> TC CUT |               |               |
| 115 mm - 4½"    | tk 8636-11 TC | tk 8637-11 TC |

|              |            |            |
|--------------|------------|------------|
| 120 mm - 4¾" | tk 9422-12 | tk 9423-12 |
|--------------|------------|------------|

|                   |  |              |
|-------------------|--|--------------|
| <b>■</b> SUPERCUT |  |              |
| 115 mm - 4½"      |  | tk 9434-11-B |

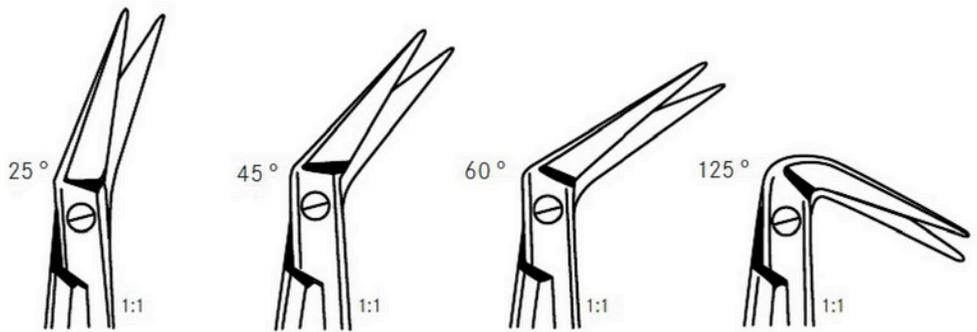


Gefäßscheren | Ciseaux vasculaires  
 Vascular scissors | Tijeras vasculares  
 Forbici vascolari



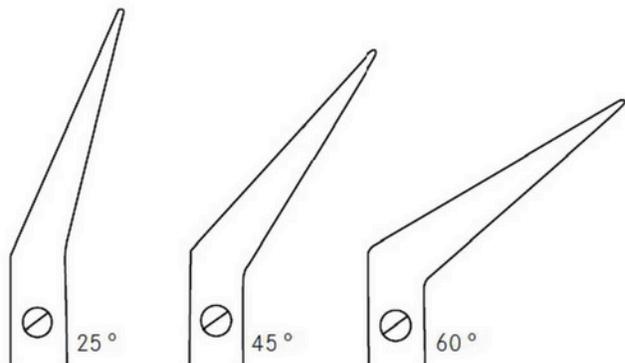
DIETRICH-HEGEMANN

|                 |            |            |            |            |            |
|-----------------|------------|------------|------------|------------|------------|
| 145 mm - 5 3/4" | tk 8754-14 | tk 8755-14 | tk 8756-14 | tk 8757-14 | tk 8758-14 |
| 160 mm - 6 1/4" | tk 8754-16 | tk 8755-16 | tk 8756-16 | tk 8757-16 | tk 8758-16 |
| 190 mm - 7 1/2" | tk 8754-19 | tk 8755-19 | tk 8756-19 | tk 8757-19 | tk 8758-19 |



POTTS-DE MARTEL

|                 |            |            |            |            |
|-----------------|------------|------------|------------|------------|
| 190 mm - 7 1/2" | tk 8771-25 | tk 8771-45 | tk 8771-60 | tk 8771-12 |
|-----------------|------------|------------|------------|------------|



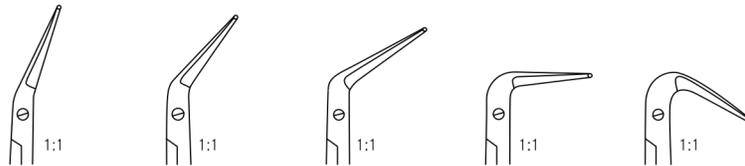
DE BAKEY

|                 |            |            |            |
|-----------------|------------|------------|------------|
| 160 mm - 6 1/4" | tk 8745-16 | tk 8746-16 | tk 8747-16 |
| 230 mm - 9"     | tk 8745-23 | tk 8746-23 | tk 8747-23 |
| 280 mm - 11"    | tk 8745-28 | tk 8746-28 | tk 8747-28 |

1:2

Mikroscheren mit Rundgriff  
*Micro scissors with round handle*

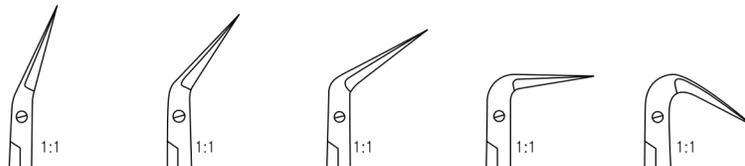
Micro ciseaux avec manche ronde  
*Micro tijeras con mango redondo*  
 Forbici per micro chirurgia con manico rotondo



|             |                    |                    |                    |                    |                    |
|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 8 mm Ø      | 25°                | 45°                | 60°                | 90°                | 125°               |
| 180 mm - 7" | <b>tk 25758-25</b> | <b>tk 25758-45</b> | <b>tk 25758-60</b> | <b>tk 25758-90</b> | <b>tk 25758-12</b> |

Schneide 10 mm, mit Knopf, spitz  
*Blade 10 mm, with ball, sharp*

Lames 10 mm, avec bouton, pointues  
*Hojas 10 mm, con botón, agudas*  
 Lama 10 mm, con bottone, acuta



|             |                    |                    |                    |                    |                    |
|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 8 mm Ø      | 25°                | 45°                | 60°                | 90°                | 125°               |
| 180 mm - 7" | <b>tk 25759-25</b> | <b>tk 25759-45</b> | <b>tk 25759-60</b> | <b>tk 25759-90</b> | <b>tk 25759-12</b> |

Schneide 10 mm, ohne Knopf, spitz  
*Blade 10 mm, without ball, sharp*

Lames 10 mm, sans bouton, pointues  
*Hojas 10 mm, sin botón, agudas*  
 Lama 10 mm, senza bottone, acuta



mit gedrehtem Schluss  
*90° twisted*

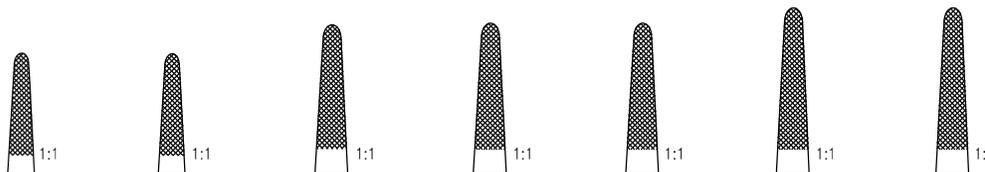
tordus de 90°  
*giradas de 90°*  
 girato 90°

Nadelhalter | Porte-aiguilles  
Needle holders | Porta-agujas  
Porta aghi

**TUCARK**



**I**



**MAYO-HEGAR**

|                    |                       |                    |                       |                       |                       |                    |
|--------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|--------------------|
| 140 mm - 5 1/2"    | 160 mm - 6 1/4"       | 180 mm - 7"        | 200 mm - 8"           | 240 mm - 9 1/2"       | 260 mm - 10 1/4"      | 300 mm - 12"       |
| <b>tk 20512-14</b> | <b>tk 20512-16</b>    | <b>tk 20512-18</b> | <b>tk 20512-20</b>    | <b>tk 20512-24</b>    | <b>tk 20512-26</b>    | <b>tk 20512-30</b> |
| -                  | <b>tk 20512-16 LH</b> | -                  | <b>tk 20512-20 LH</b> | <b>tk 20512-24 LH</b> | <b>tk 20512-26 LH</b> | -                  |

Linkshänder  
*left-hander*

gaucher  
*zurdo*  
mancino



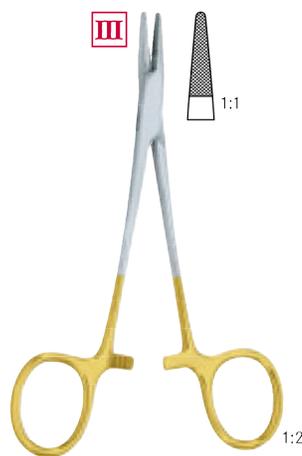
**II**



**III**

1:1

1:2



**III**

1:1

1:2

**NEIVERT (MASING)**

130 mm - 5"

**tk 20517-13 tucar**

ein Ring abgewinkelt  
*one ring angled*

une bague coudée  
*un anillo acodado*  
un anello angolato

**CONVERSE**

130 mm - 5"

**tk 20518-13 tucar**

**MATHIEU-OLSEN**

140 mm - 5 1/2"

**tk 20516-14 tucar**

170 mm - 6 3/4"

**tk 20516-17 tucar**

200 mm - 8"

**tk 20516-20 tucar**

Nadelhalter | Porte-aiguilles  
Needle holders | Porta-agujas  
Porta aghi

**TUCAR** **TK**

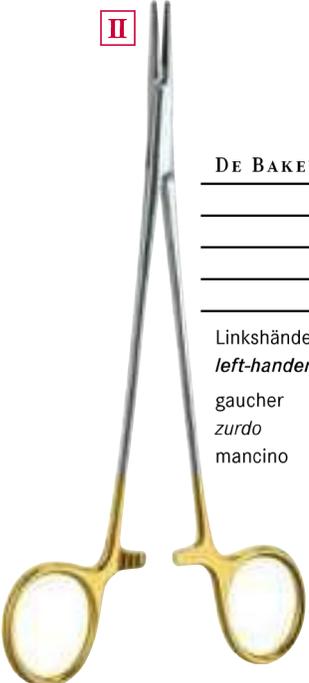
**II**



**SAROT**

|   |   |   |
|---|---|---|
|  1:1 |  1:1 |  1:1 |
| 180 mm - 7"   | 200 mm - 8"   | 260 mm - 10¼"   |
| <b>tk 20524-18 tucar</b>  | <b>tk 20524-20 tucar</b>  | <b>tk 20524-26 tucar</b>  |

**II**

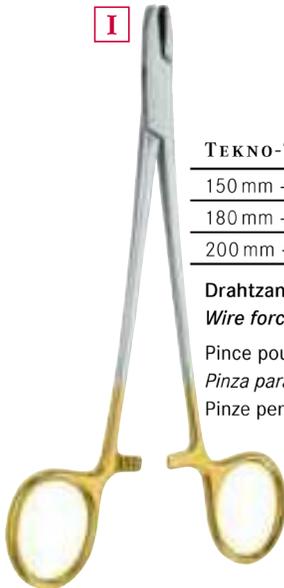


**DE BAKEY**

|   |   |   |   |   |
|---|---|---|---|---|
|  1:1 |  1:1 |  1:1 |  1:1 |  1:1 |
| 150 mm - 6"   | 180 mm - 7"   | 200 mm - 8"   | 230 mm - 9"   | 260 mm - 10¼"   |
| <b>tk 20522-15 tucar</b>  | <b>tk 20522-18 tucar</b>  | <b>tk 20522-20 tucar</b>  | <b>tk 20522-23 tucar</b>  | <b>tk 20522-26 tucar</b>  |
| <b>tk 20522-15 LH</b>   | -   | -   | <b>tk 20522-23 LH</b>   | <b>tk 20522-26 LH</b>   |

Linkshänder  
left-hander  
gaucher  
zurdo  
mancino

**I**



**TEKNO-TWIST**

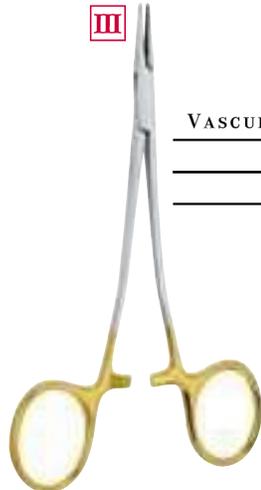
|   |   |
|---|---|
|  1:1 |  1:1 |
| 150 mm - 6"   | <b>tk 20800-15 tucar</b>   <b>tk 20801-15 tucar</b>                                       |
| 180 mm - 7"   | <b>tk 20800-18 tucar</b>   <b>tk 20801-18 tucar</b>                                       |
| 200 mm - 8"   | <b>tk 20800-20 tucar</b>   <b>tk 20801-20 tucar</b>                                       |

Drahtzange  
Wire forceps  
Pince pour fils d'acier  
Pinza para hilos  
Pinze per fili d'acciaio

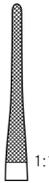
Nadelhalter | Porte-aiguilles  
Needle holders | Porta-agujas  
Porta aghi

**TUCARK**

**III**



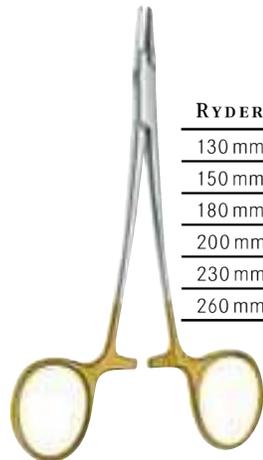




**VASCULAR**

|                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|
| 140 mm - 5½"             | 180 mm - 7"              | 200 mm - 8"              | 230 mm - 9"              |
| <b>tk 20525-14 tucar</b> | <b>tk 20525-18 tucar</b> | <b>tk 20525-20 tucar</b> | <b>tk 20525-23 tucar</b> |

**II**




**RYDER**

|               |                          |
|---------------|--------------------------|
| 130 mm - 5"   | <b>tk 20540-13 tucar</b> |
| 150 mm - 6"   | <b>tk 20540-15 tucar</b> |
| 180 mm - 7"   | <b>tk 20540-18 tucar</b> |
| 200 mm - 8"   | <b>tk 20540-20 tucar</b> |
| 230 mm - 9"   | <b>tk 20540-23 tucar</b> |
| 260 mm - 10¼" | <b>tk 20540-26 tucar</b> |

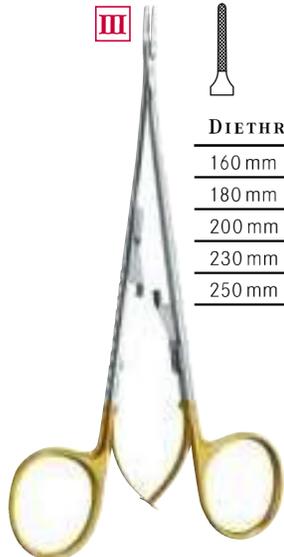
**III**



**MINI-RYDER**

|                          |
|--------------------------|
| <b>tk 20542-13 tucar</b> |
| <b>tk 20542-15 tucar</b> |
| <b>tk 20542-18 tucar</b> |
| <b>tk 20542-20 tucar</b> |
| <b>tk 20542-23 tucar</b> |
| <b>tk 20542-26 tucar</b> |

**III**



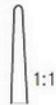

**DIETRICH**

|              |                          |
|--------------|--------------------------|
| 160 mm - 6¼" | <b>tk 20560-16 tucar</b> |
| 180 mm - 7"  | <b>tk 20560-18 tucar</b> |
| 200 mm - 8"  | <b>tk 20560-20 tucar</b> |
| 230 mm - 9"  | <b>tk 20560-23 tucar</b> |
| 250 mm - 9¾" | <b>tk 20560-25 tucar</b> |

**Mikronadelhalter mit Rundgriff**  
*Micro needle holders with round handle*

Micro porte aiguilles avec manche ronde  
*Micro porta agujas con mango redondo*  
 Micro porta aghi con manico rotondo



| YASARGIL                                  |  1:1 |  1:1 |  1:1 |  1:1 |
|---|---|---|--|---|
|   | x = 1 mm  | x = 1 mm  | x = 1 mm   | x = 1 mm  |
| 210 mm - 8 1/4"                           | <b>tk 25623-01</b>  | <b>tk 25623-02</b>  | <b>tk 25623-13</b>   | <b>tk 25623-14</b>  |
| ohne Sperre<br><i>without ratchet</i>     | gerade<br><i>straight</i>   | gebogen<br><i>curved</i>  | gerade, diamantiert<br><i>straight, diamond coated</i>                                 | gebogen, diamantiert<br><i>curved, diamond coated</i>                                   |
| sans crémaillère<br><i>sin cremallera</i> | droit<br><i>recta</i>   | courbe<br><i>curva</i>  | droit, diamanté<br><i>recta, diamantado</i>  | courbe, diamanté<br><i>curva, diamantado</i>  |
| senza cremagliera                         | retto   | curvo   | retto, diamantato  | curvo, diamantato   |
|   | x = 1 mm  | x = 1 mm  | x = 1 mm   | x = 1 mm  |
| 210 mm - 8 1/4"                           | <b>tk 25623-03</b>  | <b>tk 25623-04</b>  | <b>tk 25623-15</b>   | <b>tk 25623-16</b>  |
| mit Sperre<br><i>with ratchet</i>         | gerade<br><i>straight</i>   | gebogen<br><i>curved</i>  | gerade, diamantiert<br><i>straight, diamond coated</i>                                 | gebogen, diamantiert<br><i>curved, diamond coated</i>                                   |
| avec crémaillère<br><i>con cremallera</i> | droit<br><i>recta</i>   | courbe<br><i>curva</i>  | droit, diamanté<br><i>recta, diamantada</i>  | courbe, diamanté<br><i>curva, diamantada</i>  |
| con cremagliera                           | retto   | curvo   | retto, diamantato  | curvo, diamantato   |



| VASCULAR  |  1:1 |  1:1 |  1:1 |  1:1 |
|---|---|---|---|---|
|   | 180 mm - 7"   | <b>tk 20716-18 tucar</b>  | <b>tk 20714-18 tucar</b>  | <b>tk 20717-18 tucar</b>  |
| gerade, ohne Sperre<br><i>straight, without ratchet</i> | gerade, mit Sperre<br><i>straight, with ratchet</i>                                     | gebogen, ohne Sperre<br><i>curved, without ratchet</i>                                  | gebogen, mit Sperre<br><i>curved, with ratchet</i>  |   |
| droit, sans crémaillère<br><i>recta, sin cremallera</i> | droit, avec crémaillère<br><i>recta, con cremallera</i>                                 | courbe, sans crémaillère<br><i>curva, sin cremallera</i>                                | courbe, avec crémaillère<br><i>curva, con cremallera</i>                                  |   |
| retto, senza cremagliera                                | retto, con cremagliera  | curvo, senza cremagliera  | curvo, con cremagliera  |   |
|   | x = 1 mm  | x = 1 mm  | x = 1 mm  | x = 1 mm  |
| 210 mm - 8 1/4"   | <b>tk 25623-07 tucar</b>  | <b>tk 25623-08 tucar</b>  | <b>tk 25623-11 tucar</b>  | <b>tk 25623-12 tucar</b>  |
| mit Sperre<br><i>with ratchet</i>                       | gerade, glatt<br><i>straight, smooth</i>  | gebogen, glatt<br><i>curved, smooth</i>   | gerade, gerieft<br><i>straight, serrated</i>  | gebogen, gerieft<br><i>curved, serrated</i>   |
| avec crémaillère<br><i>con cremallera</i>               | droit, lisse<br><i>recta, lisa</i>  | courbe, lisse<br><i>curva, lisa</i>   | droit, strié<br><i>recta, estriada</i>  | courbe, strié<br><i>curva, estriada</i>   |
| con cremagliera   | retto, liscio   | curvo, liscio   | retto, zigrinato  | curvo, zigrinato  |

Mikronadelhalter mit Rundgriff  
*Micro needle holders with round handle*

Micro porte aiguilles avec manche ronde  
*Micro porta agujas con mango redondo*  
 Micro porta aghi con manico rotondo



|                 |         |                    |                    |
|-----------------|---------|--------------------|--------------------|
| 110 mm - 4 1/4" | 8 mm Ø  | <b>tk 25637-11</b> | <b>tk 25638-11</b> |
| 125 mm - 5"     | 7 mm Ø  | <b>tk 25654-12</b> | <b>tk 25655-12</b> |
| 130 mm - 5"     | 8 mm Ø  | <b>tk 25658-13</b> | <b>tk 25659-13</b> |
| 130 mm - 5"     | 10 mm Ø | <b>tk 25652-13</b> | <b>tk 25653-13</b> |
| 150 mm - 6"     | 8 mm Ø  | <b>tk 25640-15</b> | <b>tk 25641-15</b> |
| 180 mm - 7"     | 8 mm Ø  | <b>tk 25664-18</b> | <b>tk 25665-18</b> |
| 180 mm - 7"     | 10 mm Ø | <b>tk 25668-18</b> | <b>tk 25669-18</b> |

**ohne Sperre**  
*without ratchet*  
 sans crémaillère  
*sin cremallera*  
 senza cremagliera

**gerade**  
*straight*  
 droit  
*recta*  
 retto

**gebogen**  
*curved*  
 courbe  
*curva*  
 curvo

|                 |         |                    |                    |
|-----------------|---------|--------------------|--------------------|
| 110 mm - 4 1/4" | 8 mm Ø  | <b>tk 25635-11</b> | <b>tk 25636-11</b> |
| 125 mm - 5"     | 7 mm Ø  | <b>tk 25656-12</b> | <b>tk 25657-12</b> |
| 130 mm - 5"     | 8 mm Ø  | <b>tk 25662-13</b> | <b>tk 25663-13</b> |
| 130 mm - 5"     | 10 mm Ø | <b>tk 25645-13</b> | <b>tk 25646-13</b> |
| 150 mm - 6"     | 8 mm Ø  | <b>tk 25642-15</b> | <b>tk 25643-15</b> |
| 180 mm - 7"     | 8 mm Ø  | <b>tk 25666-18</b> | <b>tk 25667-18</b> |
| 180 mm - 7"     | 10 mm Ø | <b>tk 25670-18</b> | <b>tk 25671-18</b> |

**mit Sperre**  
*with ratchet*  
 avec crémaillère  
*con cremallera*  
 con cremagliera

**gerade**  
*straight*  
 droit  
*recta*  
 retto

**gebogen**  
*curved*  
 courbe  
*curva*  
 curvo

Gefäß-Dilatatoren | Dilatateurs vasculaires  
*Vascular dilators* | *Dilatadores vasculares*  
 Dilatatori vascolari



| <b>DE BAKEY</b>   |  | 0.5 mm Ø           | 1.0 mm Ø           | 1.5 mm Ø           | 2.0 mm Ø           | 2.5 mm Ø           | 3.0 mm Ø           |
|---|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 190 mm - 7½"  |  | <b>tk 24840-05</b> | <b>tk 24840-10</b> | <b>tk 24840-15</b> | <b>tk 24840-20</b> | <b>tk 24840-25</b> | <b>tk 24840-30</b> |
| 350 mm - 13¾"   |  | <b>tk 24841-05</b> | <b>tk 24841-10</b> | <b>tk 24841-15</b> | <b>tk 24841-20</b> | <b>tk 24841-25</b> | <b>tk 24841-30</b> |
| <b>biegsam</b><br><i>malleable</i><br>malléable<br><i>malleable</i><br>flessibile |  |                    |                    |                    |                    |                    |                    |
|   |  | 3.5 mm Ø           | 4.0 mm Ø           | 4.5 mm Ø           | 5.0 mm Ø           | 7.0 mm Ø           | 9.0 mm Ø           |
| 190 mm - 7½"  |  | <b>tk 24840-35</b> | <b>tk 24840-40</b> | <b>tk 24840-45</b> | <b>tk 24840-50</b> | <b>tk 24840-70</b> | <b>tk 24840-90</b> |
| 350 mm - 13¾"   |  | <b>tk 24841-35</b> | <b>tk 24841-40</b> | <b>tk 24841-45</b> | <b>tk 24841-50</b> | <b>tk 24841-70</b> | <b>tk 24841-90</b> |

| <b>COOLEY</b>   |  | 0.5 mm Ø           | 1.0 mm Ø           | 1.5 mm Ø           | 2.0 mm Ø           |
|---|--|--------------------|--------------------|--------------------|--------------------|
| 130 mm - 5"   |  | <b>tk 24844-05</b> | <b>tk 24844-10</b> | <b>tk 24844-15</b> | <b>tk 24844-20</b> |
| <b>biegsam</b><br><i>malleable</i><br>malléable<br><i>malleable</i><br>flessibile |  |                    |                    |                    |                    |
|   |  | 2.5 mm Ø           | 3.0 mm Ø           | 4.0 mm Ø           | 5.0 mm Ø           |
| 130 mm - 5"   |  | <b>tk 24844-25</b> | <b>tk 24844-30</b> | <b>tk 24844-40</b> | <b>tk 24844-50</b> |

**Bulldogklemmen** | Clamps Bulldog  
*Bulldog clamps* | *Clamps Bulldog*  
 Pinze Bulldog



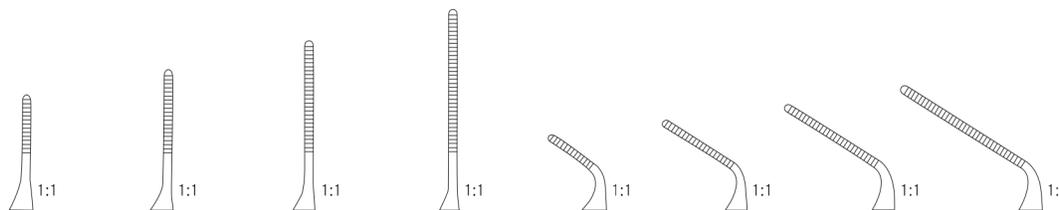
| DIEFFENBACH    |             |             |
|----------------|-------------|-------------|
| 35 mm - 1 1/2" | tk 11930-03 | tk 11931-03 |
| 50 mm - 2"     | tk 11930-05 | tk 11931-05 |
| 60 mm - 2 1/4" | tk 11930-06 | tk 11931-06 |



| JOHNS HOPKINS  |             |
|----------------|-------------|
| 50 mm - 2"     | tk 11935-05 |
| 65 mm - 2 1/2" | tk 11935-06 |
| 75 mm - 3"     | tk 11935-07 |



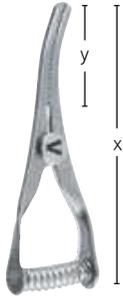
DIETRICH



|          |             |             |             |                |             |             |             |                |
|----------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|----------------|
| x =      | 50 mm - 2"  | 50 mm - 2"  | 50 mm - 2"  | 60 mm - 2 1/4" | 50 mm - 2"  | 50 mm - 2"  | 50 mm - 2"  | 60 mm - 2 1/4" |
| y =      | 8 mm        | 12 mm       | 16 mm       | 20 mm          | 8 mm        | 12 mm       | 16 mm       | 20 mm          |
| gms = 50 |             |             |             |                |             |             |             |                |
|          | tk 11940-08 | tk 11940-12 | tk 11940-16 | tk 11940-20    | tk 11941-08 | tk 11941-12 | tk 11941-16 | tk 11941-20    |

|           |                           |                       |
|-----------|---------------------------|-----------------------|
| x = Länge | y = geriefte Maullänge    | gms = Schließkraft    |
| Length    | serated jaw part          | closing force         |
| Longueur  | partie striée du mors     | force de fermeture    |
| Longitud  | parte estriada de la boca | presión               |
| Lunghezza | morso zigrinato           | pressione di chiusura |

**Bulldogklemmen** | Clamps Bulldog  
*Bulldog clamps* | *Clamps Bulldog*  
 Pinze Bulldog



| MINI - GLOVER | 1:1                | 1:1                | 1:1                | 1:1                | 1:1                | 1:1                | 1:1                | 1:1                |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| x=            | 30 mm - 1¼"        | 35 mm - 1½"        | 40 mm - 1½"        | 50 mm - 2"         | 30 mm - 1¼"        | 35 mm - 1½"        | 40 mm - 1½"        | 50 mm - 2"         |
| y=            | 11 mm              | 15 mm              | 17 mm              | 24 mm              | 11 mm              | 15 mm              | 17 mm              | 24 mm              |
| for Veins     | gms = 110          |                    |                    |                    |                    |                    |                    |                    |
| for Arteries  | gms = 220          |                    |                    |                    |                    |                    |                    |                    |
| for Veins     | <b>tk 11933-01</b> | <b>tk 11933-02</b> | <b>tk 11933-03</b> | <b>tk 11933-04</b> | <b>tk 11933-05</b> | <b>tk 11933-06</b> | <b>tk 11933-07</b> | <b>tk 11933-08</b> |
| for Arteries  | <b>tk 11934-01</b> | <b>tk 11934-02</b> | <b>tk 11934-03</b> | <b>tk 11934-04</b> | <b>tk 11934-05</b> | <b>tk 11934-06</b> | <b>tk 11934-07</b> | <b>tk 11934-08</b> |



|                  |                               |                           |
|------------------|-------------------------------|---------------------------|
| <b>x = Länge</b> | <b>y = geriefte Maullänge</b> | <b>gms = Schließkraft</b> |
| <i>Length</i>    | <i>serated jaw part</i>       | <i>closing force</i>      |
| Longueur         | partie striée du mors         | force de fermeture        |
| Longitud         | parte estriada de la boca     | presión                   |
| Lunghezza        | morso zigrinato               | pressione di chiusura     |

| MINI - GLOVER | 1:1                | 1:1                | 1:1                | 1:1                |
|---------------|--------------------|--------------------|--------------------|--------------------|
| x=            | 30 mm - 1¼"        | 35 mm - 1½"        | 40 mm - 1½"        | 50 mm - 2"         |
| y=            | 11 mm              | 15 mm              | 17 mm              | 24 mm              |
| for Veins     | gms = 110          |                    |                    |                    |
| for Arteries  | gms = 220          |                    |                    |                    |
| for Veins     | <b>tk 11933-09</b> | <b>tk 11933-10</b> | <b>tk 11933-11</b> | <b>tk 11933-12</b> |
| for Arteries  | <b>tk 11934-09</b> | <b>tk 11934-10</b> | <b>tk 11934-11</b> | <b>tk 11934-12</b> |



|                  |                               |                           |
|------------------|-------------------------------|---------------------------|
| <b>x = Länge</b> | <b>y = geriefte Maullänge</b> | <b>gms = Schließkraft</b> |
| <i>Length</i>    | <i>serated jaw part</i>       | <i>closing force</i>      |
| Longueur         | partie striée du mors         | force de fermeture        |
| Longitud         | parte estriada de la boca     | presión                   |
| Lunghezza        | morso zigrinato               | pressione di chiusura     |



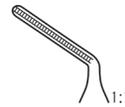
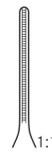
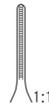
230 mm - 9"

**tk 11935-00**

Anlegezange für Mini-Glover Bulldogklemmen  
*Applying forceps for Mini-Glover bulldog clamps*  
 Pince á poser pour les clamps Bulldog (Mini-Glover)  
*Aplicadora para clamps Bulldog (Mini-Glover)*  
 Pinza per posizionare le pinze Bulldog (Mini-Glover)

Bulldogklemmen | Clamps Bulldog  
*Bulldog clamps* | *Clamps Bulldog*  
 Pinze Bulldog

ATRAUMTK



DE BAKEY - DIETHRICH

|           |                    |                    |                    |                    |                    |                    |
|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>x=</b> | 49 mm - 2"         | 53 mm - 2"         | 59 mm - 2¼"        | 44 mm - 1¾"        | 46 mm - 1¾"        | 49 mm - 2"         |
| <b>y=</b> | 10 mm              | 14 mm              | 20 mm              | 10 mm              | 14 mm              | 20 mm              |
| gms = 180 |                    |                    |                    |                    |                    |                    |
|           | <b>tk 11949-01</b> | <b>tk 11949-02</b> | <b>tk 11949-03</b> | <b>tk 11949-04</b> | <b>tk 11949-05</b> | <b>tk 11949-06</b> |

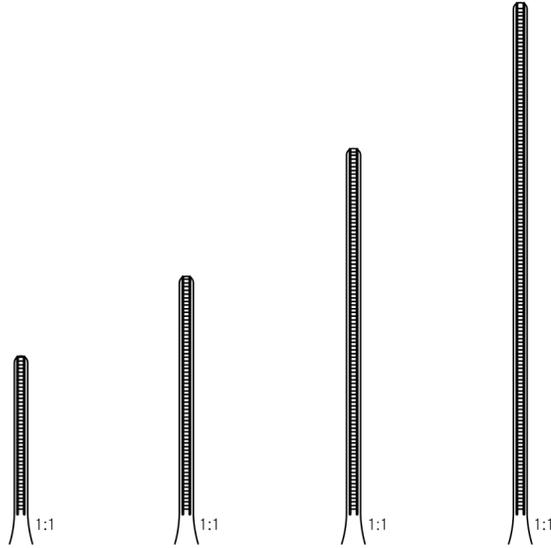
|                                   |  |   |
|-----------------------------------|--|---|
| <b>x = Länge</b><br><i>Length</i> | <b>y = geriefte Maullänge</b><br><i>serated jaw part</i> | <b>gms = Schließkraft</b><br><i>closing force</i> |
| Longueur                          | partie striée du mors                                    | force de fermeture                                |
| Longitud                          | parte estriada de la boca                                | presión   |
| Lunghezza                         | morso zigrinato  | pressione di chiusura                             |

Bulldogklemmen | Clamps Bulldog  
*Bulldog clamps* | *Clamps Bulldog*  
 Pinze Bulldog

**ATRAUMTK**



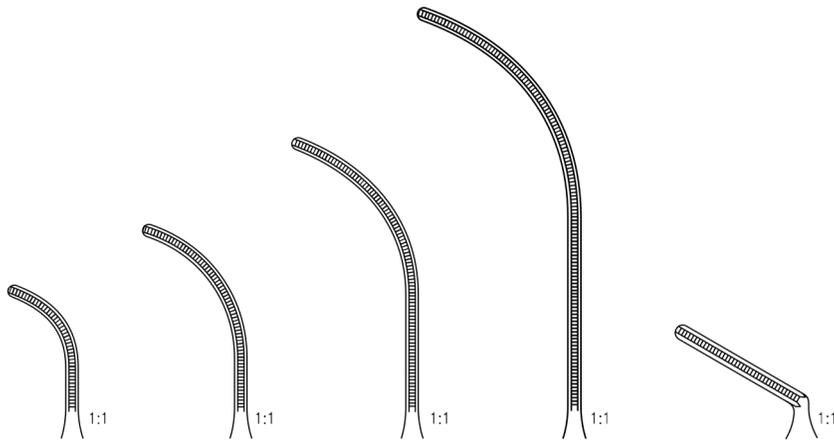
DE BAKEY



|                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| 75 mm - 3"         | 85 mm - 3 1/4"     | 105 mm - 4 1/4"    | 120 mm - 4 3/4"    |
| <b>tk 11950-08</b> | <b>tk 11950-09</b> | <b>tk 11950-10</b> | <b>tk 11950-12</b> |



DE BAKEY



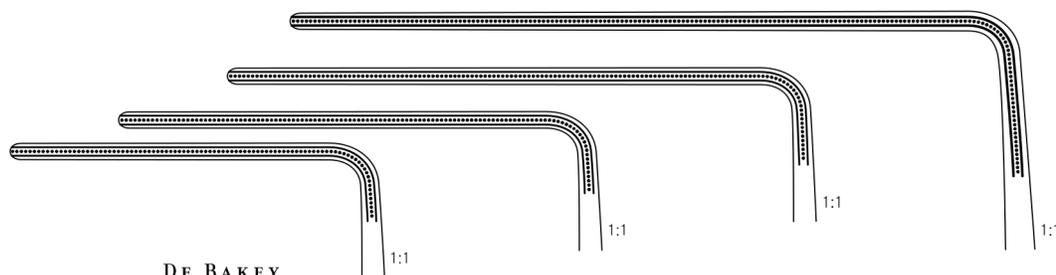
|                    |                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| 70 mm - 2 3/4"     | 80 mm - 3 1/4"     | 100 mm - 4"        | 115 mm - 4 1/2"    | 55 mm - 2 1/4"     |
| <b>tk 11951-08</b> | <b>tk 11951-09</b> | <b>tk 11951-10</b> | <b>tk 11951-12</b> | <b>tk 11951-05</b> |

abgewinkelt  
*angled on flat*  
 coudée sur le plat  
*angulado*  
 angolato

Mehrzweck - Gefäßklemmen  
Multi purpose vascular clamps

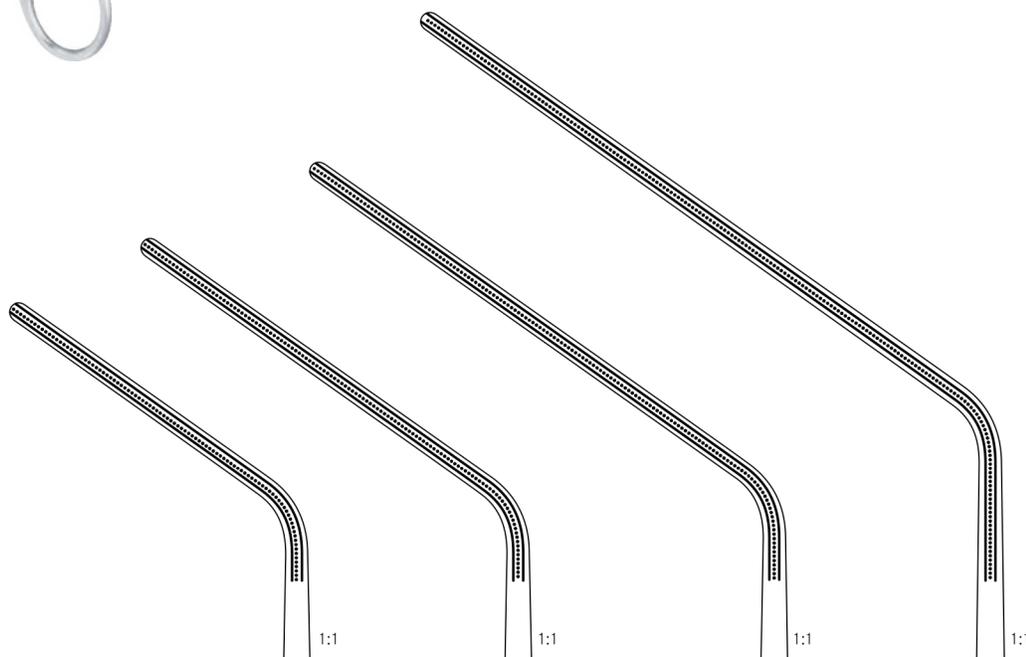
Pinces vasculaires universelles  
Pinzas vasculares de usos múltiples  
Pinze vascolari universali

**ATRAUM**TK



DE BAKEY

|                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| 180 mm - 7"        | 190 mm - 7½"       | 230 mm - 9"        | 270 mm - 10¾"      |
| <b>tk 22110-18</b> | <b>tk 22110-19</b> | <b>tk 22110-23</b> | <b>tk 22110-27</b> |



|                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| 200 mm - 8"        | 210 mm - 8½"       | 250 mm - 9¾"       | 300 mm - 12"       |
| <b>tk 22112-20</b> | <b>tk 22112-21</b> | <b>tk 22112-25</b> | <b>tk 22112-29</b> |

Mehrzweck-Gefäßklemmen  
Multi purpose vascular clamps

Pinces vasculaires universelles  
Pinzas vasculares de usos múltiples  
Pinze vascolari universali

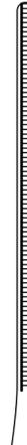
**ATRAUMTK**



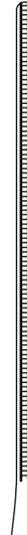
GLOVER



1:1



1:1



1:1

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 205 mm - 8"        | 220 mm - 8¾"       | 260 mm - 10¼"      |
| <b>tk 22060-20</b> | <b>tk 22060-22</b> | <b>tk 22060-26</b> |



1:1



1:1



1:1

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 205 mm - 8"        | 220 mm - 8¾"       | 260 mm - 10¼"      |
| <b>tk 22061-20</b> | <b>tk 22061-22</b> | <b>tk 22061-26</b> |

abgewinkelt  
angled on flat  
coudé sur le plat  
angulado  
angolato

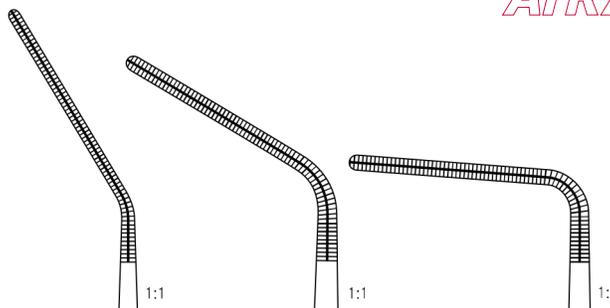
abgewinkelt  
angled on flat  
coudé sur le plat  
angulado  
angolato

abgewinkelt  
angled on flat  
coudé sur le plat  
angulado  
angolato

Mehrzweck - Gefäßklemmen  
*Multi purpose vascular clamps*

Pincés vasculaires universelles  
*Pinzas vasculares de usos múltiples*  
Pinze vascolari universali

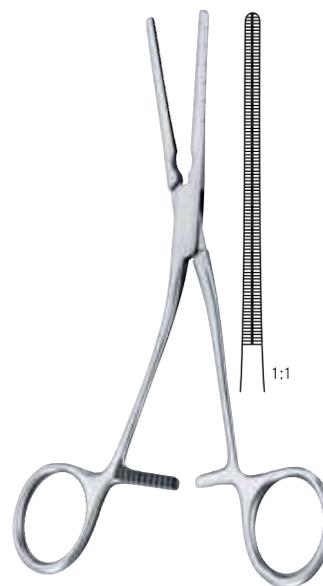
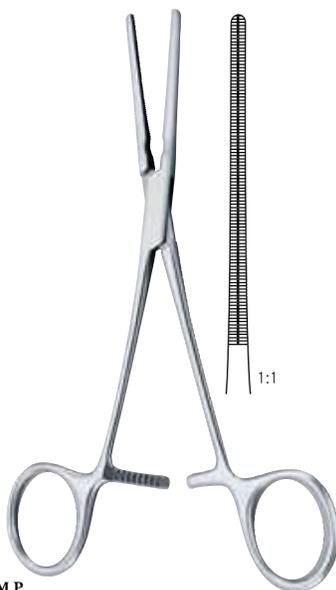
**ATRAUMTK**



COOLEY

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 165 mm - 6½"       | 160 mm - 6¼"       | 145 mm - 5¾"       |
| 25°                | 45°                | 90°                |
| <b>tk 22500-17</b> | <b>tk 22501-15</b> | <b>tk 22502-15</b> |

graduirt  
*graduated*  
gradu e  
*graduado*  
graduato



COOLEY  
PATENT DUCTUS CLAMP

|              |                    |                    |
|--------------|--------------------|--------------------|
| 160 mm - 6¼" | <b>tk 22520-01</b> | <b>tk 22607-16</b> |
| 170 mm - 6¾" | <b>tk 22610-17</b> | <b>tk 22524-17</b> |
| 200 mm - 8"  | <b>tk 22610-20</b> |                    |
| 210 mm - 8¼" | <b>tk 22507-21</b> |                    |
| 230 mm - 9"  | <b>tk 22610-23</b> | <b>tk 22607-23</b> |

graduirt  
*graduated*  
gradu e  
*graduado*  
graduato

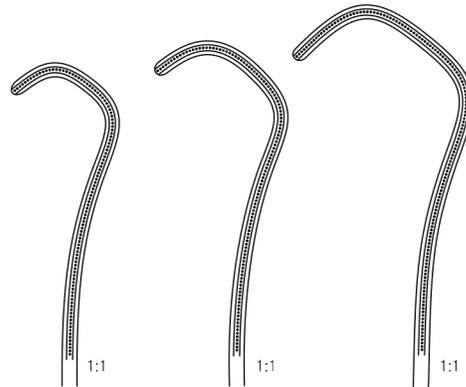
abgewinkelt, graduirt  
*angled on flat, graduated*  
coud e sur le plat, gradu e  
*angulada, graduada*  
angolata, graduata

Anastomoseklemmen | Pincés-clamps pour anastomose  
*Anastomosis clamps* | *Pinzas para anastomosis*  
 Pinze per anastomosi

**ATRAUMTK**



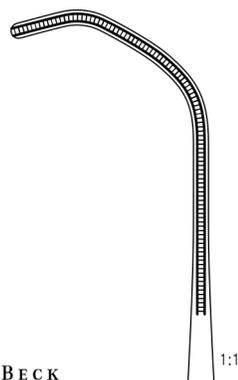
DERRA



|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 160 mm - 6 1/4"    | 170 mm - 6 3/4"    | 180 mm - 7"        |
| <b>tk 22052-16</b> | <b>tk 22052-17</b> | <b>tk 22052-18</b> |



BECK



|                    |
|--------------------|
| 170 mm - 6 3/4"    |
| <b>tk 22065-17</b> |



POTTS

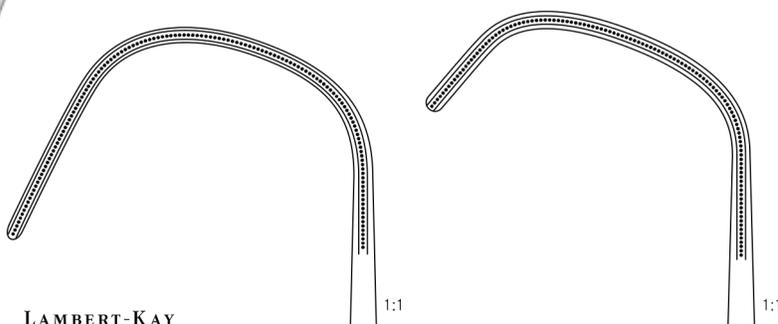


|                    |
|--------------------|
| 220 mm - 8 3/4"    |
| <b>tk 22081-22</b> |

Anastomoseklemmen  
*Anastomosis clamps*

Pinces-clamps pour anastomose  
*Pinzas para anastomosis*  
Pinze per anastomosi

**ATRAUMTK**



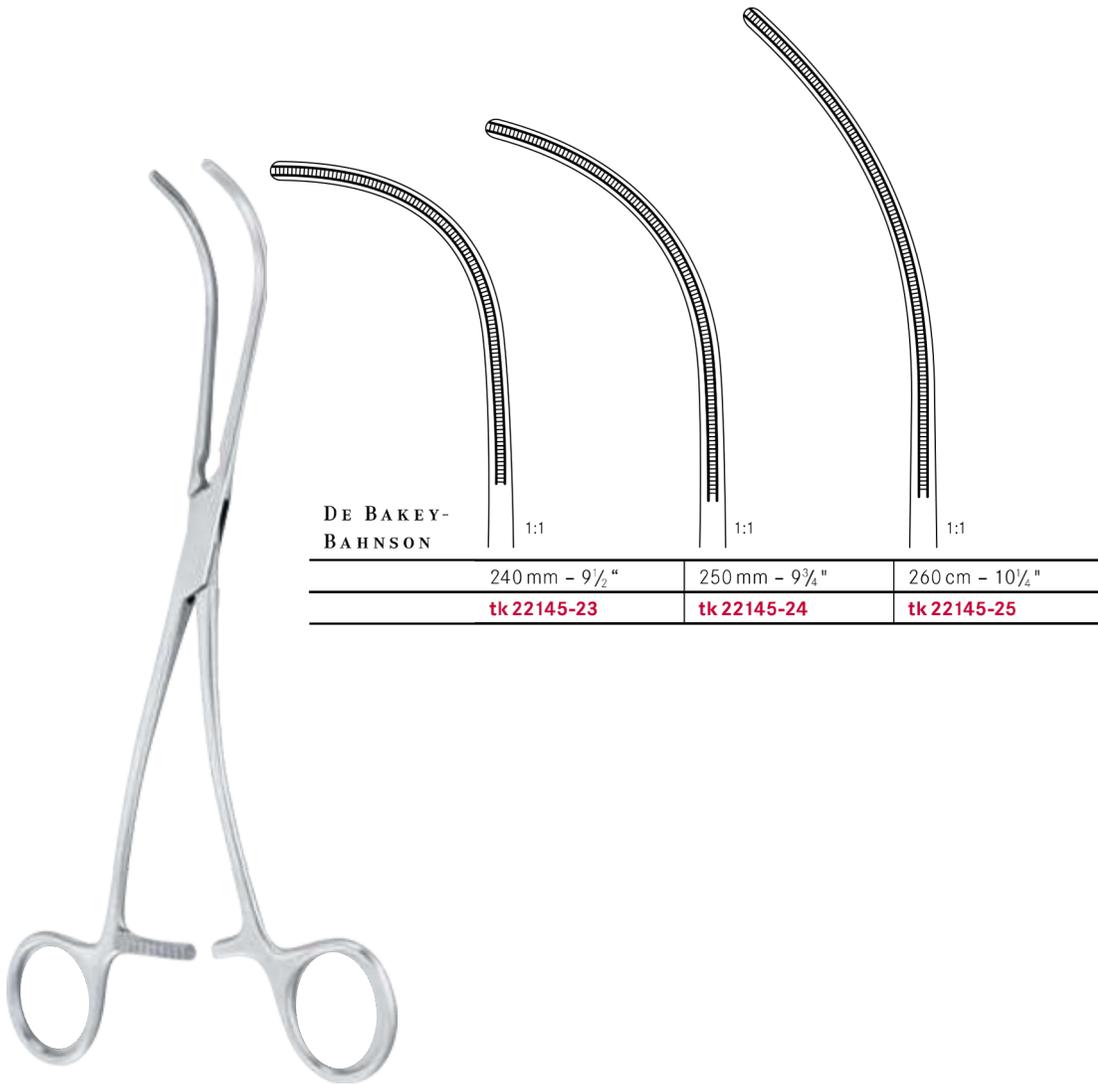
LAMBERT-KAY

200 mm - 8"

**tk 22138-21**

**tk 22139-21**

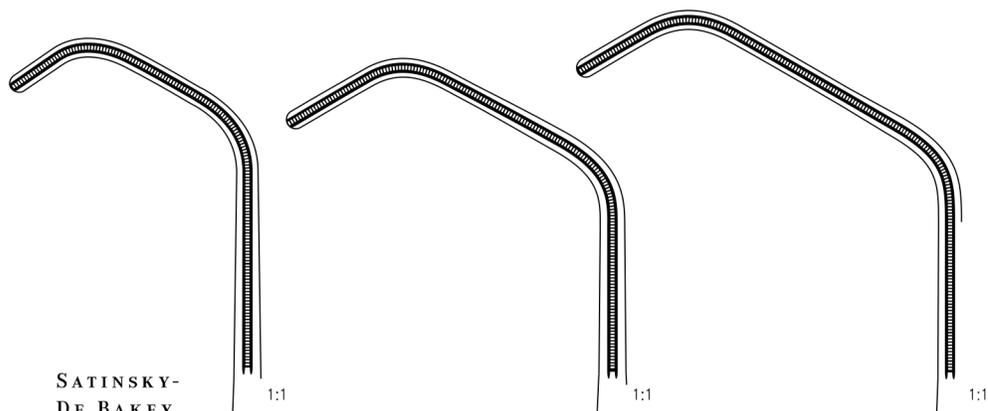
Aneurysmenklemmen | Pincés-clamps pour anévrismes  
 Aneurysm clamps | Pinzas para aneurisma  
 Pinze per aneurisma



Tangentialklemmen  
*Tangential occlusion clamps*

Pinces-clamps pour l'occlusion tangentielle  
*Pinzas para oclusión tangencial*  
Pinze per occlusione tangenziale

**ATRAUMTK**



SATINSKY-  
DE BAKEY

|                    |  |                    |
|--------------------|--|--------------------|
| 205 mm - 8"        | 240 mm - 9 <sup>3</sup> / <sub>4</sub> " | 250 mm - 10"       |
| <b>tk 22125-20</b> | <b>tk 22125-24</b>                       | <b>tk 22125-25</b> |



|   |   |
|---|---|
| 265 mm - 10 <sup>1</sup> / <sub>2</sub> " | 275 mm - 10 <sup>3</sup> / <sub>4</sub> " |
| <b>tk 22125-26</b>                        | <b>tk 22125-27</b>                        |

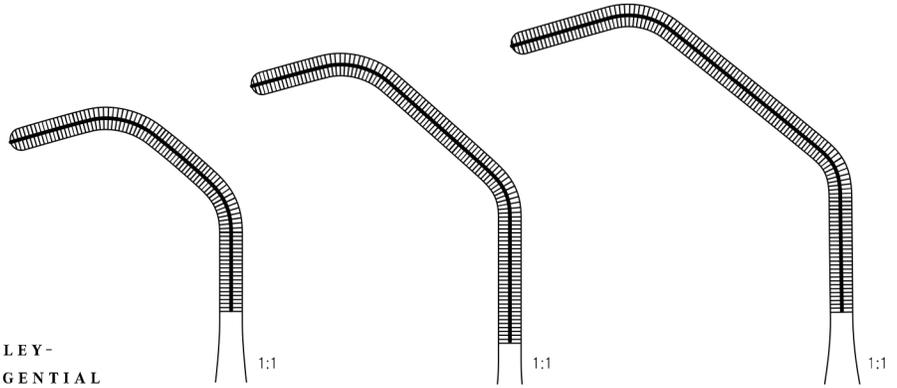
Tangentialklemmen  
*Tangential occlusion clamps*

Pinces-clamps pour l'occlusion tangentielle  
*Pinzas para oclusión tangencial*  
Pinze per occlusione tangenziale

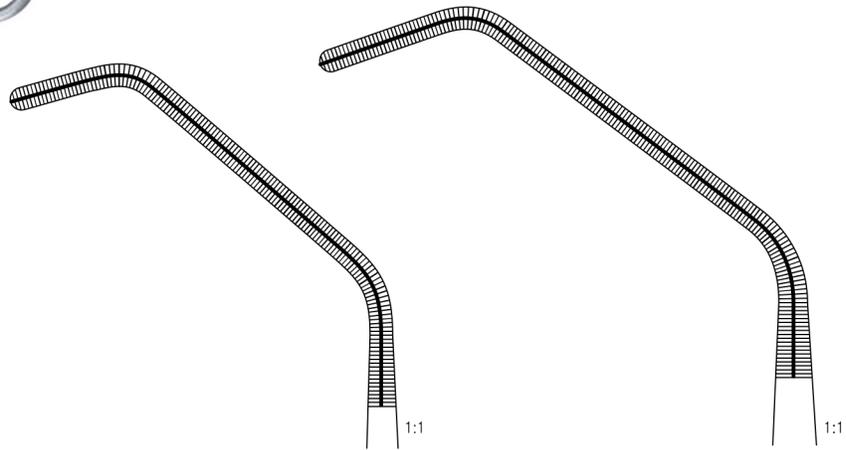
**ATRAUMTK**



COOLEY-  
TANGENTIAL



|                            |                    |                             |
|----------------------------|--------------------|-----------------------------|
| 195 mm - 7 $\frac{3}{4}$ " | 255 mm - 10"       | 260 mm - 10 $\frac{1}{4}$ " |
| <b>tk 22550-19</b>         | <b>tk 22550-25</b> | <b>tk 22550-26</b>          |

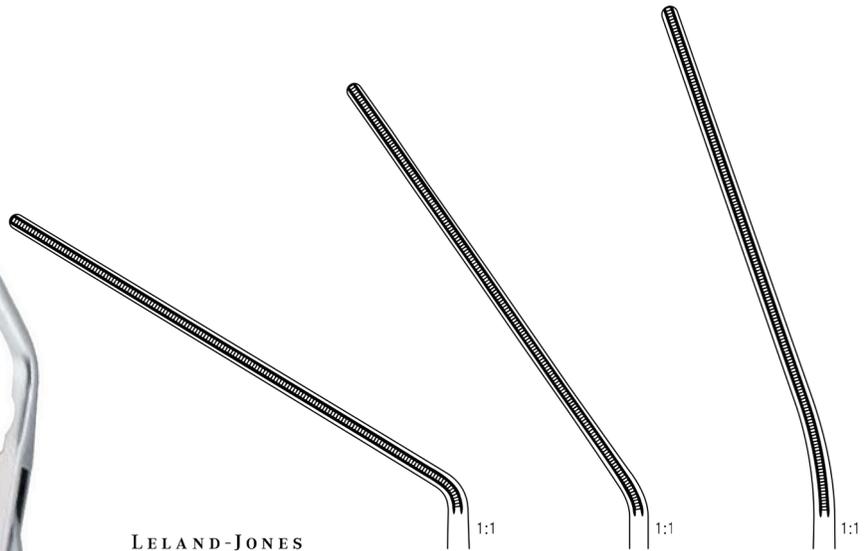


|                             |                             |
|-----------------------------|-----------------------------|
| 265 mm - 10 $\frac{1}{2}$ " | 270 mm - 10 $\frac{3}{4}$ " |
| <b>tk 22550-27</b>          | <b>tk 22550-28</b>          |

Peripheral-Gefäßklemmen  
Peripheral vascular clamps

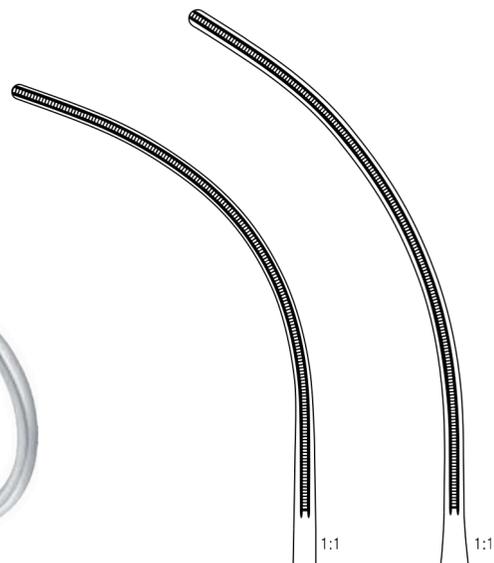
Pinces-clamps vasculaires périphériques  
Pinzas para vasos periféricos  
Pinze vascolari periferali

**ATRAUM**TK



LELAND-JONES

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 180 mm - 7"        | 190 mm - 7½"       | 200 mm - 8"        |
| <b>tk 22056-04</b> | <b>tk 22056-02</b> | <b>tk 22056-03</b> |



|                    |                    |
|--------------------|--------------------|
| 190 mm - 7½"       | 200 mm - 8"        |
| <b>tk 22049-19</b> | <b>tk 22049-20</b> |

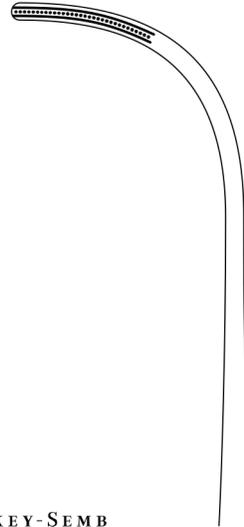
Ligaturklemmen | Pincés à ligatures  
 Ligature forceps | Pinzas para ligaduras  
 Pinze per legature



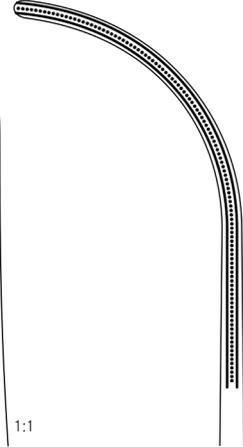
DE BAKEY-SEMB

240 mm - 9½"

1:2



1:1



1:1

tk 22117-24

tk 22118-24

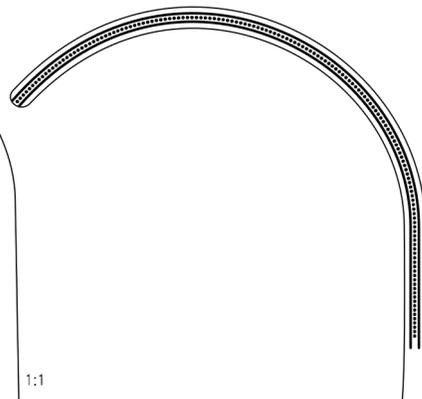


DE BAKEY

250 mm - 10"

tk 22120-25

1:1



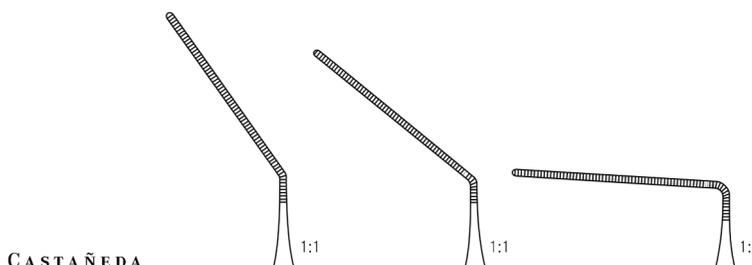
1:1

260 mm - 10¼"

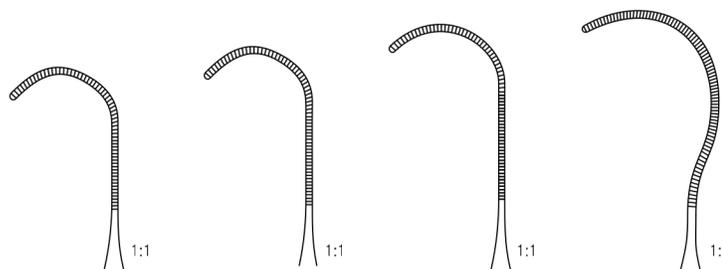
tk 22120-26

Neonatal- u. Kinderklemmen, extra feine Modelle  
*Neonatal and children's clamps, extra delicate patterns*

Pinces pour nouveaux-nés et enfants, modèles très fins  
*Pinzas para recién nacidos y niños, modelos muy finos*  
 Pinze per bambini e neonati, molto fine



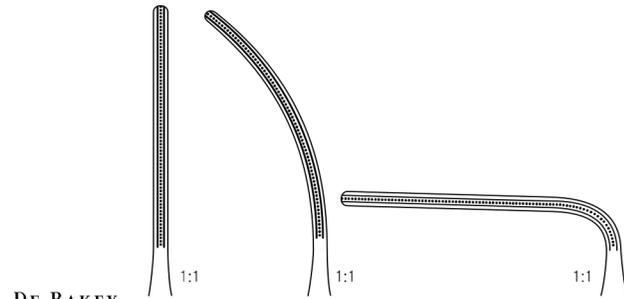
| CASTAÑEDA       |                    |                    |                    |
|-----------------|--------------------|--------------------|--------------------|
| 110 mm - 4 1/4" |                    |                    | <b>tk 22001-03</b> |
| 130 mm - 5"     | <b>tk 22001-01</b> | <b>tk 22001-02</b> |                    |



|                 |                    |                    |                    |                    |
|-----------------|--------------------|--------------------|--------------------|--------------------|
| 120 mm - 4 3/4" | <b>tk 22001-04</b> | <b>tk 22001-05</b> | <b>tk 22001-06</b> |                    |
| 150 mm - 6"     |                    |                    |                    | <b>tk 22001-07</b> |

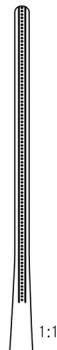
Gefäßklemmen | Pincés vasculaires  
Vascular forceps | Pinzas vasculares  
Pinze vascolari

**ATRAUMTK**



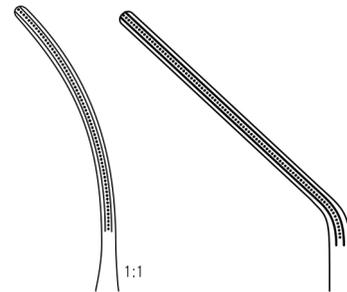
| DE BAKEY           |                    |                    |
|--------------------|--------------------|--------------------|
| 120 mm - 4 3/4"    | 110 mm - 4 1/4"    | 100 mm - 4"        |
| <b>tk 22028-12</b> | <b>tk 22029-11</b> | <b>tk 22032-13</b> |

gerade  
straight  
droite  
recta  
retta



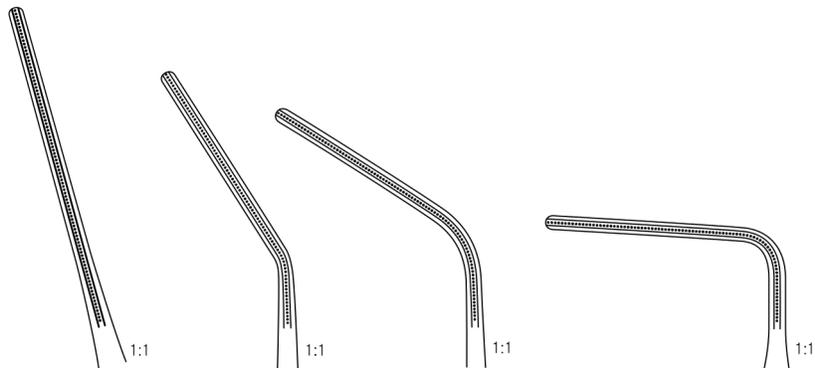
| DE BAKEY           |  |
|--------------------|--|
| 170 mm - 6 3/4"    |  |
| <b>tk 22037-01</b> |  |

gerade  
straight  
droite  
recta  
retta



| DE BAKEY           |                    |  |
|--------------------|--------------------|--|
| 120 mm - 4 3/4"    | 130 mm - 5"        |  |
| <b>tk 22035-12</b> | <b>tk 22041-13</b> |  |

abgewinkelt  
angled on flat  
coudée sur le plat  
anuladoo  
angolata



| DE BAKEY           |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| 170 mm - 6 3/4"    | 160 mm - 6 1/4"    | 150 mm - 6"        | 140 mm - 5 1/2"    |
| <b>tk 22043-17</b> | <b>tk 22039-16</b> | <b>tk 22041-15</b> | <b>tk 22042-15</b> |

kniegebogen  
angled on flat  
coudée sur le plat  
acodada  
angolata