

## **Standard Instrument Sets for Hand Surgery by Buck-Gramcko**

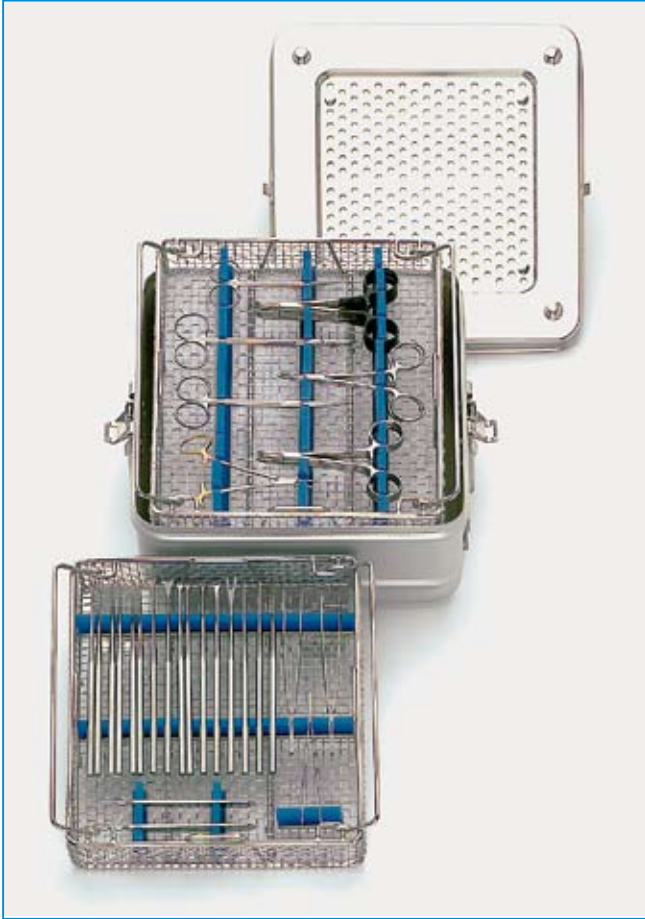
**Instruments**

Presented by:



# **LINK<sup>®</sup> STANDARD INSTRUMENT SETS FOR HAND SURGERY BY BUCK-GRAMCKO**

<b>2 - 7</b>	<b>Tissue Dissection Instrument Set</b>
<b>8 - 17</b>	<b>Bone Surgery Instrument Set</b>
<b>18 - 21</b>	<b>Tendon Surgery Instrument Set</b>
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<b>28 - 30</b>	<b>Skin Grafting Instrument Set</b>
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**10-5001/01**

**Tissue Dissection Instrument Set for Hand Surgery in H21 Container**

consisting of:

<b>05-1002/03</b>	<b>H21 Semi Container, only</b> 275 x 275 x 130 mm	1 ea.
<b>10-5001/02</b>	<b>Wire-Mesh Tray, only</b>	1 ea.
<b>10-5001/03</b>	<b>Storage Template for 10-5001/02</b>	1 ea.
<b>10-5001/04</b>	<b>Wire-Mesh Tray, only</b>	1 ea.
<b>10-5001/05</b>	<b>Storage Template for 10-5001/04</b>	1 ea.

**Instruments:**

<b>10-5007</b>	<b>Blade Handles</b>	2 ea.
<b>10-5008</b>	<b>Tissue Forceps</b>	2 ea.
<b>10-5010</b>	<b>Dressing Forceps</b>	1 ea.
<b>10-5012</b>	<b>Dissecting Scissors</b>	1 ea.
<b>10-5014</b>	<b>Dissecting Scissors</b>	1 ea.
<b>10-5015</b>	<b>Suture Scissors</b>	1 ea.
<b>10-5016</b>	<b>Square Handle Hook, 2-prong, large, 6 mm</b>	2 ea.
<b>10-5018</b>	<b>Square Handle Hook, 2-prong, small, 3 mm</b>	2 ea.
<b>10-5020</b>	<b>Gillies Retractor, single prong, 3.8 mm</b>	2 ea.
<b>10-5022</b>	<b>Square Handle Blade Retractor</b>	1 ea.
<b>10-5024</b>	<b>Square Handle Blade Retractor</b>	1 ea.
<b>10-5026</b>	<b>Moberg Retractor, 5 x 17 mm</b>	2 ea.

**Instruments:**

<b>10-5028</b>	<b>Retractor, 6 x 25 mm</b>	1 ea.
<b>10-5030</b>	<b>Retractor, 2-prong, blunt, 7.5 x 15 mm</b>	1 ea.
<b>10-5032</b>	<b>Retractor, 2-prong, blunt, 9 x 15 mm</b>	1 ea.
<b>10-5034</b>	<b>Square Handle Hook, medium, 7 mm</b>	1 ea.
<b>10-5036</b>	<b>Square Handle Hook, large, 9 mm</b>	1 ea.
<b>10-5038</b>	<b>Gillies Hook, 3.8 mm</b>	1 ea.
<b>10-5040</b>	<b>Hemostatic and Suture Holding Forceps</b>	6 ea.
<b>10-5042</b>	<b>Halsted Mosquito Forceps, 1.4 mm wide tips</b>	2 ea.
<b>10-5044</b>	<b>Halsted Mosquito Forceps, 1.8 mm wide tips</b>	4 ea.
<b>10-5046</b>	<b>Halsey Needle Holder</b>	1 ea.

## ■ Tissue Dissection Instrument Set

### 05-1002/03

#### H21 Semi Container

275 x 275 x 130 mm, with 10 plastic seals  
(10<sup>3</sup>/<sub>4</sub>" x 10<sup>3</sup>/<sub>4</sub>" x 5")

- long lasting fabric filter in base and lid.
- Fully autoclavable, in accordance with DIN 58946, section 1
- quick-change filter clips
- disposable plastic seals, autoclavable
- insulated handles

### 05-3006

**Paper** for H21 Container,  
195 x 195 mm. (Not illustrated)



### 10-5001/02

#### Wire-Mesh Tray

240 x 258 x 50 mm, (9<sup>1</sup>/<sub>2</sub>" x 10<sup>1</sup>/<sub>8</sub>" x 2") made of stainless steel mesh with handles and holding rack. (Without instruments)



### 10-5001/03

**Storage Template** for 10-5001/02  
(Not illustrated)

### 10-5001/04

#### Wire-Mesh Tray

240 x 258 x 50 mm, (9<sup>1</sup>/<sub>2</sub>" x 10<sup>1</sup>/<sub>8</sub>" x 2") made of stainless steel mesh with handles and holding rack. (Without instruments)

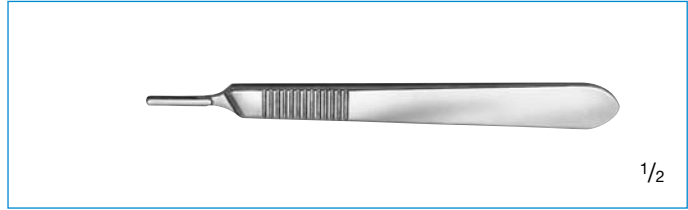


### 10-5001/05

**Storage Template** for 10-5001/04  
(Not illustrated)

**10-5007**

**Blade Handle**  
125 mm (5").



**10-5008**

**Tissue Forceps,**  
1 x 2 teeth, 1.0 mm wide jaws, 145 mm (5<sup>3</sup>/<sub>4</sub>").

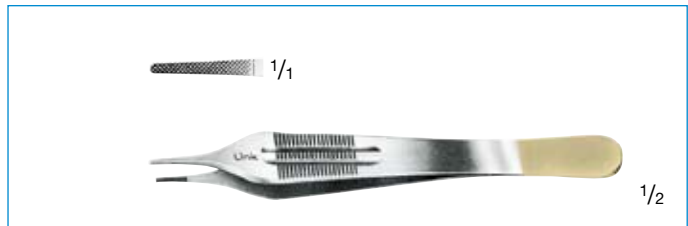
For holding tissue being dissected, as well as for grasping the wound edge during suturing.



**10-5010**

**Dressing Forceps,**  
fine jaws with hard carbide inserts, 125 mm (5").

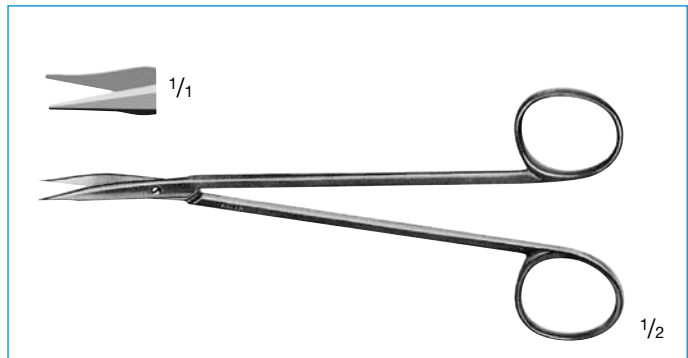
Permits atraumatic handling of tissue during dissection. Small tissue fragments may be grasped and held securely.



**10-5012**

**Dissecting Scissors,**  
curved, narrow blunt tips, extra delicate, 155 mm (6<sup>1</sup>/<sub>4</sub>").

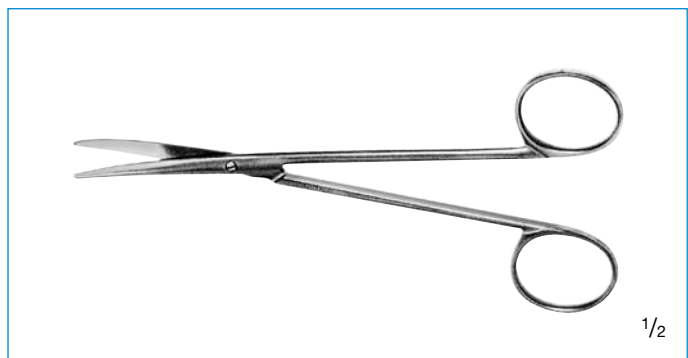
These Scissors are designed to dissect tissue by spreading it with the tips of the blades. Small back and forth movements of the blades will gently separate tissue without cutting. The Scissors slender blades are perfectly rounded and lightly curved for maximum visualization of the operative field.



**10-5014**

**Dissecting Scissors,**  
curved, flat blunt tips, 145 mm (5<sup>3</sup>/<sub>4</sub>").

Though these Scissors have basically the same features as 10-5012, the blades are somewhat wider making it best suited for coarse tissue areas and for mobilizing and cutting skin flaps.



## ■ Tissue Dissection Instrument Set

10-5015

### Suture Scissors,

curved, delicate pointed tips, 110 mm (4 1/2").

Short and delicate Scissors with precisely shaped sharp points for undermining skin and cutting finest sutures.



10-5016

### Square Handle Hook,

2-prong, sharp, large, 6 mm curve, 175 mm (7").



10-5018

### Square Handle Hook,

2-prong, sharp, small, 3 mm curve, 175 mm (7").



Sharp, double-prong Skin Hooks may be used for temporarily retracting skin flaps that cannot be separated with traction sutures.

10-5020

### Gillies Retractor,

single, sharp, 3.8 mm curve, 175 mm (7").



Sharp, single-prong Skin Hooks are perfect for holding small skin flaps and are especially useful when preparing a Z-plasty.

10-5022

### Square Handle Blade Retractor,

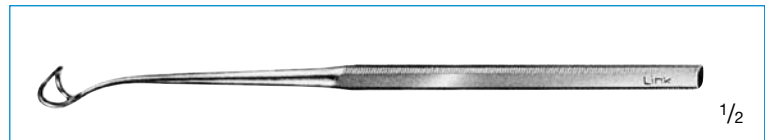
solid 12 x 12 mm blade, square handled, retrograde curved, 175 mm (7").



10-5024

### Square Handle Blade Retractor,

fenestrated 12 x 12 mm blade, square handled, retrograde curved, 175 mm (7").



These Retractors feature a retrograde bend for better accommodation of the wound margin and permit deeper viewing of the operating area.

**10-5026**

**Moberg Retractor**, small,  
5 x 17 mm blade, 175 mm (7")



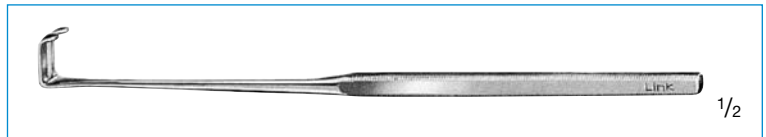
**10-5028**

**Buck-Gramcko-Retractor**, large,  
6 x 25 mm blade, 175 mm (7").



**10-5030**

**Retractor**, 2-prong, blunt,  
7.5 mm wide x 15 mm deep, 175 mm (7").



**10-5032**

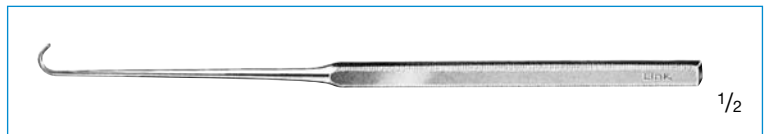
**Retractor**, 2-prong, blunt,  
9 mm wide x 15 mm deep, serrated, 175 mm (7")



Blade Retractors are supplied in several different sizes for deep or shallow wound retraction. Their thin blades and shanks afford the surgeon maximum visualization of the operative area.

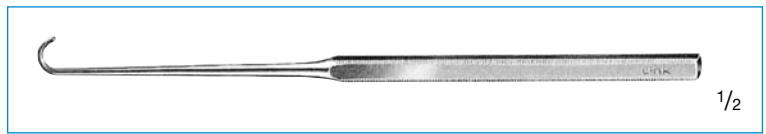
**10-5034**

**Square Handle Hook**,  
single, blunt, medium, 7 mm curve, 175 mm (7").



**10-5036**

**Square Handle Hook**,  
single, blunt, large, 9 mm curve, 175 mm (7").



**10-5038**

**Gillies Hook**, single, blunt, delicate,  
3.8 mm curve, 175 mm (7").



Blunt Hooks in various sizes are designed to retract or lift longitudinal structures such as tendons, nerves or vessels within the operative area. The smallest Hook is ideal for digital nerves and vessels.

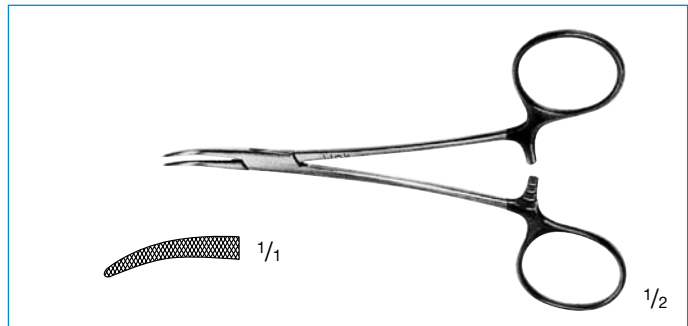


## Tissue Dissection Instrument Set

### 10-5040

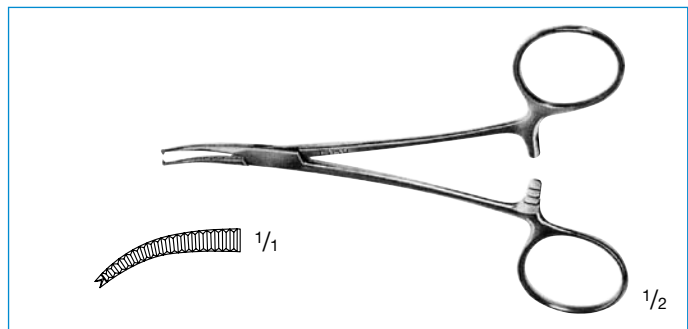
**Hemostatic and Suture Holding Forceps**, fine criss-cross serrated jaws to prevent slippage, 120 mm (4<sup>3</sup>/<sub>4</sub>" ). Rings are black-plated for quick identification.

These blunt Forceps are recommended for holding and clamping traction sutures. Fine criss-cross serrated jaw surfaces are specifically made to hold firmly without cutting the suture material. They may also be used for hemostasis.



### 10-5042

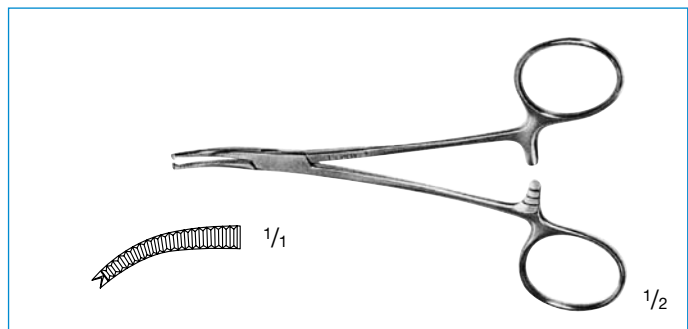
**Halsted Mosquito Forceps**, delicate, curved, 1 x 2 teeth and cross serrations. 1.4 mm wide tips, 120 mm (4<sup>3</sup>/<sub>4</sub>" ).



### 10-5044

**Halsted Mosquito Forceps**, standard, curved, 1 x 2 teeth and cross serrations. 1.8 mm wide tips, 120 mm (4<sup>3</sup>/<sub>4</sub>" ).

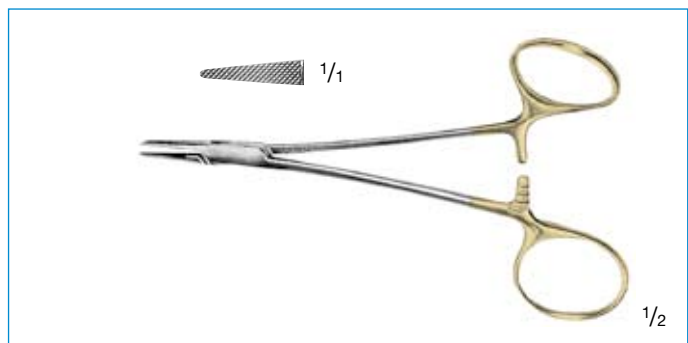
Tissue structures or tendon stumps can be grasped securely with 1 x 2 mouse teeth and horizontal serrations on the inner jaw surfaces.

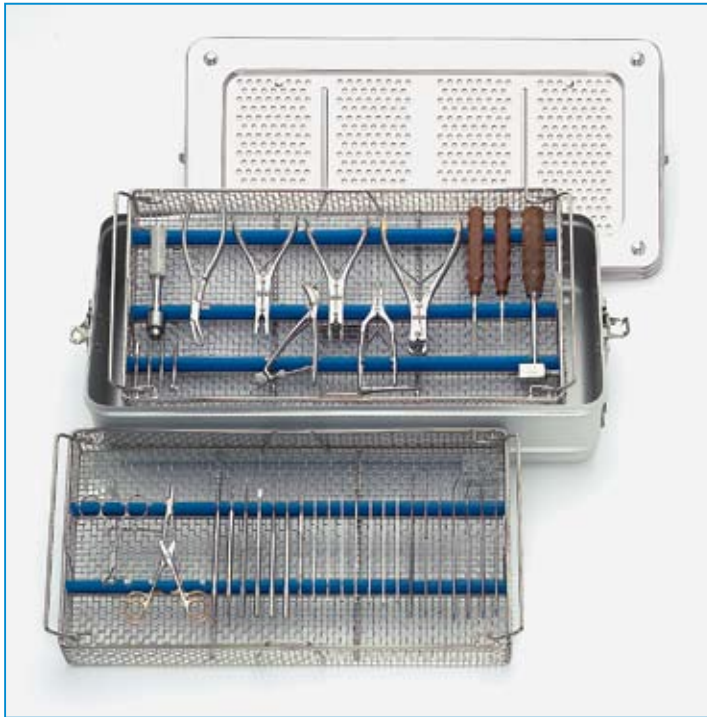


### 10-5046

**Halsey Needle Holder**, extra delicate, with hard carbide inserts for positive grip. Angled thumb ring, gold finish handle, 125 mm (5" ).

A light, delicate needle holder having small jaws with hard carbide inserts. Shanks are slender and flexible for grasping and releasing suture needles gently. The thumb ring is angled 35° for more comfortable positioning in the surgeon's hand.





**10-5101/01**

**Basic Instrument Set  
Surgery of the Hand in N21 Container**

consisting of:

- 05-2002/03 N21 Standard Container**, only 575 x 275 x 130 mm 1 ea.
- 10-5102/02 Wire-Mesh Tray**, only 1 ea.
- 10-5102/03 Storage Template** for **10-5102/02** 1 ea.
- 10-5102/04 Wire-Mesh Tray**, only 1 ea.
- 10-5102/05 Storage Template** for **10-5102/04** 1 ea.

**Instruments:**

- 10-5106 Hohmann-style Elevator**, small 2 ea.
- 10-5108 Hohmann-style Elevator**, medium 1 ea.
- 10-5110 Periosteal Elevator**, light curve 1 ea.
- 10-5112 Periosteal Elevator**, contra-angled curve 1 ea.
- 10-5114 Periosteal Raspatory**, short curve 1 ea.
- 10-5116 Periosteal Raspatory**, contra-angled curve 1 ea.
- 10-5118 Mallet** 1 ea.
- 10-5120 Osteotome** 1 ea.
- 10-5122 Lambotte Osteotomes Set (7)** 1 Set
- 10-5123 Wire Cutter** 1 ea.
- 10-5124 Boehler Bone Nibbling Rongeur**, light curve 1 ea.
- 10-5126 Bone-Cutting Rongeur** 1 ea.
- 10-5127 Wire Twisting Forceps** 1 ea.
- 10-5128 Bone Fragment Clamp** 1 ea.

**Instruments:**

- 10-5130 Mini-Ulrich Bone Clamp**, self-retaining 1 ea.
- 10-5131 Bone Holding Clamp**, curved 1 ea.
- 10-1576/02 Light Langenbeck Bone Clamp** 1 ea.
- 10-5132 Reill Wire Cutter** 1 ea.
- 10-5133 Wire Bender** 1 ea.
- 10-5134 Bone Awl** 1 ea.
- 10-5135 Bone Rasp** 1 ea.
- 10-5136 Hand Drill** 1 ea.
- 10-5138 Round Cutting Drill Bit**, round (Set of 4) 1 Set
- 10-5140 Bone Tamper** 1 ea.
- 10-1350/01 Square Handle Hook**, 7 mm reach 1 ea.
- 10-1350/07 Square Handle Hook**, 9 mm reach 1 ea.
- 10-5142 Bone Packer-Dissector** 1 ea.
- 10-5144 Bone Curette** 1 ea.

# ■ Bone Surgery Instrument Set

## 05-2002/03

### N21 Stanard Container

575 x 275 x 130 mm, with 10 plastic seals  
(22<sup>1</sup>/<sub>2</sub>" x 10<sup>3</sup>/<sub>4</sub>" x 5")

- long lasting fabric filter in base and lid.
- Fully autoclavable, in accordance with DIN 58946, section 1
- quick-change filter clips
- disposable plastic seals, autoclavable
- insulated handles



## 05-3007

**Paper Filter** for Stackable Container,  
500 x 220 mm. (Not illustrated)

## 10-5102/02

### Wire-Mesh Tray,

480 x 258 x 50 mm, made of stainless steel mesh  
with handles and holding rack for straight and ring  
handled instruments (Without instruments).



## 10-5102/03

**Storage Template** for 10-5102/02  
(Not illustrated)

## 10-5102/04

### Wire-Mesh Tray,

480 x 258 x 50 mm, made of stainless steel mesh  
with handles and storage rack for additional instruments.  
(Without instruments)



## 10-5102/05

**Storage Template** for 10-5102/04  
(Not illustrated)

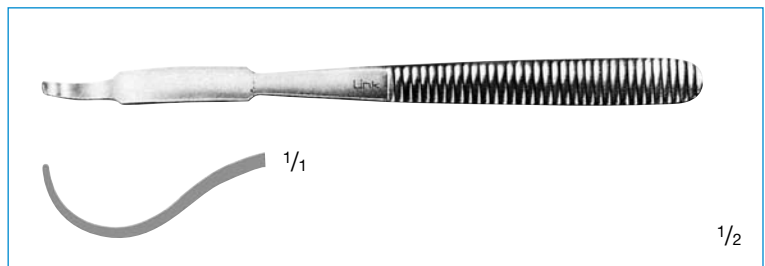
**10-5106**

**Hohmann-style Elevator, small,**  
6 mm wide, 175 mm (7").



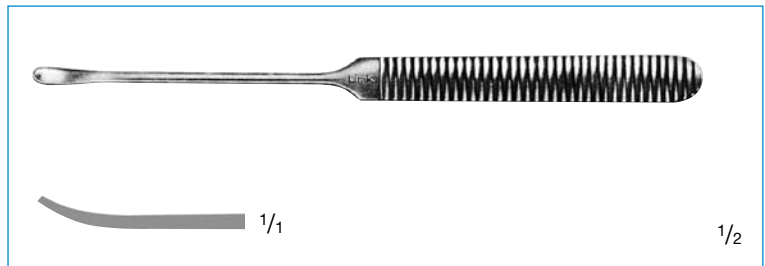
**10-5108**

**Hohmann-style Elevator, medium,**  
10 mm wide, 175 mm (7").



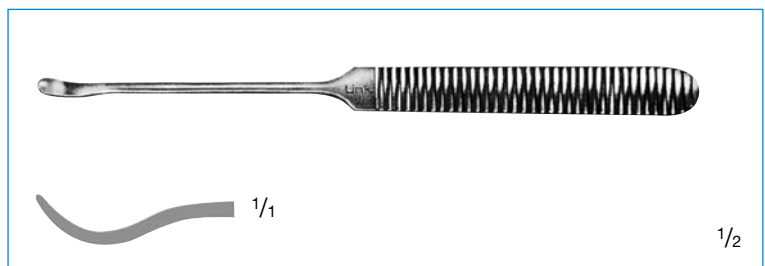
**10-5110**

**Periosteal Elevator, light curve,**  
rounded end, 5 mm wide, 175 mm (7").



**10-5112**

**Periosteal Elevator, contra-angled curve,**  
4.5 mm wide, 175 mm (7").

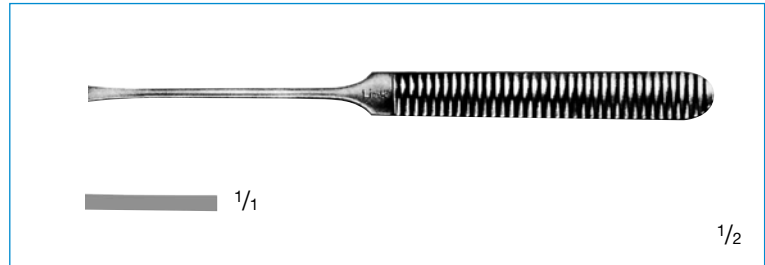


Elevators with flat ribbed handle of various shapes and sizes make it possible to lift parts of the skeletal structure while protecting surrounding tissue. Thin, anatomically-shaped blades are perfectly smooth, minimizing trauma to adjacent nerves, vessels or tendons.

## ■ Bone Surgery Instrument Set

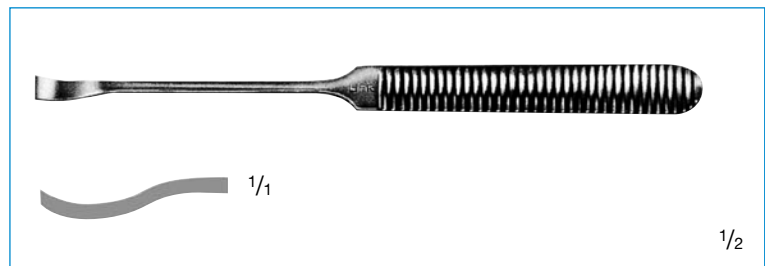
10-5114

**Periosteal Raspatory**, short curve,  
6 mm wide blade, 175 mm (7").



10-5116

**Periosteal Raspatory**, contra-angled curve,  
6 mm wide blade, 175 mm (7").



These delicate, narrow Raspatories with flat ribbed handle are especially designed for carefully separating soft tissue structures from small hand bones, a prerequisite for successful bone intervention.

10-5118

**Mallet**,  
with squared and rounded head,  
7 mm dia. round and 18 x 18 mm square  
contact surface. 205 mm (8").

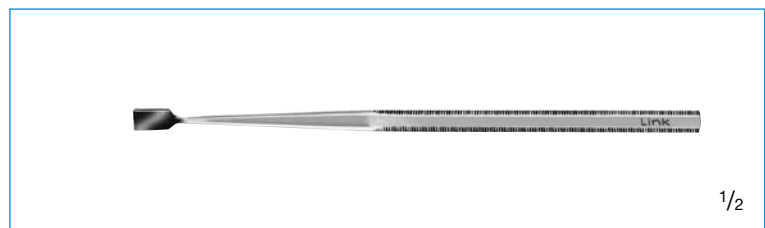


This appropriately weighted Mallet with comfortable plastic handle features a small and large contact surface for use with narrow or wide osteotomes.

10-5120

**Osteotome**,  
5 mm wide, 150 mm (6").

An Osteotome particularly useful for smoothing osteotomy surfaces without the use of a mallet.



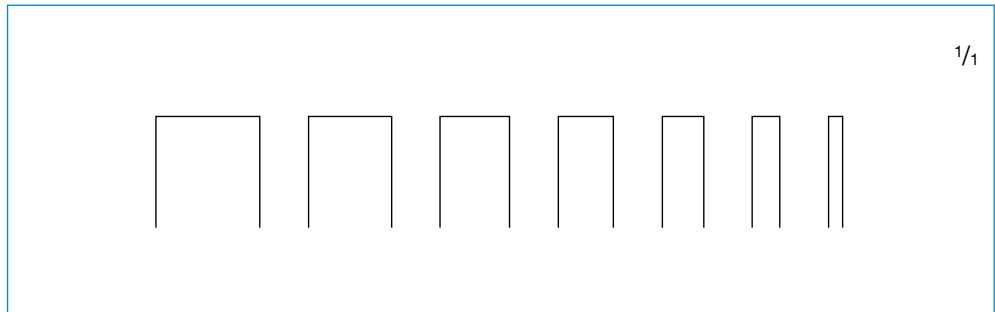
**10-5122**

**Lambotte Osteotomes,**  
(Set of 7) 125 mm (5")



consisting of:

Item-No.	Width mm
10-5122/02	2
10-5122/04	4
10-5122/06	6
10-5122/08	8
10-5122/10	10
10-5122/12	12
10-5122/15	15



A selection of sharp Osteotomes of various widths is necessary to avoid injuring surrounding soft tissue when performing osteotomies of the finger and other bone structures of the hand.

**10-5123**

**Wire Cutter,**  
hard metal blades, straight cut, gold ring handles, 110 mm (4 1/4").

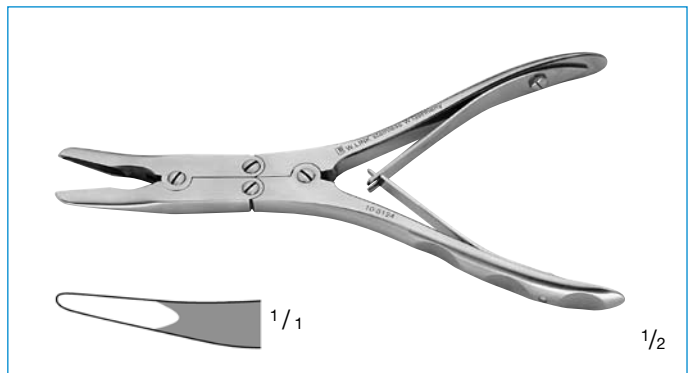
Used primarily for the cutting and shortening of wires with intra-ossal wire sutures, as in cases of fractures or arthrodeses.



**10-5124**

**Boehler Bone-Nibbling Rongeur,**  
light curve, 2 x 5 mm jaws, 155 mm (6").

Careful bone resection without splintering is possible with this delicate rongeur. Its narrow, precisely approximated jaws are angled for maximum visibility during use. Doubled action assures increased strength at the tips.

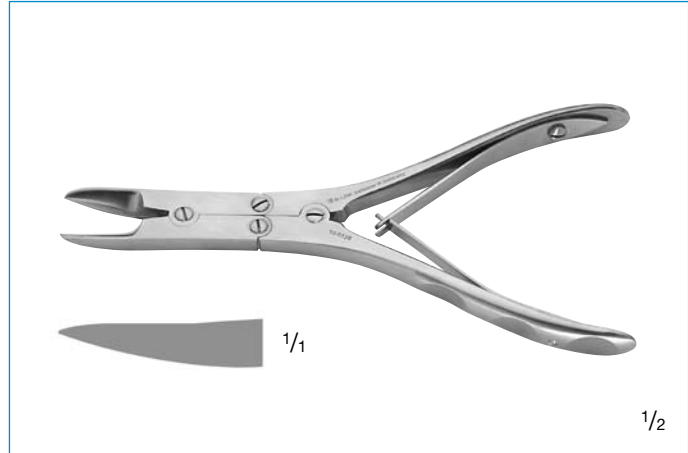


## ■ Bone Surgery Instrument Set

10-5126

**Boehler Bone-Cutting Rongeur,**  
lightly angled jaws, 22 mm cutting edge,  
150 mm (6").

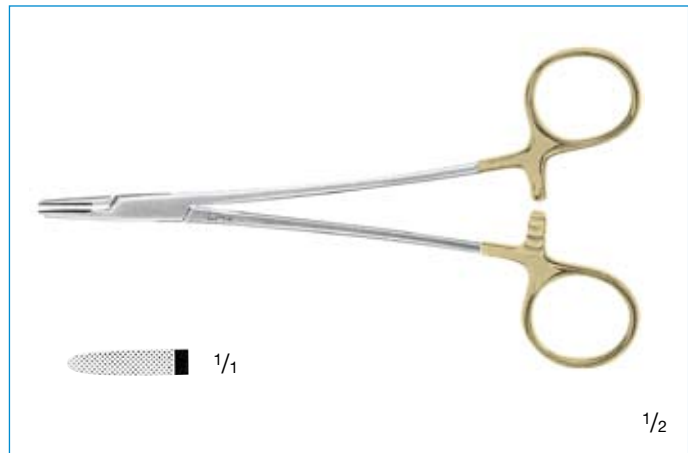
The delicate blades of this Bone Cutting Rongeur are specially shaped for shortening phalanges. Double action and perfect blade approximation combine to make it a precise bone cutting instrument.



10-5127

**Wire Twisting Forceps,**  
with carbide inserts, gold plated rings, 160 mm  
(6<sup>1</sup>/<sub>4</sub>").

Used for grasping and wrapping soft bone wires  
in the case of small bone osteosyntheses.



10-5128

**Bone Fragment Clamp,**  
guarded tips, sliding ring locks, 115 mm (4<sup>1</sup>/<sub>2</sub>").

A screw-type lock makes adjustments quick and  
easy.

Guarded tips prevent splintering of the osseous  
lamella while providing positive fixation. Sliding  
ring-lock allows precise setting and release with the  
touch of a finger.



**10-5130**

**Mini-Ulrich Bone Clamp,**  
self-retaining, 2.5 mm wide jaws, 130 mm (5").

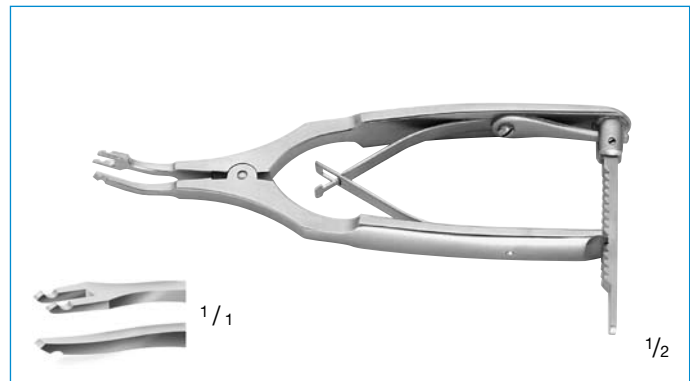
Larger bone fragments in the area of the hand are held together with this Clamp. It is especially designed for the small circumference of phalanges, with delicate, securely-gripping jaws. The self-retaining mechanism is completely adjustable to the smallest increments.



**10-5131**

**Bone Holding Clamp,**  
with locking device, curved, 140 mm (5 1/2").

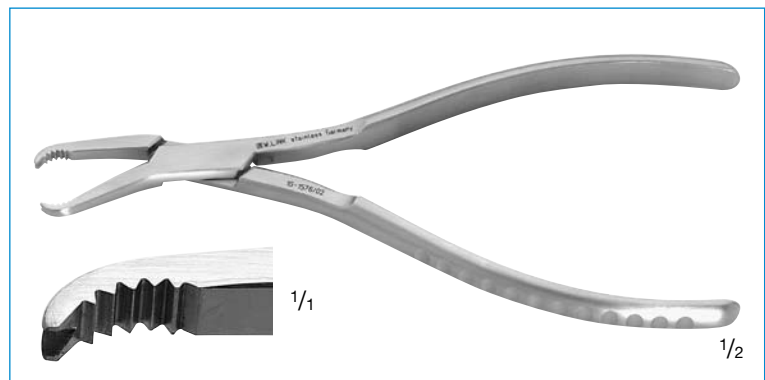
These Bone Holding Clamps are designed to brace both ends of a separated bone.



**10-1576/02**

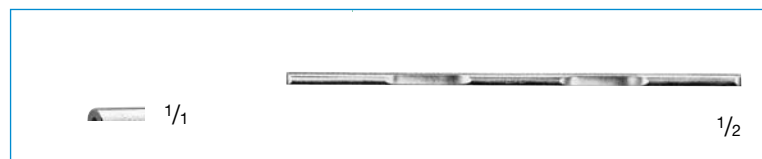
**Light Langenbeck Bone Clamp,**  
curved, light and delicate 2 x 2 jaws,  
3 mm wide, serrated, 185 mm (7 1/4").

Small, deeply situated fragments can be securely grasped, and if necessary, repositioned with this fine, curved Bone Grasping Clamp.



**10-5133**

**Buck-Gramcko Wire Bender,**  
lumen diameters: 1 mm and 1.6 mm, 120 mm (4 3/4").



Kirschner wires are inserted in either end of this cannulated device. Tapered ends around the hole openings enable bending and cutting of the K-wires very close to the skin surface. Trauma to adjoining fingers by K-wires is thus minimized.



## ■ Bone Surgery Instrument Set

### 10-5132

**Reill Wire Cutter,**  
carbide jaws, for hard wires to 1.6 mm  
diameter, 180 mm (7").

Constructed for maximum accessi-  
bility to the field without sacrificing  
cutting capability. Carbide jaw inserts  
and double action design combine to  
enable relative ease of cutting.



### 10-5134

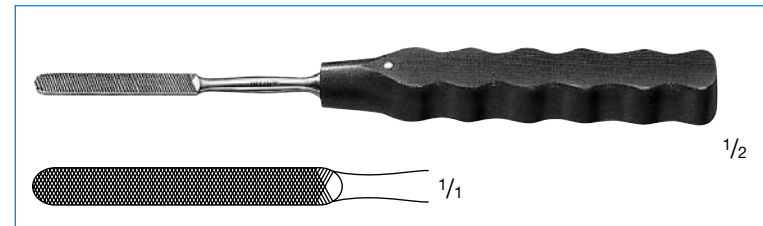
**Bone Awl,**  
straight, 4-sided, max. width 3.5 mm,  
autoclaveable handle, 165 mm (6 1/2").



Hard cortical material in the area of the hand is easily penetrated with this awl. It is particularly useful on preparation for drilling and inserting K-wires, as well as for penetration into the medullary space.

### 10-5135

**Bone Rasp,**  
criss-cross serrations, bi-directional cutting,  
lightweight, 6.5 mm wide, autoclaveable  
handle, 180 mm (7").

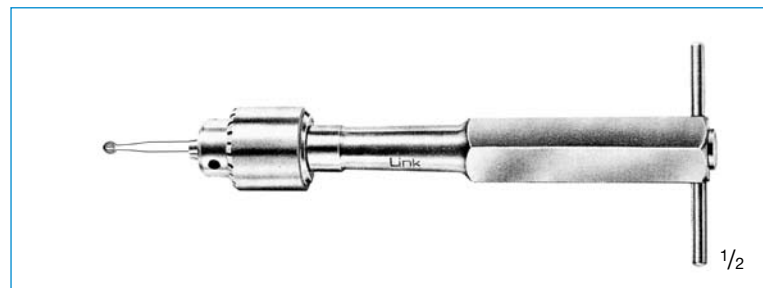


Small hand bones in narrow surroundings can be successfully approached with this thin bladed Rasp. Finely cut sharp teeth permit carefully controlled rasping without tearing. The plastic handle is shaped to be held securely and comfortably.

### 10-5136

**Hand Drill,**  
with cannulated Jacobs Chuck and key,  
140 mm (5 1/2").

This stainless steel Hand Drill features a  
small Jacobs Chuck with rounded jaws  
to minimize tissue damage. Key snaps  
conveniently into receptacle of the hollow  
handle.

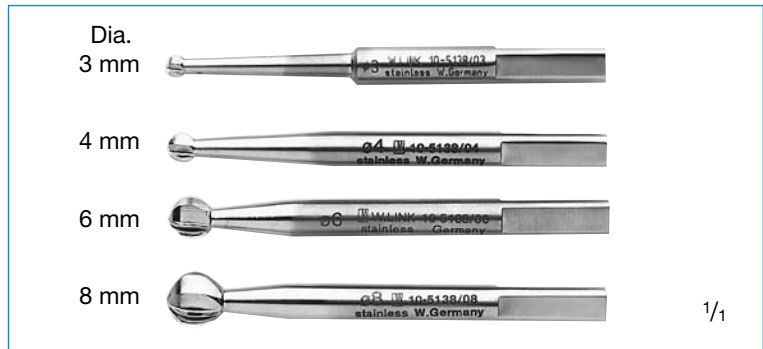


**10-5138**

**Round Cutting Drill Bit**, round, (Set of 4).  
For use with Hand Drill.

consisting of:

Item.-No.	Dia. mm
10-5138/03	3
10-5138/04	4
10-5138/06	6
10-5138/08	8

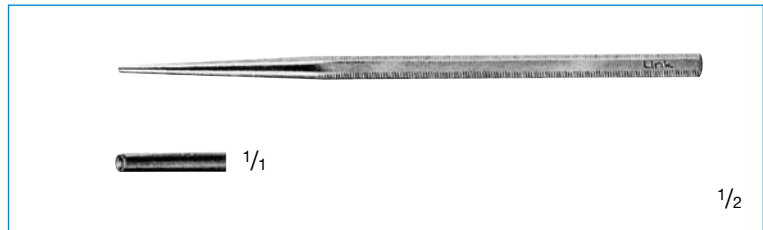


Round headed Cutting Burrs are used to prepare bones for countersinking screw heads, as in finger joint arthrodesis, protrusion of screw heads is thus minimized.

**10-5140**

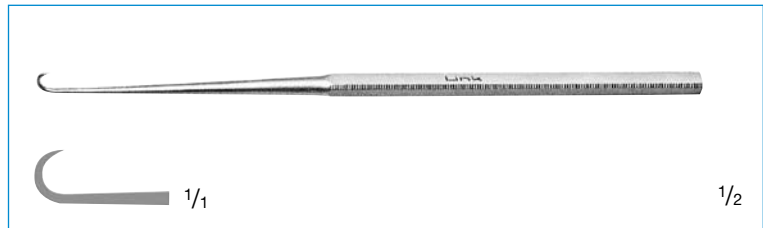
**Bone Tamper**,  
with concave Tip, delicate, 2 mm wide tip,  
155 mm (6").

The narrow taper of this instrument permits access to all areas of the hand, while its concave tip prevents slippage.



**10-1350/01**

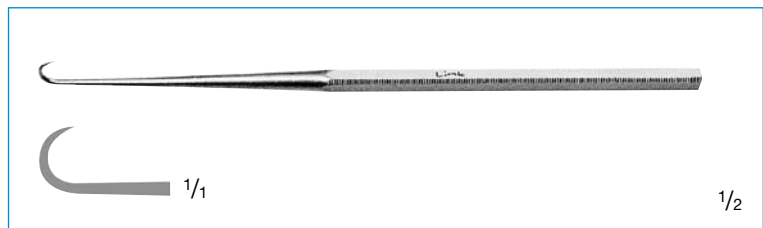
**Square Handle Hook**,  
sharp, 1-prong, 7 mm reach, 175 mm (7").



**10-1350/07**

**Square Handle Hook**,  
sharp, 1-prong, 9 mm reach, 175 mm (7").

Frequently used during small bone surgery and osteosyntheses of the hand and finger bones, these Hooks can be used as small or medium bone prongs.

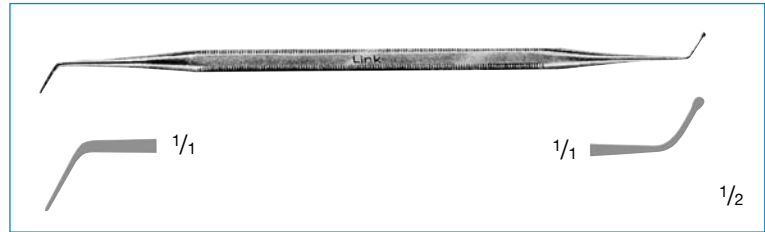


## ■ Bone Surgery Instrument Set

### 10-5142

**Bone Packer-Dissector,**  
angled, double-ended, 175 mm (7").

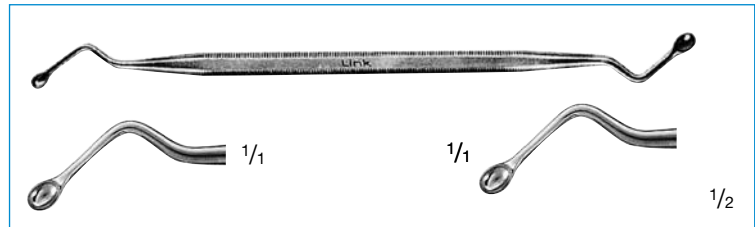
This instrument is designed to simplify such procedures as filling the scaphoid bone with spongiosa and modeling bone cement.



### 10-5144

**Double Ended Bone Curette,**  
contra-angled shaft, dual cups  
(3.5 and 4.5 mm), 175 mm (7").

Different size cups permit cleaning of bone fragments or curetting of scaphoid bone in degenerative arthritis.





**10-5201/01**

**Additional Set for Tendon Surgery of the Hand in N11 Container**

consisting of:

- 05-2001/03**     **N11 Standard Container**, only 575 x 275 x 100 mm     1 ea.
- 10-5201/02**     **Tray,**     1 ea.
- 10-5201/03**     **Storage Template** for **10-5201/02**     1 ea.

**Instruments:**

- 10-5204**     **Tendon Stripper**, short     1 ea.  
5 x 285 mm
- 10-5206**     **Tendon Stripper**, long     1 ea.  
5 x 500 mm
- 10-5208**     **Tendon Stripper**, short     1 ea.  
3 x 285 mm
- 10-5210**     **Tendon Retriever**, straight     1 ea.
- 10-5212**     **Tendon Retriever**, curved     1 ea.

**Instruments:**

- 10-5214**     **Tendon Passing Probe**     1 ea.
- 10-5216**     **Tendon Retriever**     1 ea.
- 10-5218**     **Tendon Braiding Forceps**, straight     1 ea.
- 10-5220**     **Tendon Braiding Forceps**, curved     1 ea.
- 10-5222**     **Tendon Fixation Needles**     2 ea.
- 10-5407**     **Sterilizing Box**     1 ea.

## ■ Tendon Surgery Instrument Set

### 05-2001/03

#### **N11 Standard Container**

575 x 275 x 100 mm, with 10 plastic seals  
(22<sup>1</sup>/<sub>2</sub>" x 10<sup>3</sup>/<sub>4</sub>" x 4")

- long lasting fabric filter in base and lid.
- Fully autoclavable, in accordance with DIN 58946, section 1
- quick-change filter clips
- disposable plastic seals, autoclavable
- insulated handles



### 05-3007

**Paper Filter** for Stackable Container,  
500 x 220 mm. (Not illustrated)

### 10-5201/02

#### **Tray**

550 x 265 x 50 mm, (21<sup>1</sup>/<sub>2</sub>" x 10" x 2")  
made of stainless steel, with instrument rack.  
(Without instruments)

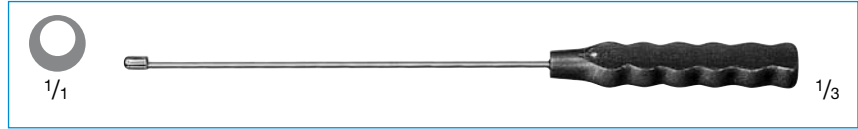


### 10-5201/03

**Storage Template** for 10-5201/02  
(Not illustrated)

**10-5204**

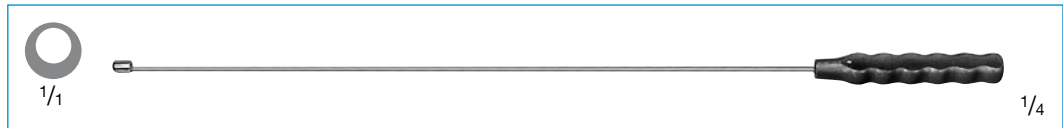
**Tendon Stripper,**  
5 mm diameter, 285 mm (11<sup>1</sup>/<sub>4</sub>").



For the simple removal of short tendons, such as from the M. palmaris longus. The cutting head is shaped to reduce damage to transplants.

**10-5206**

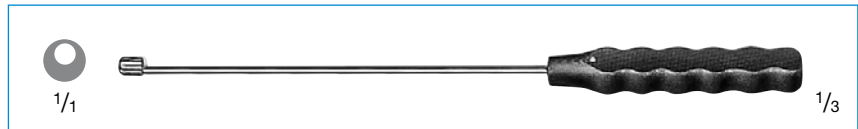
**Tendon Stripper,**  
5 mm diameter,  
500 mm (19<sup>3</sup>/<sub>4</sub>"



A substantially longer shaft facilitates removal of long palmaris or plantaris tendons.

**10-5208**

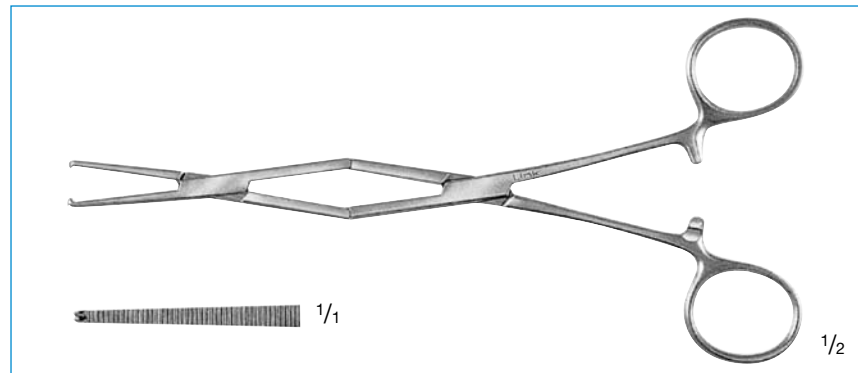
**Tendon Stripper,**  
3 mm diameter, 285 mm (11<sup>1</sup>/<sub>4</sub>").



The relatively small diameter cutting head of this instrument makes it suitable for removal of children's tendons.

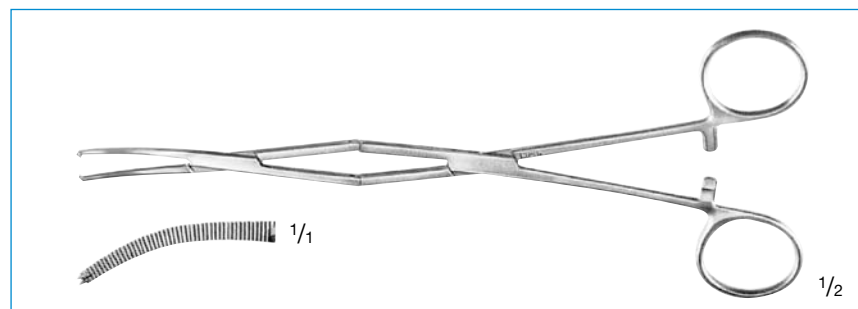
**10-5210**

**Tendon Retriever,**  
straight, 2 x 3 teeth, serrated jaws,  
double action, 205 mm (8").



**10-5212**

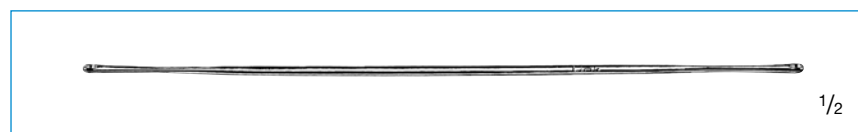
**Tendon Retriever,**  
curved, 2 x 3 teeth, serrated jaws,  
double action, 205 mm (8").



Opening of the carpal tunnel can often be prevented by using a Tendon Retriever. The double action construction of this instrument is of particular importance. In its closed position, this thin instrument with rounded tips is easily passed through a narrow tunnel. The shanks spread minimally while opening the jaws to engage the tendon.

**10-5214**

**Tendon Passing Probe,**  
with eye and groove, malleable,  
2.8 mm diameter, 200 mm (8").



In very limited space, or where the canal curves strongly, the use of a Tendon Passing Probe instead of a tendon retrieving forceps may be indicated. A suture is put through the tendon stump, inserted through the eye of the probe and tied. The groove in the probe accommodates the suture and protects it while pulling the tendon through the canal.

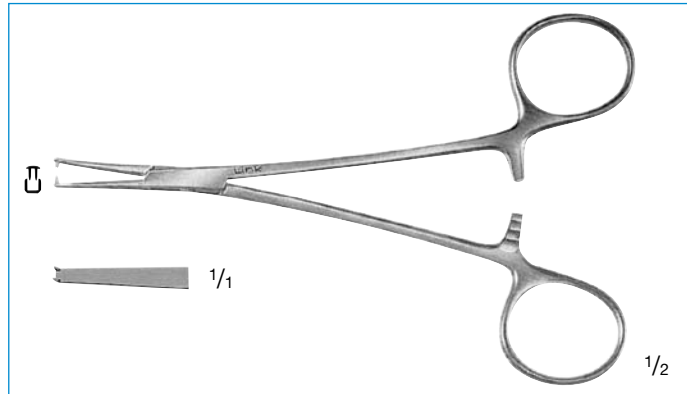
## ■ Tendon Surgery Instrument Set

10-5216

### Tendon Retriever,

with fine 2 x 2 pins, 3 mm wide jaws, 150 mm (6").

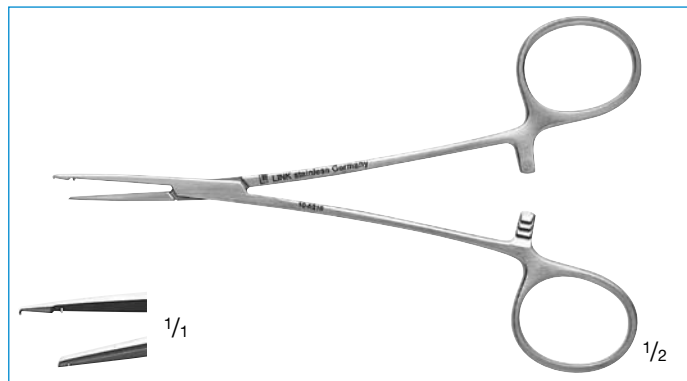
For the simple removal of short tendons, such as from the M. palmaris longus. The cutting head is shaped to reduce damage to transplants.



10-5218

### Tendon Braiding Forceps,

straight, delicate sharp point, 150 mm (6").

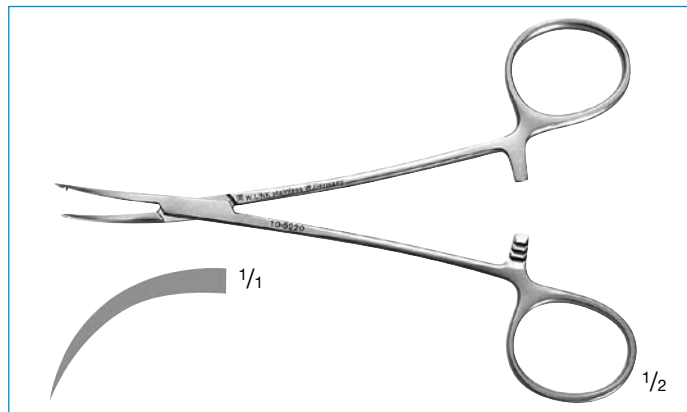


10-5220

### Tendon Braiding Forceps,

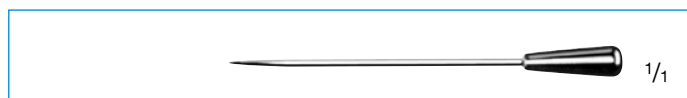
curved, delicate sharp point, 145 mm (6").

This instrument, either straight or curved, is of immeasurable help when braiding tendons. Its conically shaped fine point separates tendon strands without causing long splits. The jaws are constructed to grasp and hold a small tendon stump securely.



10-5222

**Tendon Fixation Needle, by Dietrich,** 45 mm (2").



A tendon may be temporarily immobilized with this needle thus restricting muscular action during the braiding process.

10-5407

### Sterilizing Box,

perforated, 70 x 48 x 8 mm (2<sup>3</sup>/<sub>4</sub>" x 2" x 1/4").

This small box will accommodate Tendon Fixation Needles. For storage and sterilization.





**10-5401/01**

**Basic Instrument Set,  
in H21 Container**

consisting of:

<b>05-1002/03</b>	<b>H21 Container, only</b> 275 x 275 x 130 mm	1 ea.
<b>10-5401/04</b>	<b>Upper Tray, only</b>	1 ea.
<b>10-5401/05</b>	<b>Storage Template for 10-5401/04</b>	1 ea.
<b>10-5401/06</b>	<b>Lower Tray, only</b>	1 ea.
<b>10-5401/07</b>	<b>Storage Template for 10-5401/06</b>	1 ea.

**Instruments:**

<b>10-5407</b>	<b>Sterilizing Box</b>	4 ea.
<b>10-5408</b>	<b>Micro Scissors, curved,</b> blade 7 mm	1 ea.
<b>10-5410</b>	<b>Micro Scissors, straight,</b> blade 14 mm	1 ea.
<b>10-5412</b>	<b>Micro Scissors, curved,</b> blade 14 mm	1 ea.
<b>10-5414</b>	<b>Micro Tissue Forceps, sharp tips</b>	1 ea.
<b>10-5416</b>	<b>Micro Tissue Forceps,</b> blunt tips	1 ea.
<b>10-5419</b>	<b>Micro Coagulating Forceps</b> angled, sharp tips	1 ea.
<b>10-5421</b>	<b>Micro Coagulating Forceps</b> curved, slightly blunt	1 ea.
<b>10-5422</b>	<b>Micro Needle Holder</b>	1 ea.
<b>10-5424</b>	<b>Counter Loop</b>	1 ea.

**Instruments:**

<b>10-5430</b>	<b>Micro Vessel Clip, 14 mm</b>	2 ea.
<b>10-5438</b>	<b>Vessel Approximator</b>	1 ea.
<b>10-5439</b>	<b>Key for 10-5438</b>	1 ea.
<b>10-5440</b>	<b>Micro Suture and Vessel Clip,</b> 13 mm	6 ea.
<b>10-5442</b>	<b>Micro Suture and Vessel Clip,</b> 14 mm	2 ea.
<b>10-5444</b>	<b>Micro Suture and Vessel Clip,</b> 16 mm	2 ea.
<b>10-5446</b>	<b>Micro Suture and Vessel Clip,</b> 18 mm	2 ea.
<b>10-5448</b>	<b>Clip Applying Forceps</b>	1 ea.
<b>10-5450</b>	<b>Irrigating Cannula</b>	1 ea.
<b>10-5452</b>	<b>Silicone Irrigator</b>	1 ea.



## ■ Micro - Surgery Instrument Set

### 05-1002/03

#### H21 Container

275 x 275 x 130 mm, with 10 plastic seals  
(10<sup>3</sup>/<sub>4</sub>" x 10<sup>3</sup>/<sub>4</sub>" x 4")

- long lasting fabric filter in base and lid.
- Fully autoclavable, in accordance with DIN 58946, section 1
- quick-change filter clips
- disposable plastic seals, autoclavable
- insulated handles



### 05-3006

**Long Lasting Fabric Filter** for H21 Container,  
195 x 195 mm. (Not illustrated)

### 10-5401/04

#### Upper Tray

240 x 258 x 50 mm, (9<sup>1</sup>/<sub>2</sub>" x 10" x 2") made of  
stainless steel mesh with handles and holding rack.  
(Without instruments)



### 10-5401/05

**Storage Template** for 10-5401/04  
(Not illustrated)

### 10-5401/06

#### Lower Tray

240 x 258 x 50 mm, (9<sup>1</sup>/<sub>2</sub>" x 10" x 2") made of  
stainless steel mesh with handles and holding rack.  
(Without instruments)



### 10-5401/07

**Storage Template** for 10-5401/06  
(Not illustrated)

**10-5408**

**Micro Scissors, curved, delicate** short blades 7 mm long, 145 mm (5,7).

Especially designed to prepare, open and cut small blood vessels.



**10-5410**

**Micro Scissors, straight, serrated** blades 14 mm long, 145 mm (5,7).

Serrated blades assure a smooth cut without danger of tearing.



**10-5412**

**Micro Scissors, curved,** blade 14 mm long, 145 mm (6").

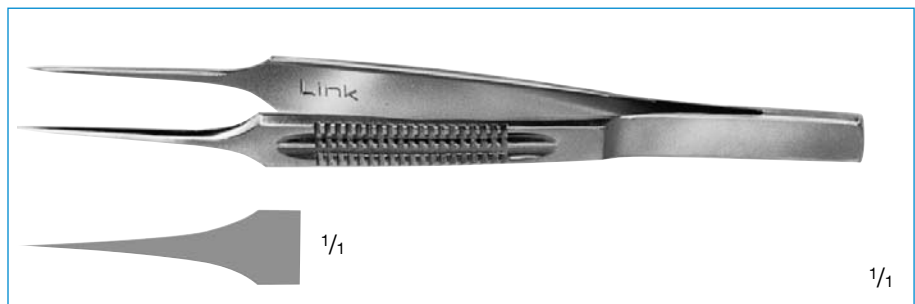
Especially designed to prepare the nerve roots and to loosen the fascicle of scar tissue.



**10-5414**

**Micro Tissue Forceps, sharp points, Asepto-Grip Handles,** 32 mm offset mouth, sharp tips, 110 mm (4 1/4").

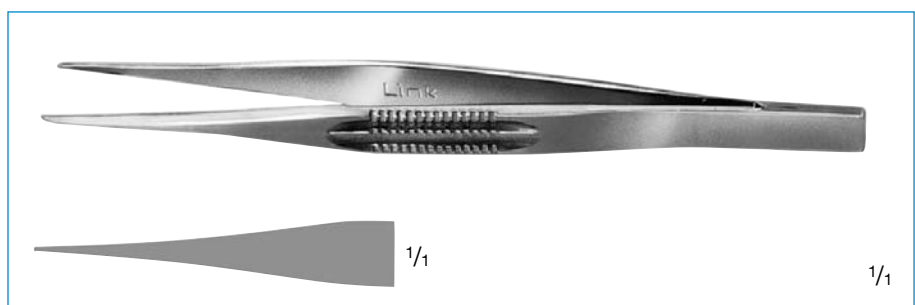
Nerves or blood vessels can be gently gripped with the delicate shanks of these forceps, adjustments in pressure on object to be grasped are simplified.



**10-5416**

**Micro Tissue Forceps, blunt tips,** 100 mm (4").

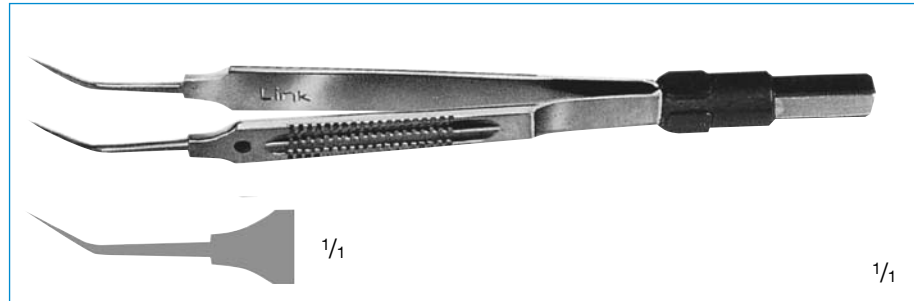
Similar to model 10-5414, but with blunt tips to minimize tissue damage to larger vessels. Not offset.



## ■ Micro - Surgery Instrument Set

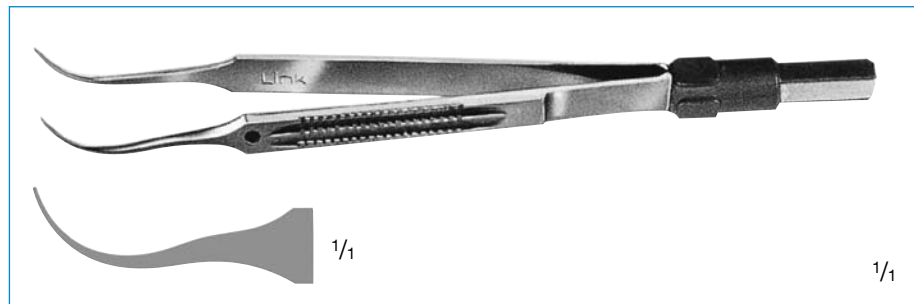
10-5419

**Micro Coagulating Forceps,** angled, sharp points, Asepto-Grip Handles, 25 mm offset mouth, 130 mm (5.2').



10-5421

**Micro Coagulating Forceps,** curved, slightly blunt, 32 mm offset mouth, 130 mm (5.2').



The delicate tips ensure a dot-shaped bipolar coagulation of the tissue. **10-5419** is suited for the smallest of vessels.

10-5422

**Micro Needle Holder,** curved, 150 mm (6").

Asepto-Grip Handles, very fine pattern for atraumatic needles 0.8 mm wide tips.

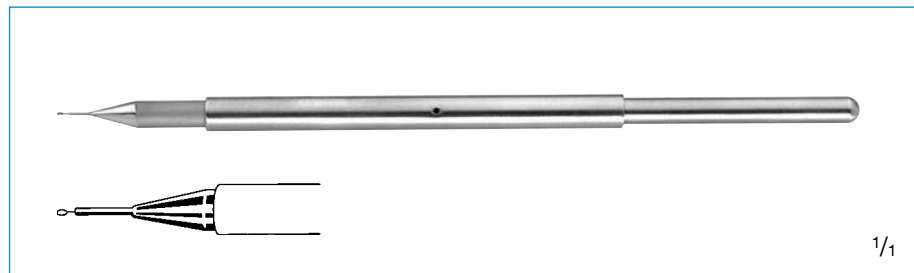


The smallest needles and sutures may be grasped and held securely with this delicate Needle Holder. All edges of the jaw surfaces and shanks have been carefully rounded to prevent gouging of the needles and avoid catching and breaking micro-sutures tying.

10-5424

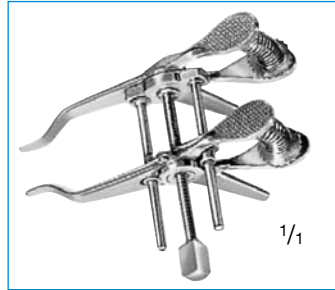
**Counter Loop,** 105 mm (4 1/4"), in retractable handle.

The tip of the Loop is inserted into the end of a small vessel and supports the wall while it is being penetrated with the suture needle. Small vessels need not be handled with forceps and unnecessary trauma is avoided.



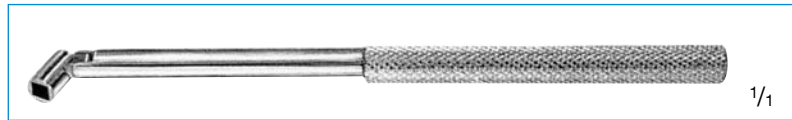
**10-5438**

**Approximator,**  
for medium size vessels, self-retaining,  
adjustable pressure 4 mm long jaws,  
40 mm overall length (1 1/2").



**10-5439**

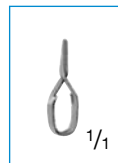
**Key for 10-5438,**  
83 mm.



Pressure exerted by the bayonet shaped self-retaining tips may be adjusted to the finest degree. To minimize size and weight, the parallel adjustment mechanism has been placed in the middle of the device, close to its center of gravity. The instrument is uniquely provided with adjustable legs to stabilize it in the deep hollow of the hand. The legs may be retracted if the approximator is used in a more shallow area.

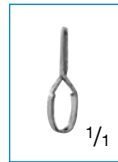
**10-5440**

**Micro Suture and Vessel Clip,**  
total length 13 mm, jaws 4 mm x 0.75 mm,  
pressure approximately 125 grams.



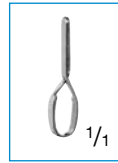
**10-5442**

**Micro Suture and Vessel Clip,**  
total length 14 mm, jaws 6 mm x 1 mm,  
pressure approximately 95 grams.



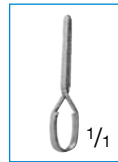
**10-5444**

**Micro Suture and Vessel Clip,**  
total length 16 mm, jaws 8 mm x 2 mm,  
pressure approximately 85 grams.



**10-5446**

**Micro Suture and Vessel Clip,**  
total length 18 mm, jaws 10 mm x 2 mm,  
pressure approximately 60 grams.



## ■ Micro - Surgery Instrument Set

**10-5448**

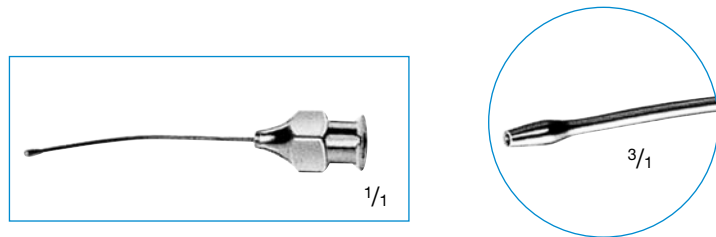
**Clip Applying Forceps**  
for Clips 10-5440 to 10-5446.  
With lock, 150 mm (6").



Grooved jaws provide greater stability of the Clip during insertion while the smooth jaws allow access to the clamping sight from an oblique angle. When locked, the Clips applicator will present the Clip with open jaws.

**10-5450**

**Irrigating Cannula,**  
with olive tip, 1 mm diameter,  
43 mm (1<sup>3</sup>/<sub>4</sub>").



**10-5452**

**Silicone Irrigating Bulb,**  
for use with **10-5450**.

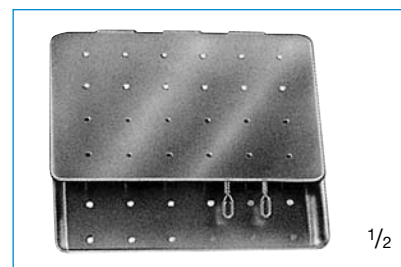


The flat base allows the irrigator to be placed upright on the surgical tray when not in use to avoid spillage and loss of fluid. With Luer adapter.

**10-5407**

**Sterilizing Box** for Micro-Clips, perforated,  
70 x 48 x 8 mm (2<sup>3</sup>/<sub>4</sub>"x 2"x1/4").

This small box will accommodate Micro-Clips **10-5426** to 30, **10-5440** to 46 or Vessel Approximators **10-5432** to 36. For storage and sterilization.





**10-5501/01**

**Skin Grafting Instrument Set in H11 Container**

consisting of:

- 10-5501/02** Wire-Mesh Tray, only 1 ea.
- 10-5501/03** Storage Template for 10-5501/02 1 ea.

**Instruments:**

- 10-1905** Ruler 1 ea.
- 10-1925** Humby Skin Graft Knife (incl. 10 blades) 1 ea.
- 10-1931** Silver Dermatome 1 ea.
- 10-1934/02** Skin Traction Plate, synthetic 2 ea.
- 10-1998** Micro Forceps 2 ea.

## ■ Skin Grafting Instrument Set

### 05-1001/03

#### H11 Container

275 x 275 x 100 mm, with 10 plastic seals  
(10<sup>3</sup>/<sub>4</sub>" x 10<sup>3</sup>/<sub>4</sub>" x 4")

- long lasting fabric filter in base and lid.
- Fully autoclavable, in accordance with DIN 58946, section 1
- quick-change filter clips
- disposable plastic seals, autoclavable
- insulated handles



### 05-3006

**Long Lasting Fabric Filter** for H11 Container,  
195 x 195 mm. (Not illustrated)

### 10-5501/02

#### Tray

240 x 258 x 50 mm, (9<sup>1</sup>/<sub>2</sub>" x 10" x 2") made of  
stainless steel mesh with handles and holding rack.  
(Without instruments)

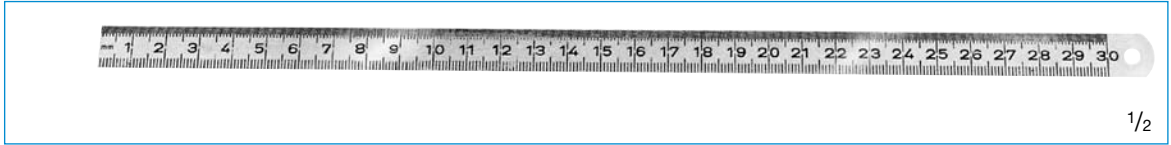


### 10-5501/03

**Storage Template** for 10-5501/02  
(Not illustrated)

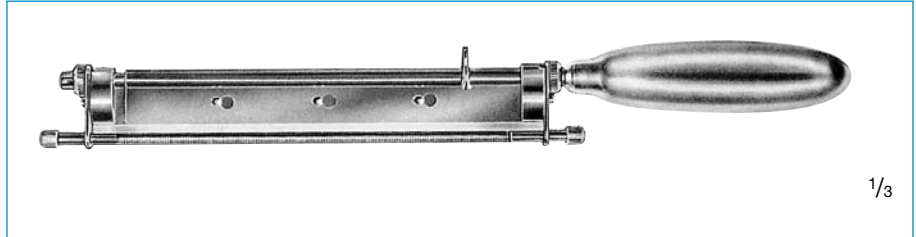
**10-1905**

**Ruler,**  
300 mm  
(11<sup>3</sup>/<sub>4</sub>" ),  
metric only



**10-1925**

**Humby Skin Graft Knife,**  
Blade 16 cm (6<sup>1</sup>/<sub>4</sub>" ), adjustable  
settings, overall length 315 mm  
(12<sup>1</sup>/<sub>2</sub>" ). (incl.10 blades)



**10-1930**

**Humby Knife Blade,**  
10 per pack.  
(Not included in Container/Case-System)

**10-1931**

**Silver Dermatome,** blade 40 mm  
(1<sup>1</sup>/<sub>2</sub>" ), overall length 200 mm (7<sup>3</sup>/<sub>4</sub>" ).  
  
Adjustable settings, uses Double  
Edge Razor Blades.



**10-1866**

**Double Edge Razor Blade,**  
10 per pack  
(Not included in Container/Case-system)

**10-1934/02**

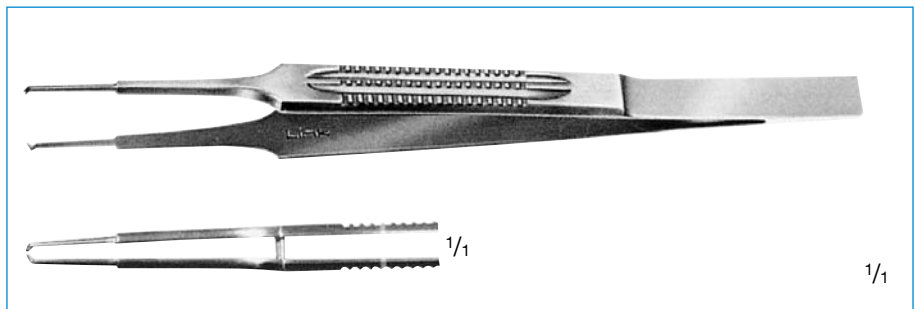
**Skin Traction Plate,**  
plastic, 120 x 80 x 10 mm (4<sup>3</sup>/<sub>4</sub>" x 3" x 1/3").



**10-1998**

**Micro Forceps,** straight,  
110 mm (4<sup>1</sup>/<sub>4</sub>" ).

**Asepto-Grip Handles,** 1 x 2 forward  
angled fine teeth stop prevents full  
closure.



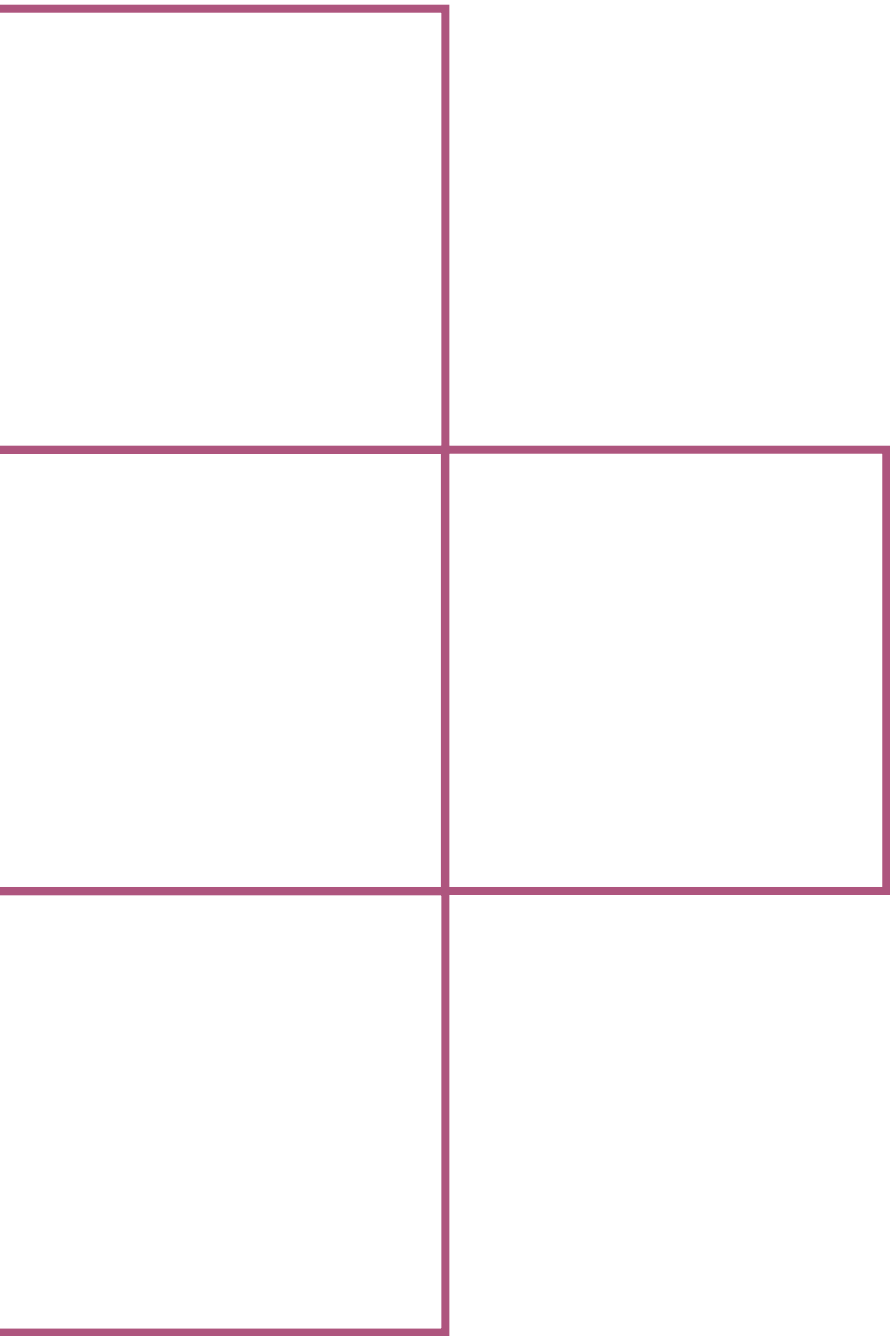


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All instruments, unless otherwise noted, are made of stainless steel.



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