Special Instruments –

for Hand Surgery

- Iliac crest mill
- Hand arthroscopy system
- Vickers Easidriver™
- KLS Martin EasyCut
- Vickers self-retaining wound spreaders
- Fixation hand
- Wrist Positioning Device

KLS martin GROUP

***Our core competence** is hand surgery, a field where we can offer you much more than just standard treatment solutions for, say, distal radial fractures. Many of our products are intended to help you to achieve outstanding results in difficult, non-everyday situations as well. Products such as our ulnar head prosthesis (UHP) or the Flower Plate for mediocarpal partial arthrodesis (4-corner fusion) are excellent examples of this.*

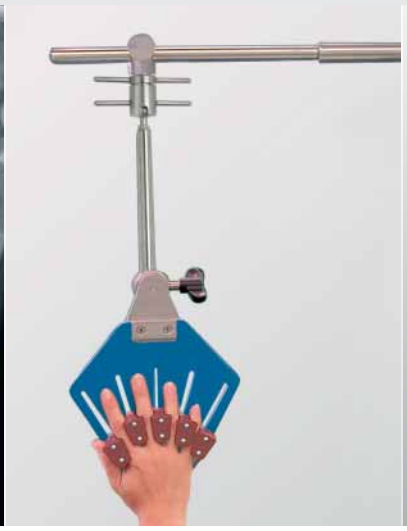
***Our objective** is to simplify hand surgery interventions through intelligent system solutions, helping you to achieve the best possible results in the interest of the patient. Working in close cooperation with well-known authors and their teams, we have translated new ideas into innovative products that are consistently being developed further in an ongoing process. The result is a wide range of high-quality systems that impress with their clever design along with easy and safe handling.*

And what's more, we have never lost sight of the economic perspective and service needs of our customers.

***We consider ourselves as a true partner** – to be relied upon for routine tasks and special challenges alike.*

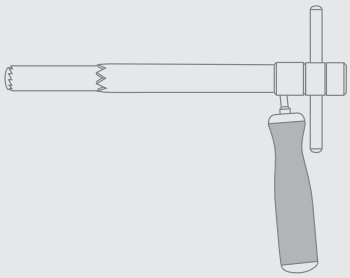
Table of contents

Form, advantage and benefit



	Advantage	*Benefit*

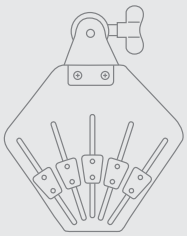
Iliac Crest Mill



- Small intervention area
- Leaves outer muscles almost unaffected
- Guide tube directly applied to the bone
- Spongiosa compression
- Precision grinding

- Removal of a smooth bone cylinder
- Easy and fast handling
- Prevents painful scars
- No nerve irritation
- Low morbidity in donor area
- Reduced osteorrhagia

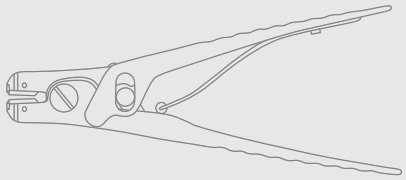
Hand Arthroscopy System



- Finger extension sleeve can be integrated as well
- Can be used horizontally and vertically
- All parts autoclavable
- Ball joint

- Easy handling
- Intraoperative flexibility
- Slewable in any direction
- Fits all commonly used operating tables

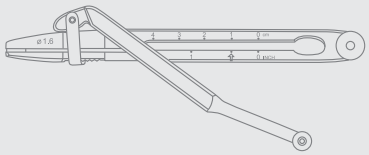
KLS Martin EasyCut



- High force transmission
- No screws in handle area
- Replaceable TC hard-metal cutting inserts

- Safe and effortless cutting of wires up to 3 mm thick
- High durability
- Can be repaired

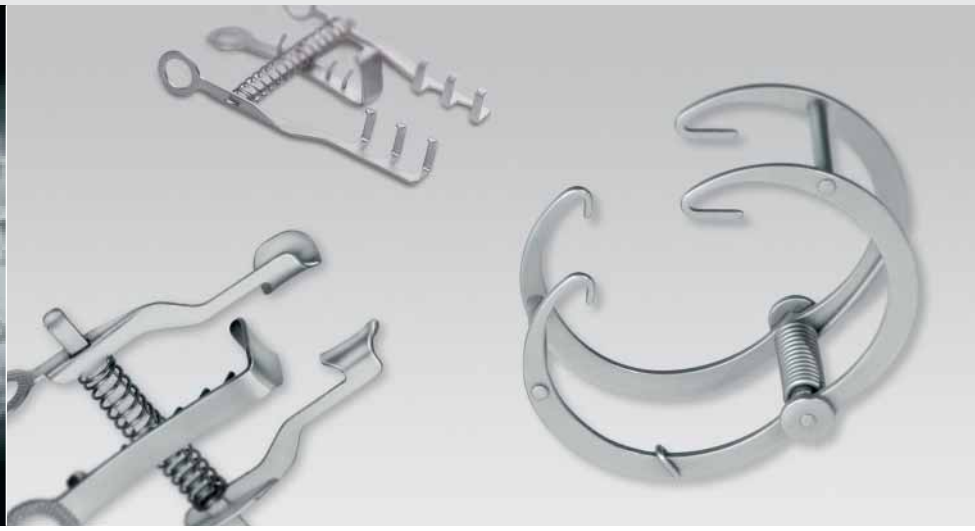
Vickers Easidriver™

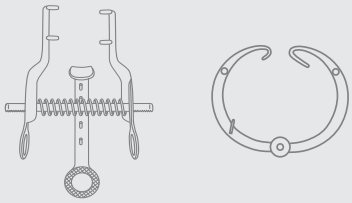
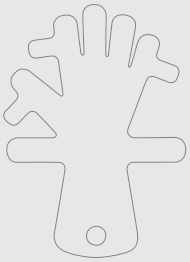
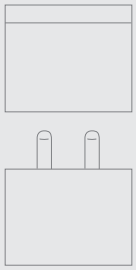


- For all wire sizes
- Single-handed operation
- Easy, fast and safe closing/opening functions
- Built-in bending device
- Serrated hard-metal insert

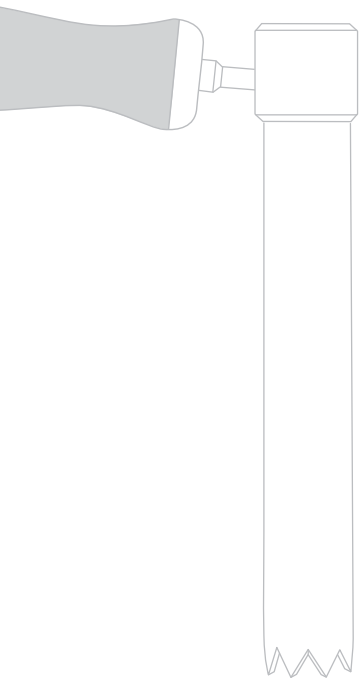
- Extremely efficient placing and removing of K-wires
- Easy handling
- No maintenance costs
- Allows extraction of very short or squeezed-off K-wires

Form, Vorteil
und Nutzen



	Advantage	*Benefit*
Vickers Wound Spreaders		
	■ Long, blunt blades ■ Easy-moving spring ■ Single-handed operation ■ Self-retaining	■ Automatic adaptation to wound size ■ Also suitable for thin skin ■ Optimal view of the surgical site
Fixation Hand		
	■ Flexible ■ Autoclavable	■ Secure fixation of the hand in the position required for the operation
Wrist Positioning Device		
	■ Autoclavable ■ Two-part	■ Stable position in dorsal or palmar overextension ■ Improved view of the surgical site ■ Offers two different heights for optimal positioning of the wrist

Step by Step
for easy cancellous bone grafting

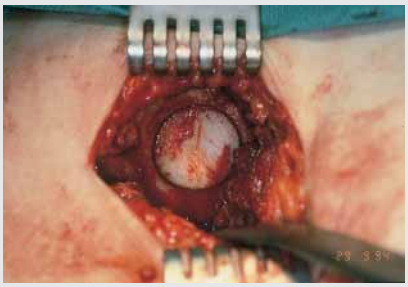


In reconstructive surgery, filling bony defects is a frequent necessity. To this end, the use of autogenous, well vascularized spongiosa still represents the so-called “golden standard”.

The iliac crest certainly is the most preferred donor site, given the very high quality of bone grafts harvested there. And even though the process of grafting bone material from the iliac crest region is a very simple operation in itself, complications are nonetheless common, with patients complaining about persistent pain and secondary hemorrhaging being a frequent side-effect.

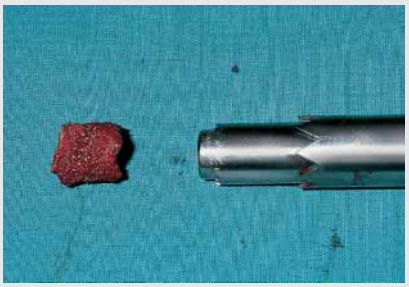
For this reason, we have developed an instrument that greatly facilitates iliac crest bone grafting and, thanks to the special and simple surgical technique, prevents painful scars and nerve damage at the same time.

To position the mill correctly, an approx. 4-cm-long skin incision is made 2 to 3 cm below the iliac crest and at least 2 cm dorsally to the antero-inferior iliac spine. This is followed by careful dissection of the hypodermis to prevent damage to the nerve branches with their irregular paths. Blunt dissection with a periosteal elevator is then used to keep the outer muscles of the iliac wing apart.



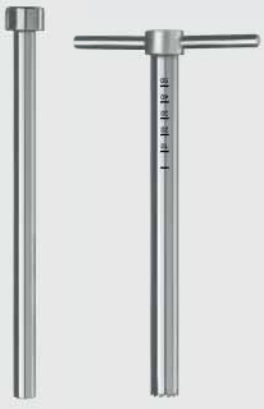
The guide tube is directly applied to the bone and its teeth are driven in a little with a mallet to prevent the guide sleeve from slipping away. The hollow mill is then inserted into the guide tube and moved forward by continuous handle rotation. As soon as resistance is felt to weaken, the cutter has cut through the opposite corticalis.

Instruments required for this working step:



The bone cylinder remains in the guide tube and is subsequently removed with the temper.

Instruments required for this working step:

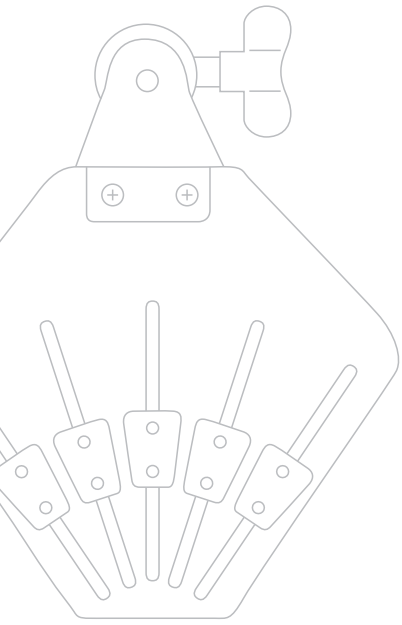


Surgical technique: Prof. Dr. Hermann Krimmer (M.D.), Ravensburg

Extension options
for flexible hand positioning

Where injured joint structures of the carpal region require treatment, wrist arthroscopy has established itself as a surgical procedure with a comparatively low rate of complications in recent years.

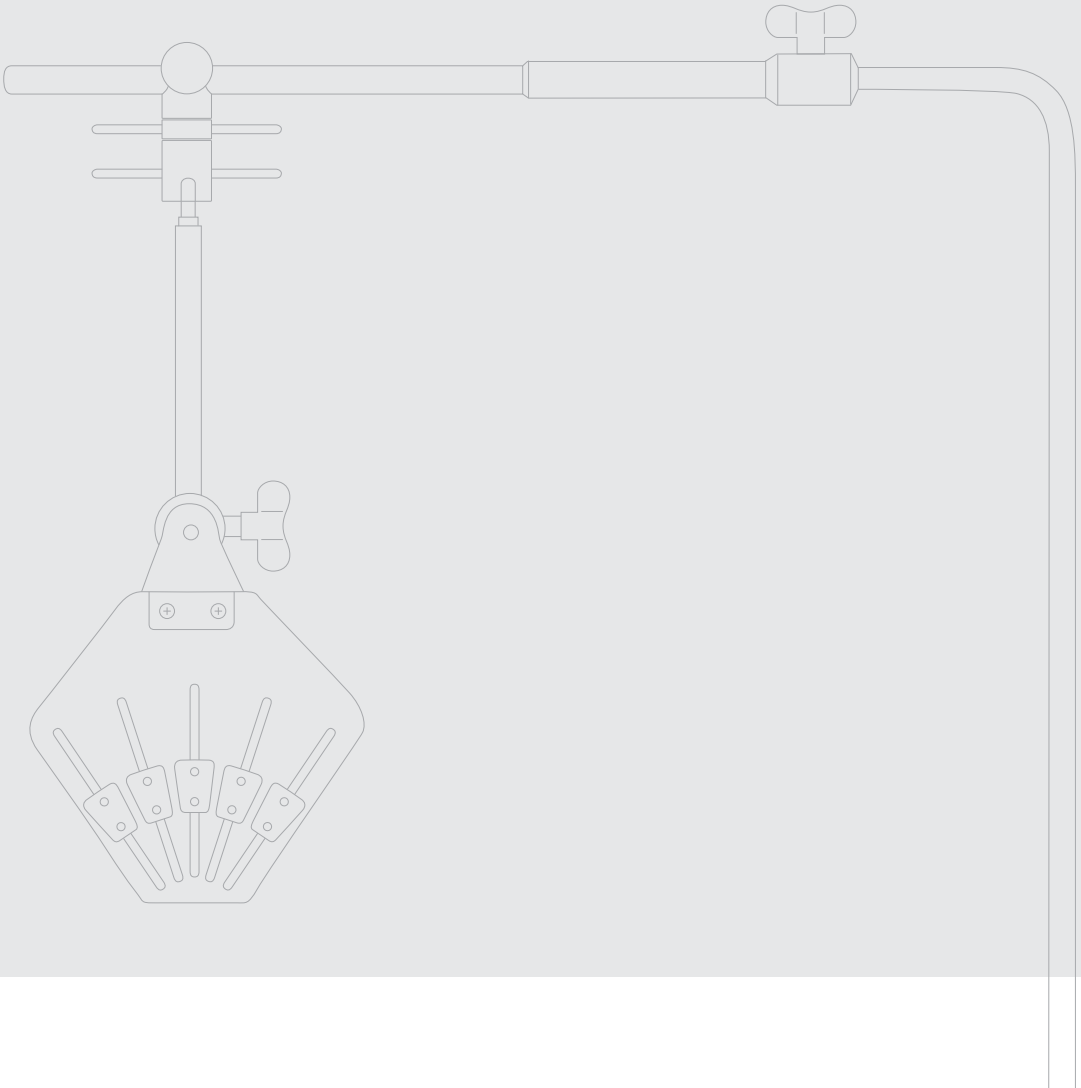
For this reason, we have developed a system that allows the surgeon to place the patient's hand in the best possible position horizintal or vertical for the arthroscopic task at hand.



Vertical positioning
(with hand immobilizer)

Vertical positioning
(with finger extension sleeves)

Horizontal positioning
(with hand immobilizer)



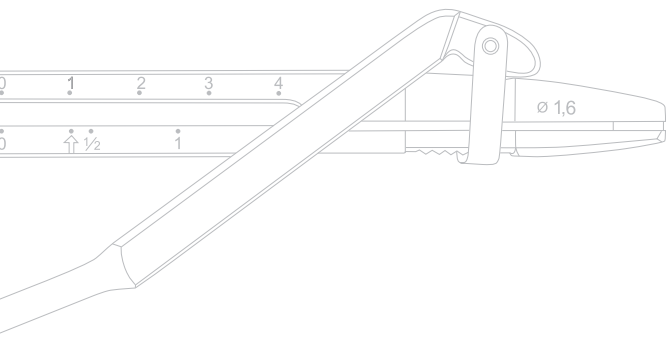
Step by step

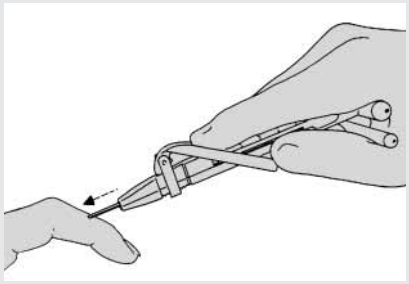
for easy handling of K-wires

In orthopedic and traumatologic surgery, it is often necessary to insert, shorten and subsequently remove Kirschner wires.

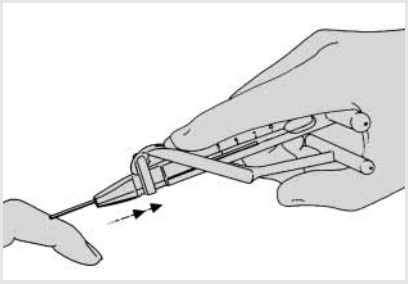
Also, it is usually important for the surgeon to be able to insert K-wires single-handedly because the other hand is needed for manipulating tissue, for example.

For this reason, we have developed the Vickers Easidriver™ – an instrument that simplifies the guiding of Kirschner wires as it can be easily operated single-handedly. In addition, the EasyCut provides for the effortless cutting of Kirschner wires with thicknesses of up to 3 mm.

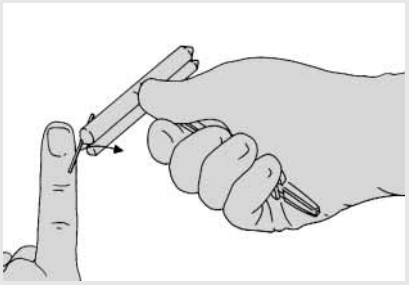




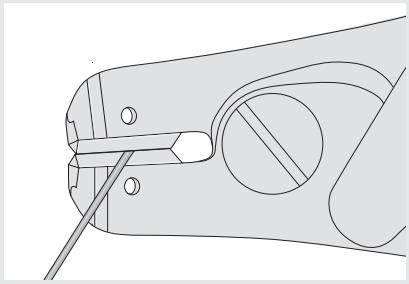
The wire is safely grasped with a gentle adduction of the thumb and is then screwed in or out with a simple rotational movement of the forearm.



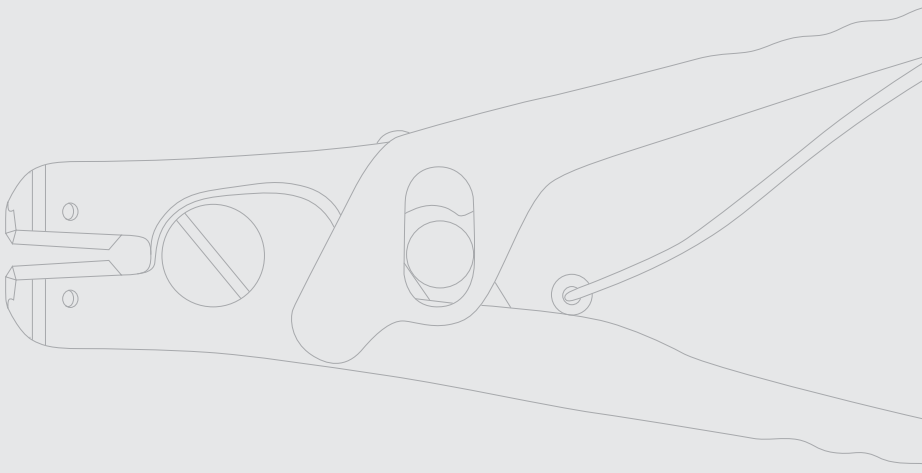
Abduction of the thumb opens the Easidriver™ and allows fast adjustment of the appropriate length of the wire.



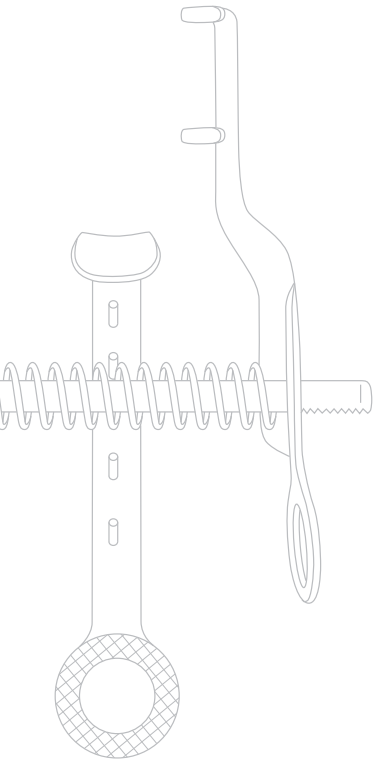
The handles feature bending devices for different wire diameters.



Cutting K-wire with the EasyCut



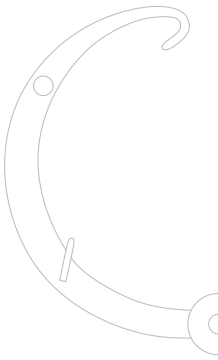
Options
for self-retaining wound spreading



In hand and traumatologic surgery, it is essential to ensure that small access openings are reliably kept open throughout the intervention.

Moreover, the surgeon must often be able to perform the operation without the help of an assistant (whose task is to keep the wound open), especially in emergency surgery.

For this reason, we have developed the Vickers wound spreaders. They are ideal for keeping small access openings perfectly open, can be operated single-handedly and adapt themselves automatically to wound size.



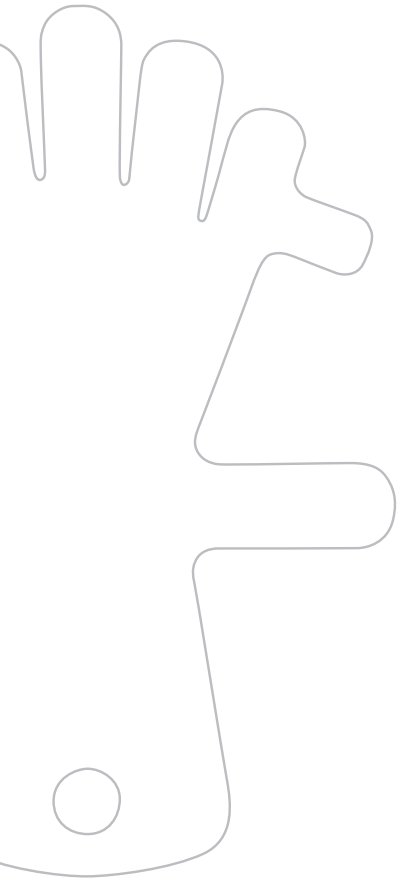
Vickers Low Profile 1
for hand and carpal tunnel

Vickers Low Profile 2
for hand and forearm

Vickers Low Profile 3
for snapping fingers and small incisions

Vickers finger wound spreader
for fingers

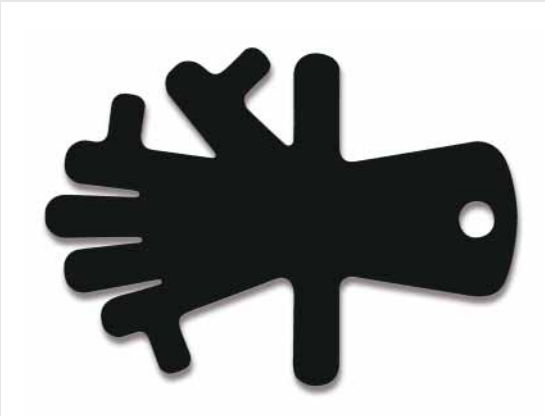
Fixation and positioning aid for the hand



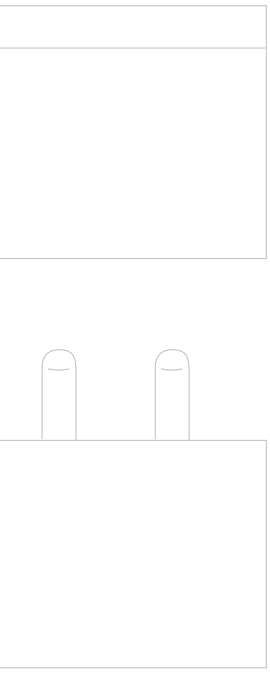
Due to the superior properties of the materials from which it is made, the KLS Martin Fixation Hand has proved to be an excellent device for intraoperative fixation of the hand.

This lead fixation hand can be quickly and easily bent in any direction. What's more, it can just as conveniently be returned to its initial form without causing fatigue in the material.

This allows the hand to be operated on to be optimally fixed in place as required by the situation and in accordance with the surgeon's needs.



Positioning aid
for a better view of the wrist



Especially where scaphoid fractures are concerned, correct placement of the wrist in extension or flexion position has an important influence on the surgical result.

Our wrist positioning device has been developed with a view to providing a better alternative to the conventional method of placing the wrist on a stack of folded textile cloths.

This device offers the surgeon stable fixation of the wrist during the operation. Whether with its palmar or dorsal side, the wrist can be conveniently placed on the device in overextended position to give the surgeon a better view of the opened wrist and the radius during the operation.

Wrist position for palmar approach

Wrist position for dorsal approach

Hand arthroscopy system and accessories

Set recommendation for vertical positioning

Item No.	System components
15-910-52-07	Fixation clamp, non-insulated
15-910-59-07	Main support arm
15-910-60-07	Arm extension
15-910-63-07	Hand immobilizer
15-910-64-07	Vertical bar with ball joint

Set recommendation for horizontal positioning

Item No.	System components
15-910-52-07	Fixation clamp, non-insulated
15-910-59-07	Main support arm
15-910-61-07	Vertical bar
15-910-63-07	Hand immobilizer
15-910-64-07	Vertical bar with ball joint

System components, sterile side:

Hand immobilizer for hand arthroscopy, sterilizable
15-910-63-07 1 unit(s)

Vertical bar for horizontal placement
15-910-61-07 1 unit(s) St
40 cm

Arm extension
15-910-60-07 1 unit(s) St
50 cm

Arm extension long
15-910-60-22 1 unit(s) St
65 cm

Vertical bar for hand arthroscopy, with ball joint
15-910-64-07 1 unit(s) St
46 cm

Storage

MicroStop® container
55-442-15-04 1 unit(s)
600 x 300 x 160 mm

Tray
55-808-75-01 1 unit(s)

Icon explanations:

- St Steel
- 1 unit(s) Items/pack

System components, unsterile side:

Fixation clamp, non-insulated
15-910-52-07 1 unit(s) St

Wire mesh, autoclavable

22-596-01-07 1 unit(s) St
small

22-596-02-07 1 unit(s) St
medium

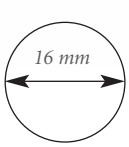
22-596-03-07 1 unit(s) St
large

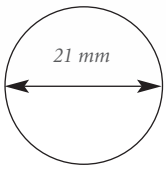
Horizontal suspension bar for finger extension sleeves
15-910-62-07 1 unit(s) St

Main support arm for hand arthroscopy
15-910-59-07 1 unit(s) St
Ø 16 mm

Main support arm for hand arthroscopy, stable
15-910-59-21 1 unit(s) St
Ø 20 mm
(only for vertical placement)

Iliac crest mill, EasyCut
and Vickers instruments





23-190-05-07
22.5 cm / 8¾"

23-190-06-07
22.5 cm / 8¾"

Iliac crest mill, complete

1 unità St Fz

Icon explanations:

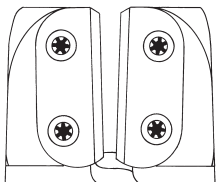
- St — Steel
- 1 unit/pk — Items/pack
- Fz — Ferrozell
- TC GOLD — TC Instruments with hard-metal inserts

1/2

Vickers Easidriver™
22-618-00-07
1 unit/pk · St

1/2

Vickers EasyCut
22-523-25-07
20 cm / 8"
1 unit/pk · St
TC GOLD



1/1

Hard-metal (TC) inserts for Vickers EasyCut
22-523-81-98
1 unit/pk · St
TC GOLD

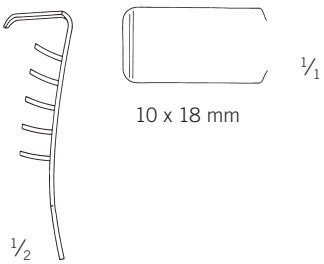
Vickers Wound Spreaders
Fixation Hands and Wrist Positioning Device

Vickers Low Profile 1
15-792-00-01
for hand and carpal tunnel,
complete with center blade,
10 x 18 mm
1 unit(s) St

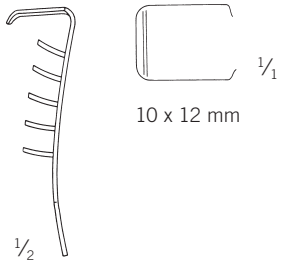
Vickers Low Profile 2
15-793-00-01
for hand and forearm,
complete with center blade,
10 x 18 mm
1 unit(s) St

Vickers Low Profile 3
15-794-00-01
for snapping fingers and
small incisions,
complete with center blade,
10 x 18 mm
1 unit(s) St

Vickers finger wound spreader
15-798-01-01
1 unit(s) St



15-792-01-01
Center blade only
1 unit(s) St



15-792-02-01
Center blade only
1 unit(s) St

Icon explanations:

- St Steel
- 1 Items/pack
- Sic Silicone
- Al Aluminium

Fixation hand for children
23-960-01-04

Fixation hand for adults
23-960-02-04

Silicon ring

23-960-24-04	23-960-27-04	23-960-44-04
small	medium	large
24 x 3 mm	27 x 3 mm	34 x 3 mm

Wrist Positioning Device complete
23-963-00-04

Upper part
23-963-01-04

Lower part
23-963-02-04

Should any more questions remain ...

... just contact us!

Apart from our range of products specially tailored to the requirements posed by traumatological and reconstructive interventions in hand surgery, we also offer you a wide selection of different systems for use in classical traumatology.

Please do not hesitate to order our Special Catalog for the Upper and Lower Extremities, which is available in printed and digital form (CD). To facilitate the ordering process for you, we have created a special Order Form that is available on request at any time.

Of course, you can reach us personally at your convenience, either by e-mail – sandra.braunbart@klsmartin.com – or telephone (customer hotline): +49-7461-706-109.

Special Catalog
for the Upper and
Lower Extremities

Printed version
90-851-48-07

CD version
90-851-38-06

Additional Vickers products:

- Vickers K-wire dispenser
- Vickers elevator
- Vickers mallet
- Vickers hand restrainer
- Vickers central blade
- Vickers soft-tissue dissector
- Vickers hooklet

KLS Martin Group

Karl Leibinger GmbH & Co. KG
78570 Mühlheim · Germany
Tel. +49 7463 838-0
info@klsmartin.com

KLS Martin GmbH + Co. KG
79224 Umkirch · Germany
Tel. +49 7665 9802-0
info@klsmartin.com

Stuckenbrock Medizintechnik GmbH
78532 Tuttlingen · Germany
Tel. +49 7461 165880
verwaltung@stuckenbrock.de

Rudolf Buck GmbH
78570 Mühlheim · Germany
Tel. +49 7463 99516-30
info@klsmartin.com

KLS Martin France SARL
68000 Colmar · France
Tel. +33 3 89 21 66 01
france@klsmartin.com

Martin Italia S.r.l.
20871 Vimercate (MB) · Italy
Tel. +39 039 605 67 31
italia@klsmartin.com

Martin Nederland/Marned B.V.
1270 AG Huizen · The Netherlands
Tel. +31 35 523 45 38
nederland@klsmartin.com

KLS Martin UK Ltd.
Reading RG1 3EU · United Kingdom
Tel. +44 1189 000 570
uk@klsmartin.com

Nippon Martin K.K.
Osaka 541-0046 · Japan
Tel. +81 6 62 28 90 75
nippon@klsmartin.com

KLS Martin L.P.
Jacksonville, Fl 32246 · USA
Tel. +1 904 641 77 46
usa@klsmartin.com

Gebrüder Martin GmbH & Co. KG
Representative Office
121471 Moscow · Russia
Tel. +7 499 792-76-19
russia@klsmartin.com

Gebrüder Martin GmbH & Co. KG
Representative Office
201203 Shanghai · China
Tel. +86 21 2898 6611
china@klsmartin.com

Gebrüder Martin GmbH & Co. KG
Representative Office
Dubai · United Arab Emirates
Tel. +971 4 454 16 55
middleeast@klsmartin.com

Gebrüder Martin GmbH & Co. KG
A company of the KLS Martin Group
Ludwigstaler Str. 132 · 78532 Tuttlingen · Germany
Postfach 60 · 78501 Tuttlingen · Germany
Tel. +49 7461 706-0 · Fax +49 7461 706-193
info@klsmartin.com · www.klsmartin.com

CE **03.12 · 90-312-02-05** · Printed in Germany · Copyright by Gebrüder Martin GmbH & Co. KG · Alle Rechte vorbehalten · Technische Änderungen vorbehalten
We reserve the right to make alterations · Cambios técnicos reservados · Sous réserve de modifications techniques · Ci riserviamo il diritto di modifiche tecniche