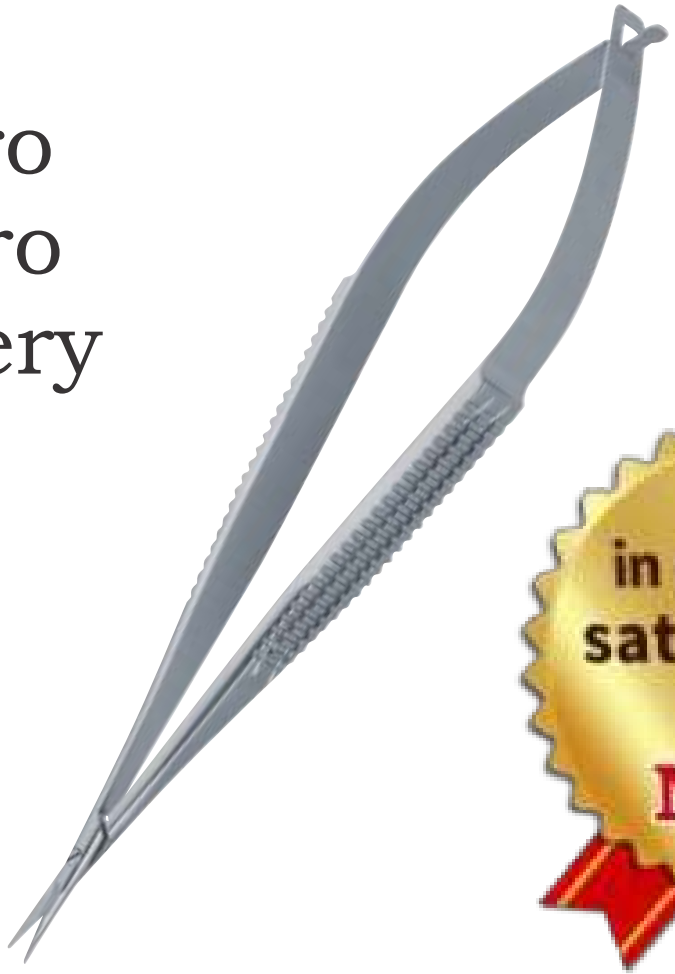
Riester
SURGICAL 8539628

Riester Surgical is Manufacturer and Exporter of all kinds of Surgical Instruments for ENT Diagnostic ,Ophthalmology & Dermatology Pocket Instruments, Premium ENT Diagnostic and Ophthalmic Instruments, Laryngoscopes, Fibre Optic Laryngoscopes, Laryngoscopes with Direct Illumination, Disposable Laryngoscopes, Laryngoscope Sets, Gynecology

Micro Neuro Surgery



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Roras Road, Muzaffar Pur Sialkot 51310 Pakistan.
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E-mail: riestersurgical@gmail.com
Website:www.riestersurgical.com

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About Us

History
Serving more than 100 years in the field of Surgical, Dental, Manicure & Pedicure Implements, Veterinary and Jewelry Tools etc. Our grandfather was the pioneer who laid down the founding tone of the manufacturing of surgical instruments since 1908. This is our family business and we are the 3rd generation in this field.

Introduction
Riester Surgical was established in 2014 the company has, since the start, developed a stable and steady growth. The company success though, is due to the support of health authorities which have recognized our compromised to quality and punctuality.

Our Philosophy
Our philosophy is to share our knowledge and experience with our customers and give them all the professional assistance they might need.

Company Policy
Riester Surgical shall not compromise on quality of the products. We shall achieve quality excellence by using quality assurance programs and techniques. Prompt and dedicated services shall be ensured to customers and efficiently to the best of our ability.

Our Commitment
Our commitment to quality, based on our continuous monitoring at every stage of the manufacturing process has placed us at par with international standards, while maintaining very competitive prices.

Quality Management System
Riester Surgical manufacturing process emphases quality above all else. Our employees are having a ten to fifteen-years technical and practical experience in order to achieve, international standards. The proper stainless steel, stamping and forged materials used are meticulously selected and go through highly effective quality control. All surgical instruments are manufactured using the highest quality Pakistani, German, French and Japanese medical grade Stainless Steel. Every Instrument is Hand Examined from steel forging to final packing; no product passes to the next step unless Hand-Examined by a highly qualified and experienced technician.

100% Satisfaction Guaranteed
All our Instruments are produced with high quality stainless steel and are thoroughly checked and inspected during all phases of production, In order to ensure that they correspond to the international standards laid down by the **ISO 13485:2016, ISO 7153-1:2016 EN 10088-1:2005, ISO 9001:2015 and CE** standards and are confirmation of their compliance to use.

Product Materials
We are Manufacturing stainless steel Grades **AISI 410, 420, 304, 302 ASTM F899** steel according international standards.
Also French & German & Japanese's steel technology that removes calculus efficiently, while retaining its sharp Riester Surgical for a longer period of time.

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About Us

Riester Surgical Instruments hold the highest quality standards throughout the creation of the instrument from raw materials to finished product.

We believe in our products and provide the user with a 100% customer satisfaction guarantee. Please feel free to contact us for any information.

Our Staff

We are convinced that a highly qualified staff brings trust in our company. We are tight team, consisting of people, who with their education and experience contribute to our company strength.

Support

Our friendly and well-trained staff will happy to assist you. If you are looking for something that not in our range of products, So we will do our best to help you.

Terms & Condition

Processing of Ordered Goods: after finalize the contract, we start production the articles with zest and zeal, to ensure prompt delivery.

Minimum Order

The minimum order is Euro €.1000.00, US$.1000.00

Price

We normally quote FOB prices. However, we can add freight, shipping and postage charges depending upon the requirement of the buyer.

Payment

We accept L/C, D/P, T/T, Western Union, Money Gram payments for conformed orders. We prefer 70% advance and the remain 30% on completion of the goods but before shipment. The goods will remain the property of Riester Surgical before total payment of the order.
We accept Irrevocable Letter of Credit (L/C).

Mode of Shipment

It depends on the requirement of buyer.

Claim

We always supply the goods with utmost care in all aspects; but still out of human error, any claim arises for any loss or damage, it must be filed within 4 days of the date of goods receipt. The claim is not negotiable after Twenty-One Days from the date of invoice.

Returns

Returns are not acceptable without prior mutual consent. Any instruments that are custom made, modified, private labeled, custom etched or otherwise modified or hampered are not returnable for

About Us

credit.

We reserve the right to inspect any returns prior to issuing any credit. Returned goods will be subject to 20% Re-stocking charges.

Repairs & Warranty Replacements

In case of any manufacturing defect, we guarantee to replace, repair any such piece(s), free of cost but this does not apply to instruments that are repaired, or hampered/mishandled at the importer's end. Instruments which have been repaired by a source other than.

Void of this warranty

Merchandise will be repaired or replaced at our discretion.
The instruments lost/damaged during this transit to us will not be our responsibility.
The freight of such articles will be borne by the consignee.

Written By: Production Manager

Signature: _____

Reviewed By: Quality Assurance Manager

Signature: _____

Approved By: CEO

Signature: _____

Dated: 01st January 2021 to 31st December 2021

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User Manual

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INSTRUCTION MANUAL – PLEASE READ BEFORE USE SURGICAL INSTRUMENTS

The Riester Surgical culture is one of responsibility and accountability, which means we take ownership of our projects with a clear view of the final objective. We are providing the responsiveness to customer needs of a small business, but with the added innovation, advanced manufacturing methods and qualified distribution network of a truly global company. This, in essence, created what Riester Surgical stands for today: world-class products and services for our customers.

INNOVATION

At Riester Surgical we foster innovation by combining decades of experience in developing and manufacturing diagnostic devices with out-of-the-box, innovative thinking. Our people are always eager to explore new technologies. As a result we are now in the great position of being able to launch innovative products every year, while still having a well-filled product pipeline for the future.

CUSTOMER SATISFACTION

Riester Surgical 's customers expect nothing less than world-class products and services. Consequently, they are the center of all our efforts and activities, right across the company, from research and development through to manufacturing, marketing and sales. Designed for demanding, everyday use in doctors´ practices and hospitals, many of our products are developed through close cooperation between our engineers and specialists from research centers and university hospitals.

During the development phase, our test procedures and facilities lay the foundation for products of outstanding quality, even before the actual manufacturing process starts.

EMPOWERMENT

Our employees are key to our success and we continue to invest in their development. From their initial training when they join Riester Surgical, followed by ongoing development programs and corporate management training, our employees are encouraged to contribute through excellence and teamwork. Our objective is to empower people and help them assume responsibility to help us, as a team, achieve our ambitious company goals.

PRODUCT LAUNCHES

Riester Surgical Product Launches Surgical Instruments for ENT, Ophthalmology & Dermatology Pocket Instruments - Premium ENT Diagnostic and Ophthalmic Instruments, Laryngoscopes, Fibre Optic (F.O.) Laryngoscopes, Laryngoscopes with Direct Illumination, Disposable Laryngoscopes, Laryngoscope Sets, Gynecology Sets, INTENDED USE These instructions for use are valid for Surgical instruments made of stainless steel, such as Extracting Forceps, instruments for Bone Surgery, Scalpels, Knifes, Scissors, Forceps, Clamps, Retractors, Probes, Scalars Spatulas, Suture Root Elevators instruments with special instructions.

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Riester Surgical sets higher standards than required by norms and guidelines. In order to comply with these exceptionally high internal standards, we only use high-grade materials from reliable suppliers and apply the latest manufacturing methods, with every product having to pass several intermediate and final quality checks .All our manufacturing personnel receive expert training to ensure world-class finishing and quality. Our products come with a minimum two year warranty.

TESTS

Surgical instruments are high-quality products whose proper handling and use will be described in the following. In order to minimize hazards for patients and users these directions must be closely obeyed. Application, maintenance and test of the instruments may only be carried out by specially skilled staff.

HANDLING

The instruments must not be over stressed by twisting or levering as this may lead to damages or cracking of the instruments.

PURPOSE / FIELD OF APPLICATION

These operating instructions are valid for standard surgical instruments of the production of Riester Surgical. The user decides according to his specialized knowledge whether the instrument may suitable for the intended purpose.

DISPOSAL

Instruments that cannot be repaired or reprocessed should be disposed in accordance with the respective disposal guidelines of the hospital.

MATERIALS

Product Materials

We are using Materials as per international standards. We have expertise to remove calculus efficiently from the Materials while retaining its sharpness which is durable for a longer period of time. Riester Surgical Instruments hold the highest quality standards throughout the creation of the instrument from raw materials to finished product.

We believe in our products and provide our clients 100% satisfaction guarantee. Please feel free to contact us for any information.

QUALITY

100% Satisfaction Guaranteed All our Instruments are produced with high quality stainless steel and are thoroughly checked and inspected during all phases of production, In order to ensure that they correspond to the international standards laid down by the ISO 13485, ISO 9001, ISO7153-1 EN10088-1 and CE standards and are confirmation of their compliance to use.

REPROCESSING DIRECTIONS

Surgical instruments may in general only be processed by specially skilled staff possessing the specific knowledge for this kind of work. Detailed information to the maintenance of instruments are available in the

User Manual

“in this Brochure” of the www.riestsurgical.com links to laws, norms and specialized maintenance committees can be found.

ADVICE

Instruments made of stainless steel must not be put in physiological saline solutions (NaCl), as longer contact may lead to corrosion dam- ages. Instruments may only be sterilized after a previous cleaning and disinfection.

INSTRUCTION

Due to the design of surgical instruments and the used materials, it is not possible to determine a limited number of reprocessing cycles. The lifetime of surgical instruments is therefore determined by the function / wear of the device. In case of damage the device must be reprocessed before sending back to the manufacturer for repair.

REPROCESSING INSTRUCTIONS

Preparation at the point of use:
Remove gross soiling by submerging the instrument into cold water (<40°C) immediately after use.
Don't use a fixating detergent or hot water (>40°C) as this can cause the fixation of residuals which may influence the result of the reprocess- in process.

TRANSPORTATION

Safe storage and transportation in a closed container to the reprocessing area to avoid any damage and contamination to the environment.

PREPARATION FOR DECONTAMINATION

The devices must be reprocessed in an opened or disassembled state. Instruments must be placed on adequate supports or trays. The nature of the supports or trays must not have any negative influence on the result of the following cleaning and disinfection by rinsing or ultrasonic treatment.

MANUAL PRE CLEANING

Immerse the instrument into cold tap water for at least 5 minutes. Dismantle the instruments If possible and brush under cold tap water until all visible residues are removed. Inner lumen, threads and holes are flushed each with a water jet pistol for minimum 10 seconds in the pulsed mode. Immerse the instrument into an ultrasonic bath with an alkaline or enzymatic detergent (0,5%) and treat with ultrasound for 15 minutes at 40°C.

Remove the instruments from the bath and rinse again with cold tab water.
The cleaning bath must be changed at least once a day, or if required. Any pollution may influence the result of cleaning / disinfection and may favor corrosion.

MANUAL CLEANING

In case of manual cleaning, the cleaning process needs to be adapted to the pre-treatment. The used detergents must be compatible, in order to avoid any negative influence on the cleaning/disinfection result. The detergent must be suitable for the treatment of surgical instruments.

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The manufacturer's instructions regarding concentration and reaction time must be strictly obeyed. Use only soft brushes, no metal brushes. Channels and hollow parts must be rinsed thoroughly. If necessary, a high pressure hose must be used.

- Rinse the instruments with running clear water.
- Dry the instruments thoroughly.
- The cleaning bath must be changed at least once a day, or if required.

CHEMICAL DISINFECTION

The chemical disinfection follows the manual cleaning. A detergent, suitable for surgical instruments made of stainless steel must be used.

PACKAGING STORAGE

Storage of sterilized instruments in appropriate packaging in a dry, clean and dust free environment at modest temperatures of 5°C to 40°C, and at a constant humidity. The distance between shelf and floor should be at least 30cm. Storage duration time is to be determined by the user.
Reprocessing validation study information:
The following testing test devices, materials & machines have been used in this validation study; Detergent:

ADDITIONAL INSTRUCTIONS

If the described chemistry and machines are not available, it is the duty of the user to validate his process.
It is the duty of the user to ensure that the reprocessing processes including resources, materials and personnel are capable to reach the required results. State of the art and often national law requiring these processes and included resources to be validated and maintained properly.

WARRANTY

The products are made of high grade medical stainless steel and are controlled prior to sale. In case of any error or inconvenience, please feel free to contact our service.

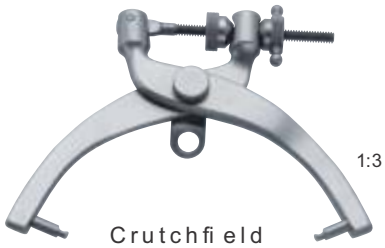
Riester Surgical cannot provide any guarantee weather the instruments are suitable for the respective intervention. This has to be determined by the user.

Riester Surgical does not provide any liability for any damages arising from pure chance. Riester Surgical does not provide any liability for any damages deriving from contravening against this manual. In case of using the instruments on patients with Riester Surgical does not provide any liability for the reprocessing of the instruments.

Yours very sincerely,

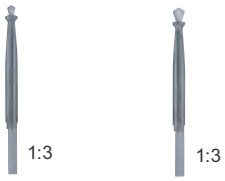
Management and Staff Riester Surgical
Riester Surgical Product Launches

Cervicel traction tongs

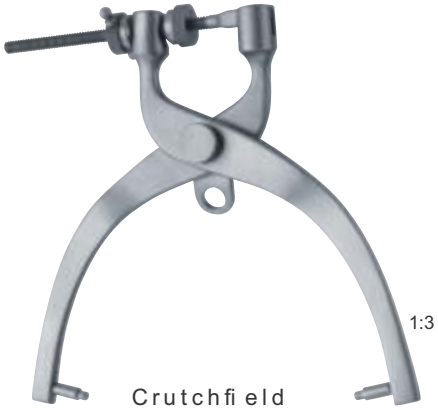


Crutchfield

Riester 24900-00



	3.5mm Ø	5.0mm Ø
Riester 24901-02	x	x



Crutchfield

Riester 24901-00

Set of 2 pieces for Riester 24900-00 and Riester 24901-00

Riester 24903-00

large type, cervical traction tongs – pins adjustable no drilling to be done

Riester 24903-01

Spare pin for Riester 24903-00

Riester 38584-19

Wrench, double-ended for Riester 24903-00

Hudson

270 mm – 10¾"	Riester 24850-00

complete with 4 twist drills (Fig. 1 – Fig. 4) and extension piece

Riester 24851-00

Extension piece

Fig. 1	Fig. 2	Fig. 3	Fig. 4
9 mm Ø	14 mm Ø	16 mm Ø	22 mm Ø
Riester 24851-01	**Riester 24851-02**	**Riester 24851-03**	**Riester 24851-04**

Cushing

14 mm Ø
Riester 24854-05

McKenzie

13 mm Ø
Riester 24854-09

Instruments for cranial opening

Surgery

1:2

De Martel

330mm –13"	Riester 24912-33

1:2

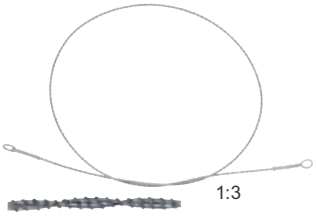
Adson

150mm – 6"	Riester 24907-15

1:2

De Vilbiss

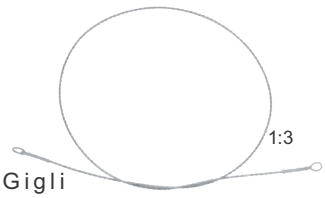
210mm – 8¼"	Riester 24909-21



1:3

Olivecrona

300mm – 12"	Riester 24915-30
400mm – 16"	Riester 24915-40
500mm – 20"	Riester 24915-50
600mm – 23½"	Riester 24915-60
700mm – 27½"	Riester 24915-70



1:3

Gigli

300mm – 12"	Riester 24917-30
400mm – 16"	Riester 24917-40
500mm – 20"	Riester 24917-50

6 wires twisted

1:2

Gigli

Riester 24916-00

Self-retaining brain retactor

Riester 24920-00

Brain retractor self-retaining, with 1 flexible arm, complete, consisting of: fixation base for 1 flexible arm, flexible arm only, support for flat brain spatulas

Riester 24922-00

Brain retractor self-retaining, with 2 flexible arms, complete, consisting of: fixation base for 2 flexible arms, 2 flexible arms, 2 supports for flat brain spatulas

Self-retaining brain retactor

Riester 24922-02

Fixation base only, holding 2 flexible arms

Riester 24920-02

Fixation base only, holding 1 flexible arm

Riester 24925-02

Support only, for flat brain spatulas

Riester 24925-01

Support only, for brain spatulas with round shaft of 4 mm and 5 mm Ø to fix on the flexible arm

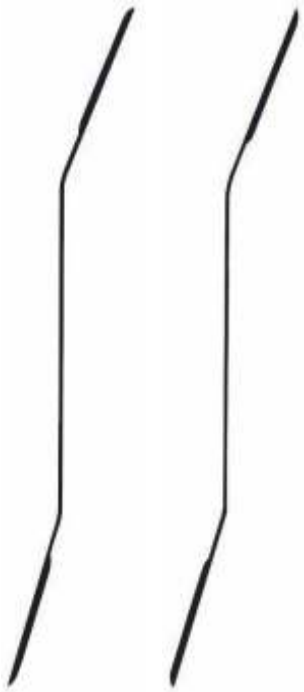
Riester 24926-00

Flexible arm only – for attaching coupling heads and for fixation bases

Cushing

	180 mm – 7"
7 mm x 9 mm	**Riester 25240-07**
11 mm x 13 mm	**Riester 25240-11**
15 mm x 18 mm	**Riester 25240-15**
18 mm x 22 mm	**Riester 25240-18**

Olivecrona

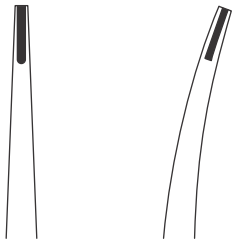


	180 mm – 7"	180 mm – 7"
7 mm x 9 mm	**Riester 25246-07**	**Riester 25245-07**
11 mm x 13 mm	**Riester 25246-11**	**Riester 25245-11**
15 mm x 18 mm	**Riester 25246-15**	**Riester 25245-15**
18 mm x 22 mm	**Riester 25246-18**	**Riester 25245-18**
	convex	*concave*

Heifetz

	200 mm – 8"
x = 8 mm	**Riester 25249-08**
x = 11 mm	**Riester 25249-11**
x = 14 mm	**Riester 25249-14**
x = 17 mm	**Riester 25249-17**
x = 20 mm	**Riester 25249-20**

malleable



McKenzie		
150 mm – 6"	Riester 25020-15	Riester 25021-15
190 mm – 7½"	Riester 25020-19	Riester 25021-19

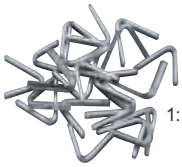
Clip applying forceps

1:2

McKenzie

148 mm x 40 mm x 6 mm – 5¾" x 1½" x ½"	Riester 25001-00

Brain clip-rack for 20 clips



1:1

Riester 25000-00

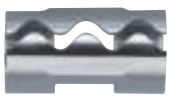
100 Brain clips in plastic box

Olivecrona-Toennis (Scoville)

x = 140 mm – 5½"	Riester 25010-24

Raney

150 mm – 6"	Riester 25040-15



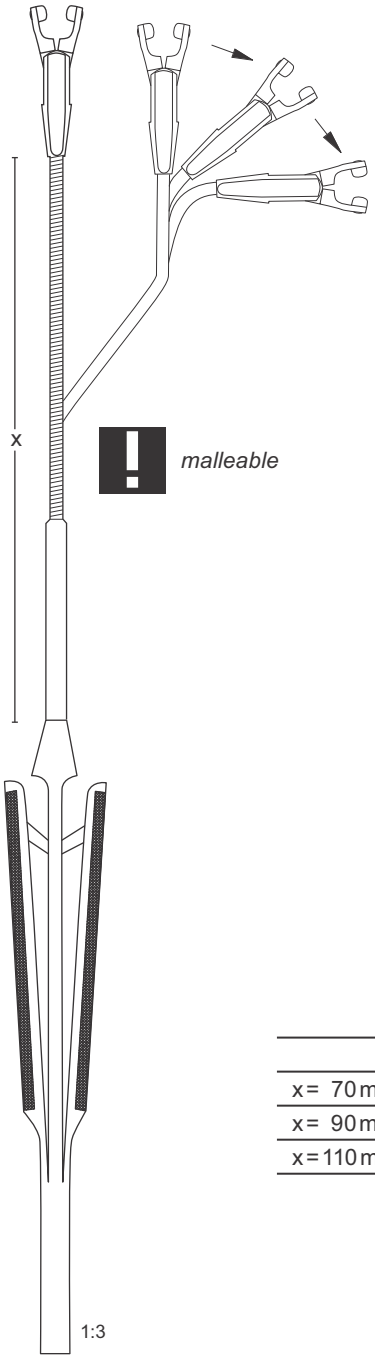
Riester 25039-00

Scalpclip "Raney"

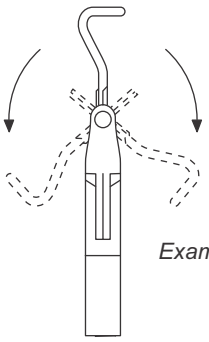
Riester 25038-00

Scalpclip "Köln"

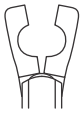
Applying forceps for Yasargil clips



malleable

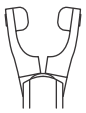


Example for rotation



	Mini	Standard
x= 70 mm – 2¾"	Riester 25080-01	Riester 25081-01
x= 90 mm – 3½"	Riester 25080-02	Riester 25081-02
x=110 mm – 4¼"	Riester 25080-03	Riester 25081-03

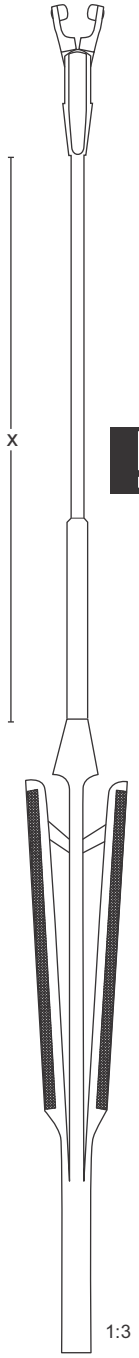
non rotating



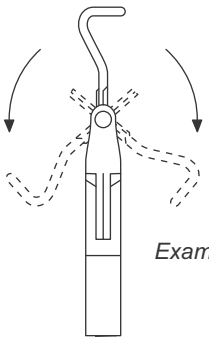
Mini	Standard
Riester 25082-01	Riester 25083-01
Riester 25082-02	Riester 25083-02
Riester 25082-03	Riester 25083-03

rotating

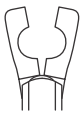
Applying forceps for Yasargil clips



rigid

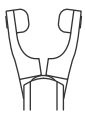


Example for rotation



	Mini	Standard
x = 70 mm – 2¾"	**Riester 25084-01**	**Riester 25085-01**
x = 90 mm – 3½"	**Riester 25084-02**	**Riester 25085-02**
x = 110 mm – 4¼"	**Riester 25084-03**	**Riester 25085-03**

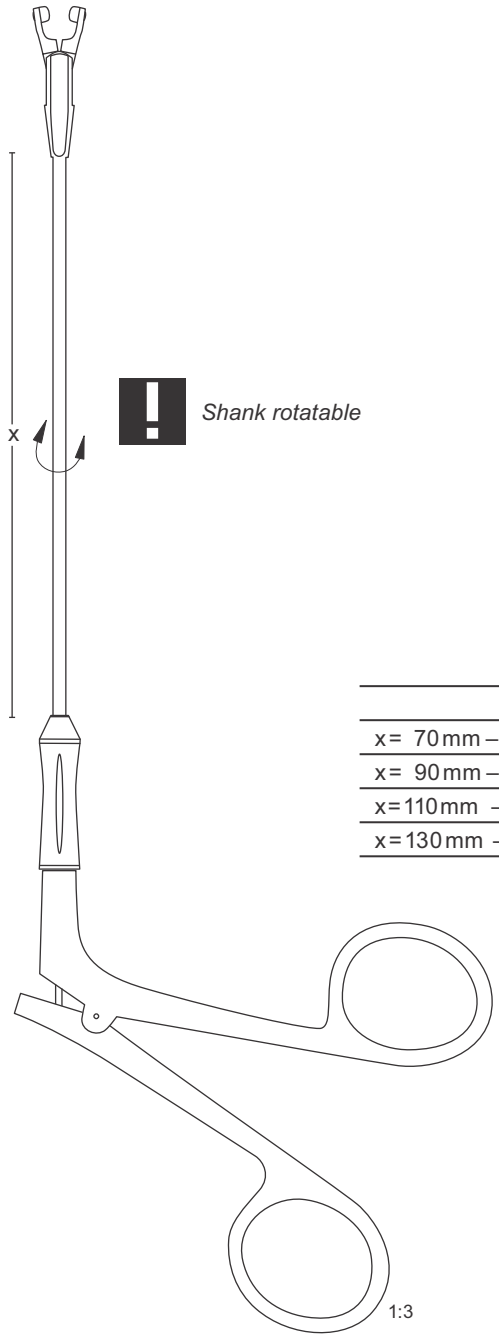
non rotating



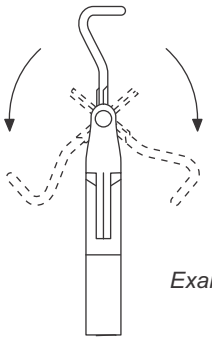
Mini	Standard
Riester 25086-01	**Riester 25087-01**
Riester 25086-02	**Riester 25087-02**
Riester 25086-03	**Riester 25087-03**

rotating

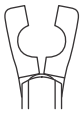
Applying forceps for Yasargil clips

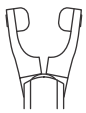


Shank rotatable



Example for rotation





	Mini	Standard	Mini	Standard
x = 70 mm – 2¾"	Riester 25092-01	Riester 25093-01	Riester 25094-01	Riester 25095-01
x = 90 mm – 3½"	Riester 25092-02	Riester 25093-02	Riester 25094-02	Riester 25095-02
x = 110 mm – 4¼"	Riester 25092-03	Riester 25093-03	Riester 25094-03	Riester 25095-03
x = 130 mm – 5"	Riester 25092-04	Riester 25093-04	Riester 25094-04	Riester 25095-04
	non rotating		*rotating*	

Applying forceps for Yasargil clips

1:2

	Mini	Standard
17 mm – 6¾"		
18 mm – 7"	Riester 25088-18	Riester 25089-18
21 mm – 8¼"		
23 mm – 9"		

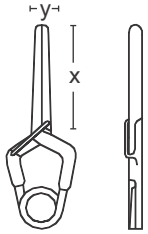
straight, with ratchet

Mini	Standard
Riester 25090-17	Riester 25091-17
Riester 25090-21	Riester 25091-21
Riester 25090-23	Riester 25091-23

bayonett shaped, with ratchet

Aneurysm vessel-clips

Surgery

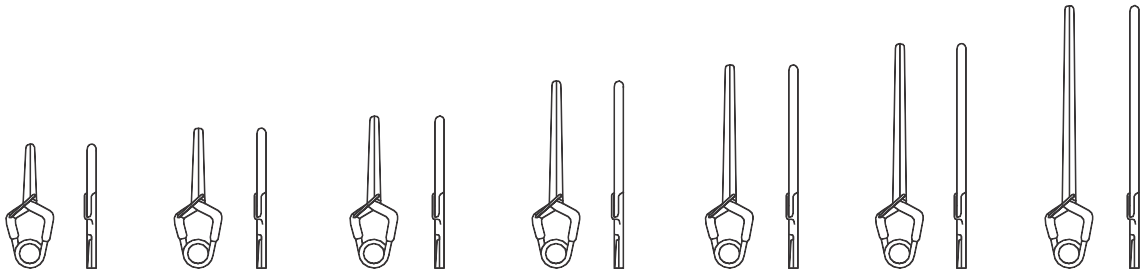


x = Jaw length y = max. Maulöffnung *gms = Pressure*

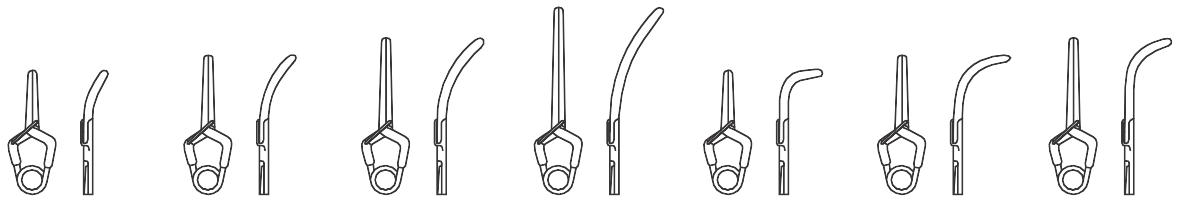
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

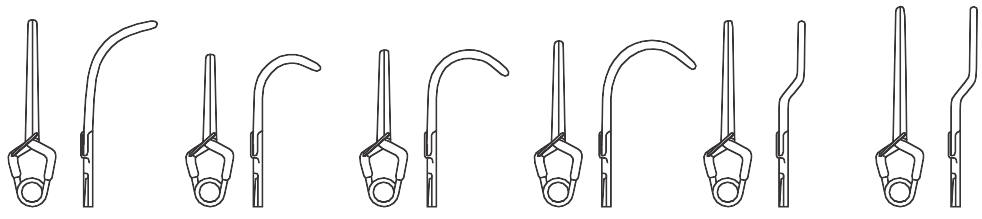
for permanent closure, in high quality implant steel, antimagnetic



x=7.0mm	x=9.0mm	x=11.0mm	x=15.0mm	x=17.0mm	x=20.0mm	x=25.0mm
y=6.2mm	y=7.0mm	y=7.8mm	y=9.2mm	y=10.6mm	y=11.4mm	y=13.3mm
gms=150	gms=180	gms=180	gms=200	gms=200	gms=200	gms=200
Riester 25096-00	**Riester 25097-00**	**Riester 25098-00**	**Riester 25099-00**	**Riester 25100-00**	**Riester 25101-00**	**Riester 25102-00**



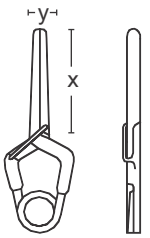
x=7.0mm	x=9.0mm	x=11.0mm	x=15.0mm	x=7.0mm	x=9.0mm	x=11.0mm
y=6.0mm	y=6.8mm	y=7.5mm	y=8.7mm	y=5.5mm	y=6.1mm	y=6.5mm
gms=150	gms=180	gms=180	gms=200	gms=150	gms=180	gms=180
Riester 25103-00	**Riester 25104-00**	**Riester 25105-00**	**Riester 25106-00**	**Riester 25107-00**	**Riester 25108-00**	**Riester 25109-00**



x=15.0mm	x=7.0mm	x=9.0mm	x=11.0mm	x=7.0mm	x=9.0mm
y=7.4mm	y=5.4mm	y=5.8mm	y=6.2mm	y=7.9mm	y=8.7mm
gms=200	gms=180	gms=180	gms=180	gms=200	gms=200
Riester 25110-00	**Riester 25111-00**	**Riester 25112-00**	**Riester 25113-00**	**Riester 25114-00**	**Riester 25115-00**

Aneurysm vessel-clips

Surgery

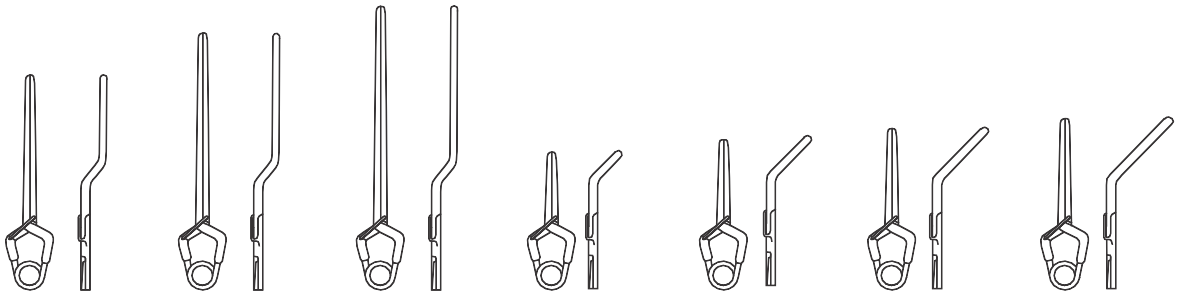


x = Jaw length *y = max. opening* *gms = Pressure*

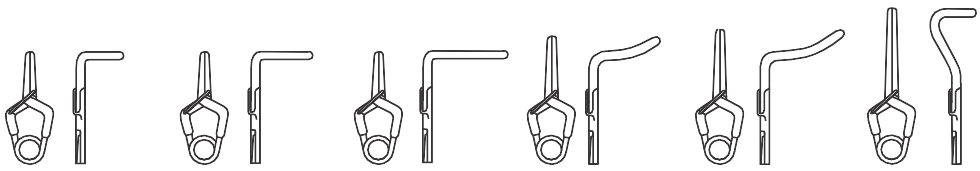
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

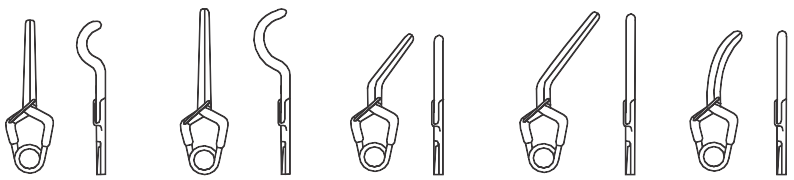
for permanent closure, in high quality implant steel, antimagnetic



x=12.0mm	x=17.0mm	x=20.0mm	x=5.0mm	x=7.0mm	x=9.0mm	x=11.0mm
y=10.2mm	y=11.9mm	y=13.0mm	y=6.2mm	y=6.5mm	y=7.8mm	y=8.4mm
gms=200	gms=180	gms=180	gms=200	gms=200	gms=200	gms=200
Riester 25116-00	**Riester 25117-00**	**Riester 25118-00**	**Riester 25119-00**	**Riester 25120-00**	**Riester 25121-00**	**Riester 25122-00**



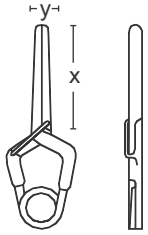
x=5.0mm	x=7.0mm	x=10.0mm	x=8.0mm	x=10.0mm	x=5.0mm
y=5.6mm	y=5.6mm	y=5.6mm	y=5.4mm	y=5.6mm	y=7.2mm
gms=200	gms=200	gms=200	gms=200	gms=200	gms=200
Riester 25123-00	**Riester 25124-00**	**Riester 25125-00**	**Riester 25126-00**	**Riester 25127-00**	**Riester 25128-00**



x=9.0mm	x=11.0mm	x=7.0mm	x=11.0mm	x=9.0mm
y=7.2mm	y=8.2mm	y=5.7mm	y=8.0mm	y=7.0mm
gms=200	gms=200	gms=200	gms=200	gms=200
Riester 25129-00	**Riester 25130-00**	**Riester 25131-00**	**Riester 25132-00**	**Riester 25133-00**

Aneurysm vessel-clips

Surgery

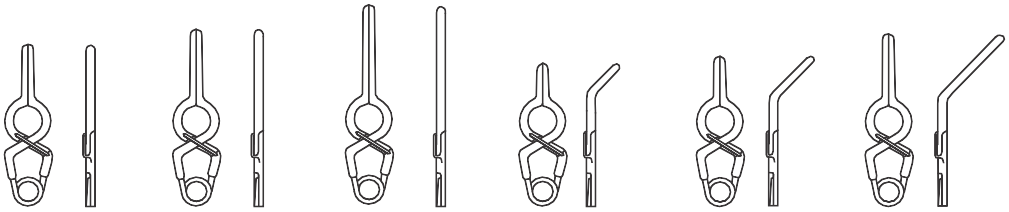


x = Jaw length *y = max. opening* *gms = Pressure*

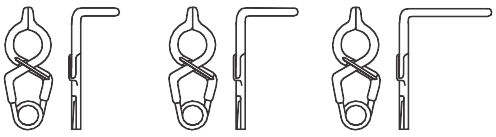
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

for permanent closure, with window 3,5 mm, in high quality implant steel, antimagnetic



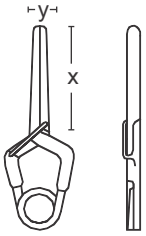
x=7.0mm	x=9.0mm	x=12.0mm	x=5.0mm	x=7.0mm	x=11.0mm
y=7.4mm	y=8.4mm	y=9.6mm	y=5.8mm	y=6.5mm	y=7.2mm
gms=150	gms=150	gms=180	gms=150	gms=150	gms=180
Riester 25134-00	**Riester 25135-00**	**Riester 25136-00**	**Riester 25137-00**	**Riester 25138-00**	**Riester 25139-00**



x=5.0mm	x=7.0mm	x=11.0mm
y=4.9mm	y=4.9mm	y=4.9mm
gms=150	gms=150	gms=180
Riester 25140-00	**Riester 25141-00**	**Riester 25142-00**

Aneurysm vessel-clips

Surgery

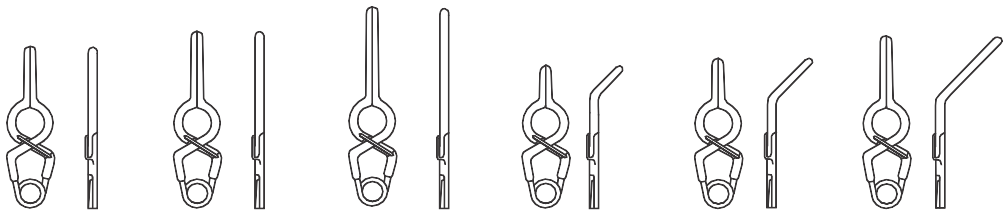


x = Jaw length *y = max. opening* *gms = Pressure*

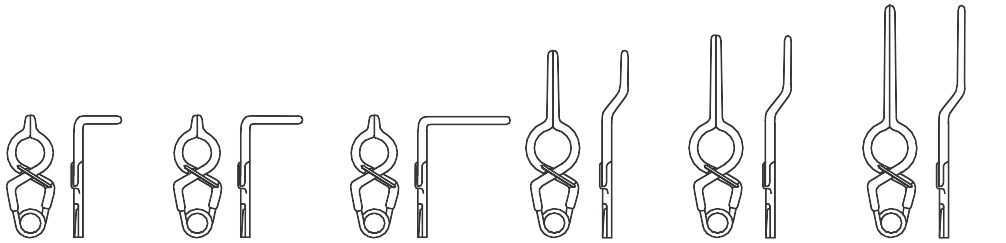
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

for permanent closure, with window 3.5 mm, in high quality implant steel, antimagnetic



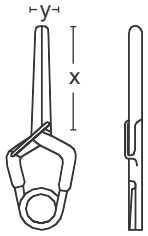
x=7.0mm	x=9.0mm	x=12.0mm	x=5.0mm	x=7.0mm	x=11.0mm
y=7.9mm	y=9.1mm	y=10.3mm	y=6.5mm	y=7.2mm	y=7.8mm
gms=150	gms=150	gms=180	gms=150	gms=150	gms=180
Riester 25143-00	**Riester 25144-00**	**Riester 25145-00**	**Riester 25146-00**	**Riester 25147-00**	**Riester 25148-00**



x=5.0mm	x=7.0mm	x=11.0mm	x=5.0mm	x=7.0mm	x=11.0mm
y=5.5mm	y=5.5mm	y=5.5mm	y=7.9mm	y=8.8mm	y=10.0mm
gms=150	gms=150	gms=180	gms=150	gms=150	gms=180
Riester 25149-00	**Riester 25150-00**	**Riester 25151-00**	**Riester 25152-00**	**Riester 25153-00**	**Riester 25154-00**

Aneurysm vessel-clips

Surgery

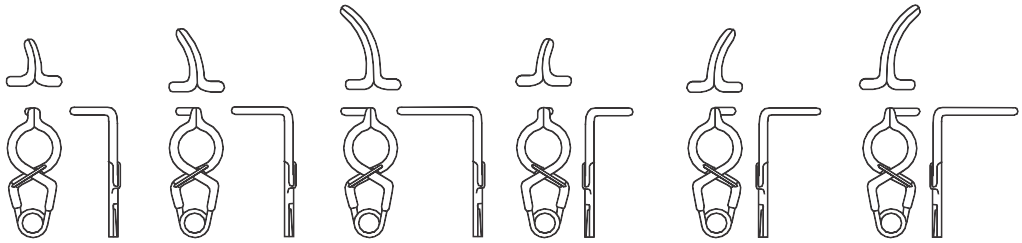


x = Jaw length *y = max. opening* *gms = Pressure*

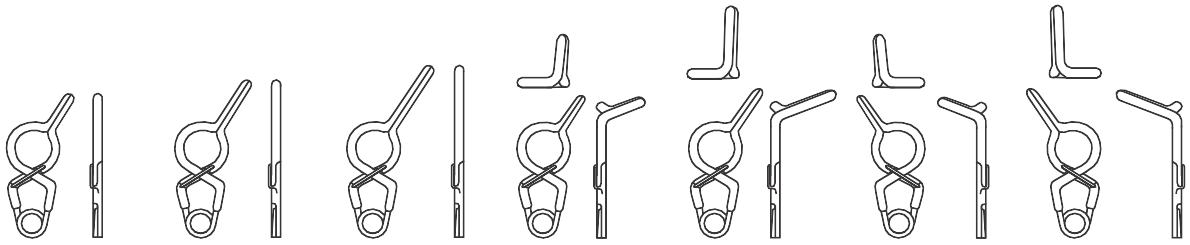
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

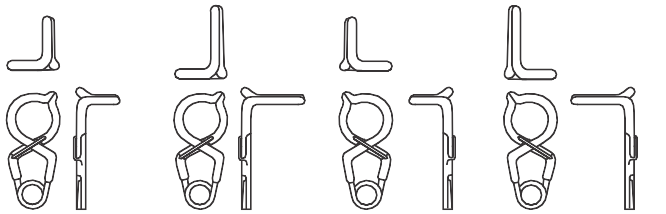
for permanent closure, with window 5.0 mm, in high quality implant steel, antimagnetic



x=5.0mm	x=7.0mm	x=10.0mm	x=5.0mm	x=7.0mm	x=10.0mm
y=5.8mm	y=5.8mm	y=5.8mm	y=5.8mm	y=5.8mm	y=5.8mm
gms=150	gms=150	gms=150	gms=150	gms=150	gms=150
Riester 25155-00	**Riester 25156-00**	**Riester 25157-00**	**Riester 25158-00**	**Riester 25159-00**	**Riester 25160-00**



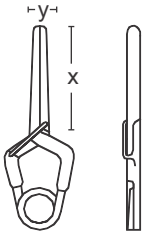
x=5.0mm	x=7.0mm	x=10.0mm	x=5.0mm	x=7.0mm	x=5.0mm	x=7.0mm
y=7,0mm	y=7.8mm	y=8.8mm	y=5.8mm	y=6.2mm	y=5.8mm	y=6.2mm
gms=150	gms=150	gms=150	gms=150	gms=150	gms=150	gms=150
Riester 25161-00	**Riester 25162-00**	**Riester 25163-00**	**Riester 25164-00**	**Riester 25165-00**	**Riester 25166-00**	**Riester 25167-00**



x=5.0mm	x=7.0mm	x=5.0mm	x=7.0mm
y=5.6mm	y=5.6mm	y=5.6mm	y=5.6mm
gms=150	gms=150	gms=150	gms=150
Riester 25168-00	**Riester 25169-00**	**Riester 25170-00**	**Riester 25171-00**

Aneurysm vessel-clips

Surgery

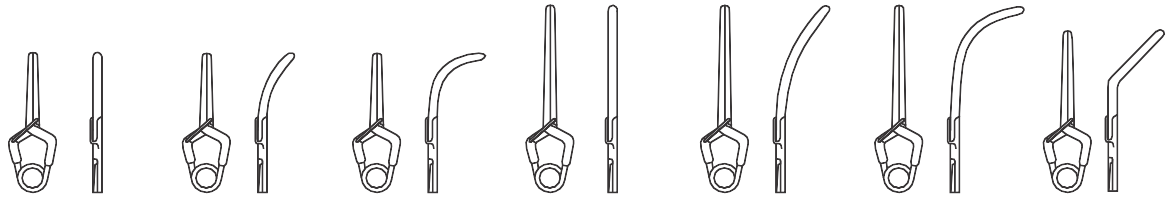


x = Jaw length *y = max. opening* *gms = Pressure*

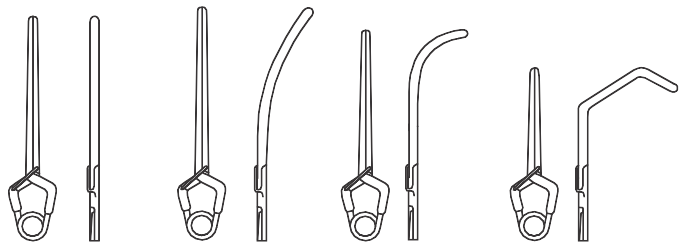
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

for temporary closure, in high quality implant steel, antimagnetic



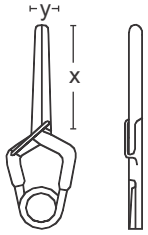
x=9.0mm	x=9.0mm	x=9.0mm	x=15.0mm	x=15.0mm	x=15.0mm	x=9.0mm
y=7,0mm	y=6.8mm	y=6.1mm	y=9.2mm	y=8.7mm	y=7.4mm	y=6.2mm
gms=90	gms=90	gms=110	gms=90	gms=110	gms=110	gms=110
Riester 25172-00	**Riester 25173-00**	**Riester 25174-00**	**Riester 25175-00**	**Riester 25176-00**	**Riester 25177-00**	**Riester 25178-00**



x=20.0mm	x=20.0mm	x=17.0mm	x=13.0mm
y=11.4mm	y=11.0mm	y=9.9mm	y=7.5mm
gms=110	gms=90	gms=90	gms=90
Riester 25179-00	**Riester 25180-00**	**Riester 25181-00**	**Riester 25182-00**

Aneurysm vessel-clips

Surgery

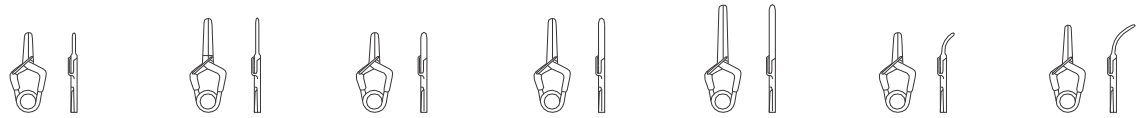


x = Jaw length *y = max. opening* *gms = Pressure*

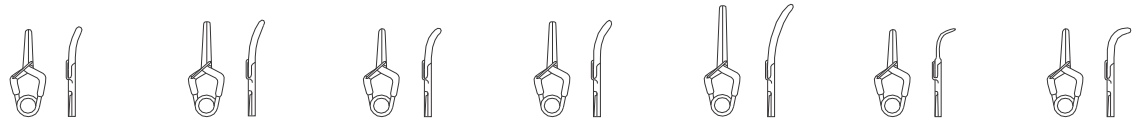
For titanium clips, please add a "T" to the reference number.

Yasargil-Mini

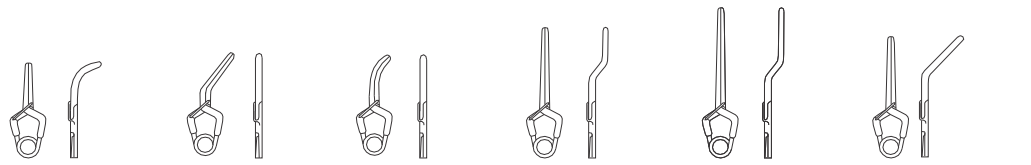
for permanent closure, in high quality implant steel, antimagnetic



x=3.0mm	x=5.0mm	x=3.0mm	x=5.0mm	x=7.0mm	x=3.0mm	x=4.0mm
y=3.3mm	y=4.0mm	y=3.3mm	y=4.0mm	y=4.6mm	y=3.2mm	y=3.8mm
gms=110	gms=110	gms=110	gms=110	gms=110	gms=110	gms=110
Riester 25183-00	**Riester 25184-00**	**Riester 25185-00**	**Riester 25186-00**	**Riester 25187-00**	**Riester 25188-00**	**Riester 25189-00**



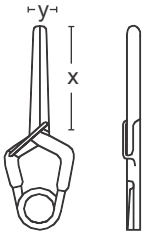
x=4.0mm	x=5.0mm	x=4.0mm	x=5.0mm	x=7.0mm	x=4.0mm	x=4.0mm
y=3.6mm	y=3.8mm	y=3.6mm	y=4.0mm	y=4.4mm	y=3.6mm	y=3.5mm
gms=110	gms=110	gms=110	gms=110	gms=110	gms=110	gms=110
Riester 25190-00	**Riester 25191-00**	**Riester 25192-00**	**Riester 25193-00**	**Riester 25194-00**	**Riester 25195-00**	**Riester 25196-00**



x=5.0mm	x=5.0mm	x=6.0mm	x=4.0mm	x=7.0mm	x=7.0mm
y=4.0mm	y=3.5mm	x=6.0mm	y=7.0mm	y=5.7mm	y=4.5mm
gms=110	gms=130	gms=130	gms=130	gms=130gms	gms=130
Riester 25197-00	**Riester 25198-00**	**Riester 25199-00**	**Riester 25200-00**	**Riester 25201-00**	**Riester 25202-00**

Aneurysm vessel-clips

Surgery

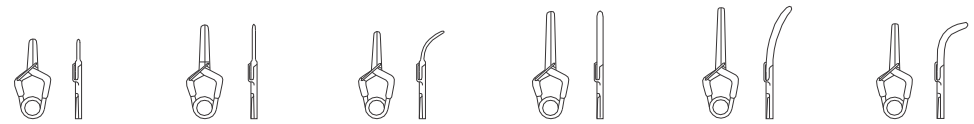


x = Jaw length *y = max. opening* *gms = Pressure*

For titanium clips, please add a "T" to the reference number.

Yasargil-Mini

for temporary closure, in high quality implant steel, antimagnetic



x=3.0mm	x=5.0mm	x=4.0mm	x=7.0mm	x=7.0mm	x=5.0mm
y=3.3mm	y=4.0mm	y=3.8mm	y=4.6mm	y=4.4mm	y=4.0mm
gms=90	gms=70	gms=70	gms=70	gms=70	gms=70
Riester 25203-00	**Riester 25204-00**	**Riester 25205-00**	**Riester 25206-00**	**Riester 25207-00**	**Riester 25208-00**

Scoville
230mm – 9"
x = 8mm
Riester 25236-23

Holsher
240mm – 9½"
x = 7mm
Riester 25237-24

Scoville
200mm – 8"
x = 7mm
Riester 25238-19

Martin
210mm – 8¼"
x = 7mm
Riester 25239-19

1:2

Toennis

1:1

1:1

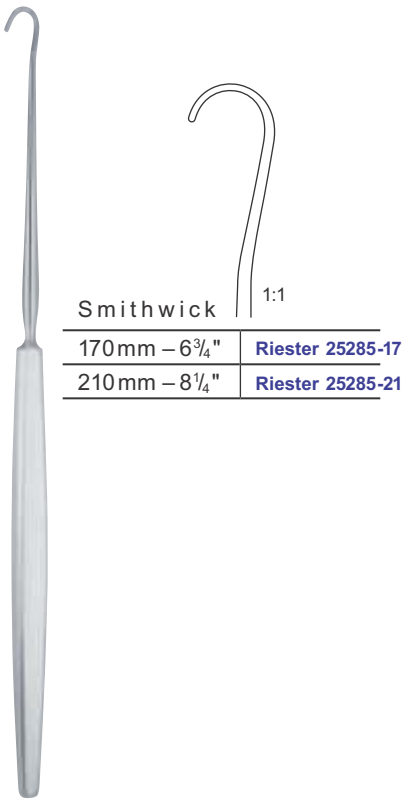
150 mm – 6"	190 mm – 7½"
Riester 25303-13	**Riester 25303-19**

1:2

Halle

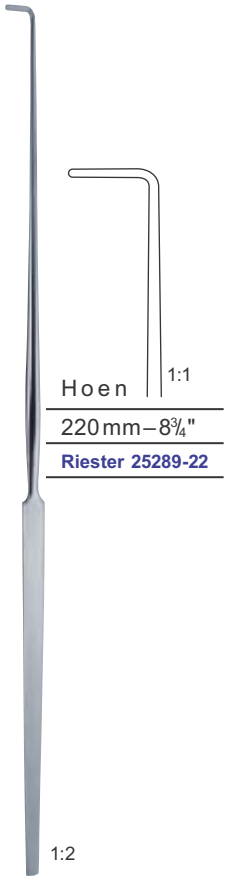
1:1

200 mm – 8"	**Riester 25304-20**



Smithwick 1:1

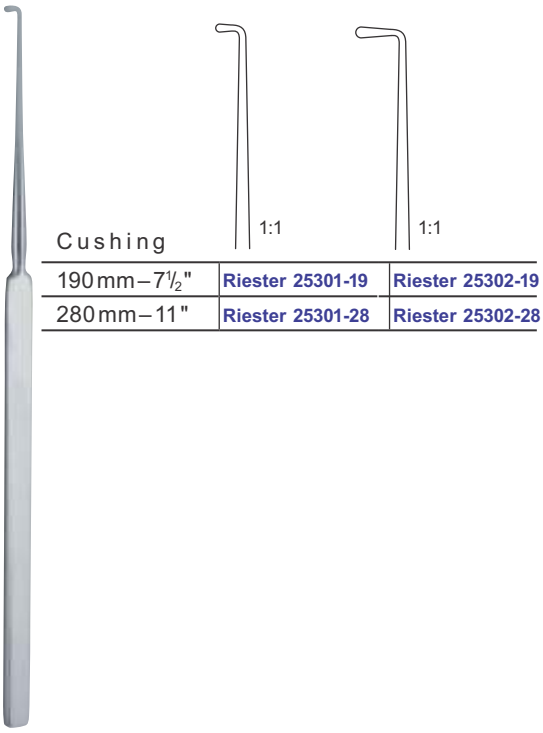
170 mm – 6¾"	Riester 25285-17
210 mm – 8¼"	Riester 25285-21



Hoen 1:1

220 mm – 8¾"
Riester 25289-22

1:2



Cushing 1:1 1:1

190 mm – 7½"	Riester 25301-19	Riester 25302-19
280 mm – 11"	Riester 25301-28	Riester 25302-28

Surgery

Nerve hooks - Dura hooks

Sachs

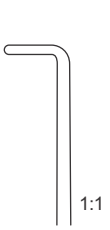
185mm–7¼"
Riester 25305-18

Graham

185mm–7¼"
Riester 25307-18

Frazier

170mm–6¾"
Riester 25309-17



Crile

Fig. 1	Fig. 2
200mm – 8"	200mm – 8"
Riester 25308-01	**Riester 25308-02**

Toennis

150mm – 6"
Riester 25310-15

Dandy

200mm – 8"	**Riester 25315-20**	**Riester 25316-20**	**Riester 25317-20**

Adson

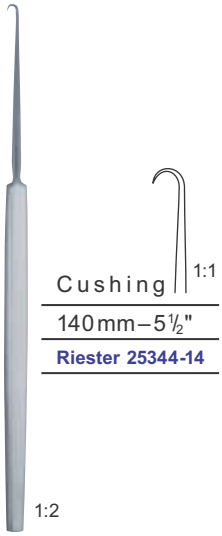
200mm – 8"	**Riester 25320-20**	**Riester 25321-20**

Nerve hooks - Dura hooks

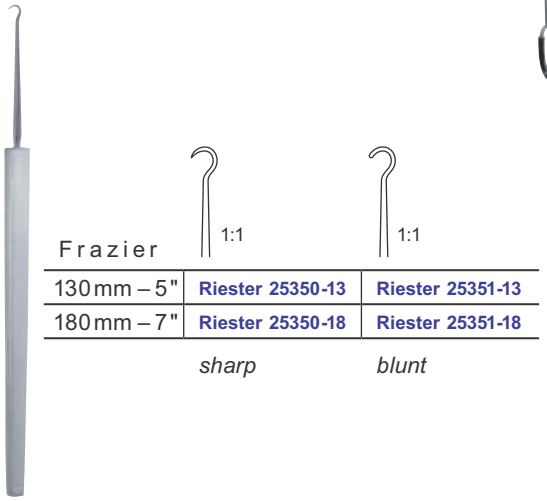
Love			
190mm–7½"	Riester 25325-19	Riester 25326-19	Riester 25327-19

Yasargil	
310mm – 12¼"	Riester 25399-01
410mm – 16¼"	Riester 25399-02

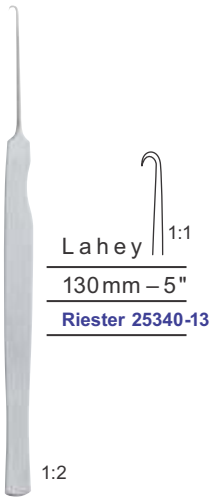
Galeahaken
Galea retractor
Retracteur Galea
Retractor de Galea
Rettrotore di Galea



Cushing
140mm–5½"
Riester 25344-14



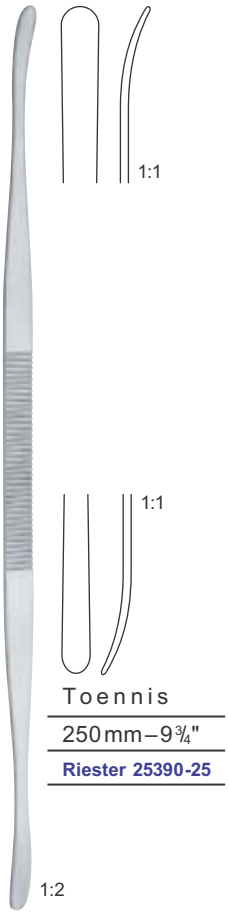
Frazier		
130mm – 5"	Riester 25350-13	Riester 25351-13
180mm – 7"	Riester 25350-18	Riester 25351-18
	sharp	*blunt*



Lahey
130mm – 5"
Riester 25340-13

Dura dissectors

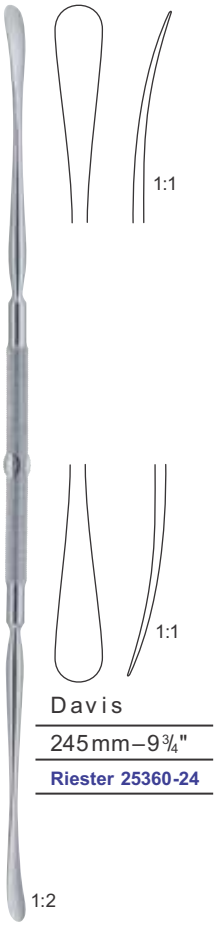
Surgery



Toennis

250 mm – 9¾"

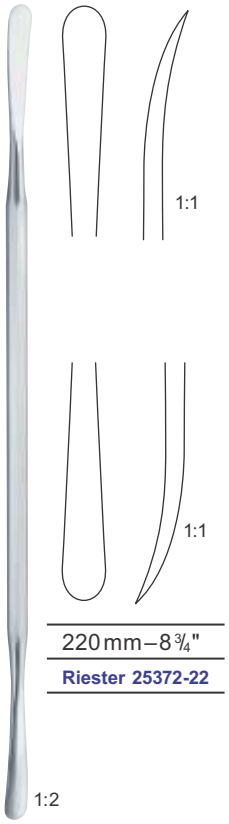
Riester 25390-25



Davis

245 mm – 9¾"

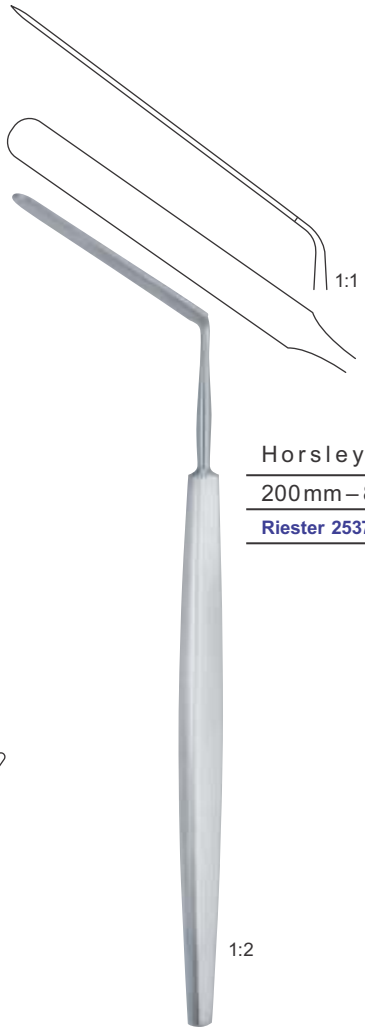
Riester 25360-24



220 mm – 8¾"

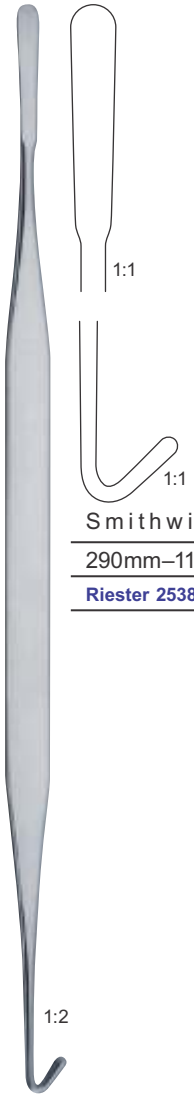
Riester 25372-22

Dura dissectors



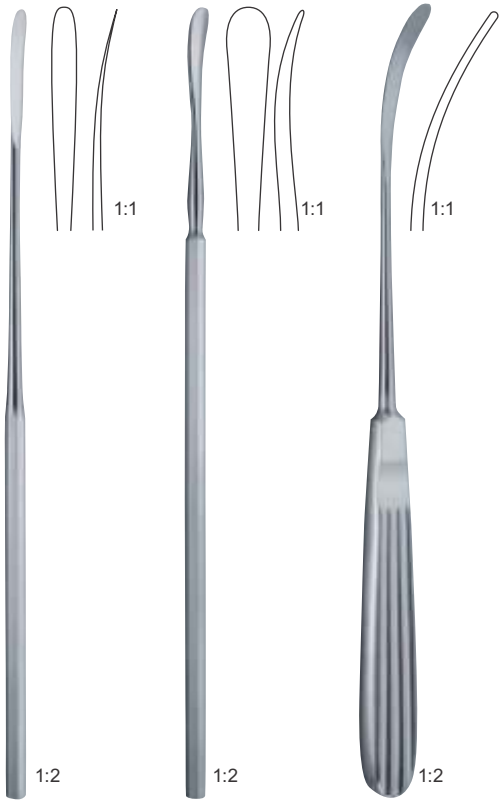
Horsley

200 mm – 8"
Riester 25379-20



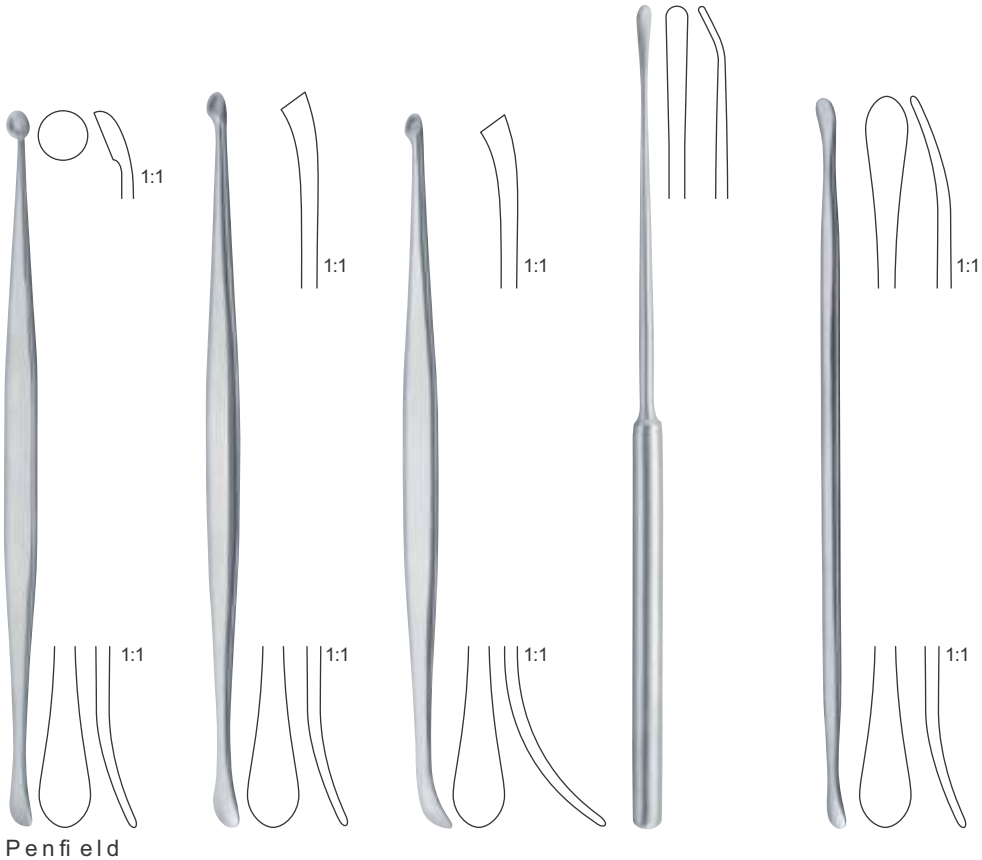
Smithwick

290 mm – 11½"
Riester 25380-29



Sachs

210 mm – 8¼"	Riester 25385-21	Riester 25386-21	Riester 25387-21

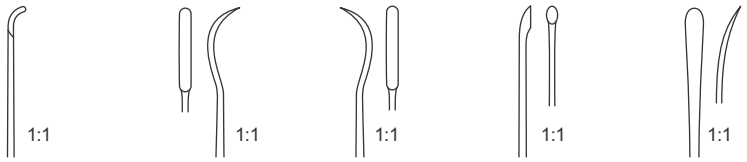


Penfield

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
175 mm – 7"	195 mm – 7¾"	195 mm – 7¾"	215 mm – 8½"	185 mm – 7¼"
Riester 25395-01	**Riester 25395-02**	**Riester 25395-03**	**Riester 25395-04**	**Riester 25395-05**

Neuro-micro dissectors

Surgery



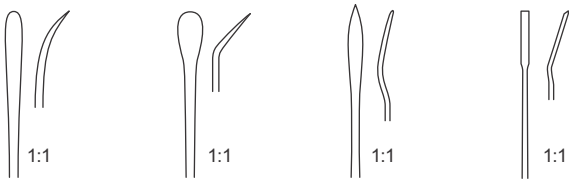
Yasargil

190 mm – 7½"	Riester 25400-01	Riester 25400-02	Riester 25400-03	Riester 25400-04	Riester 25400-05

straight

190 mm – 7½"	Riester 25401-01	Riester 25401-02	Riester 25401-03	Riester 25401-04	Riester 25401-05

bayonet



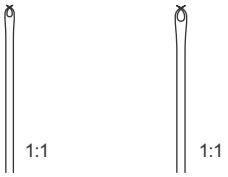
Yasargil

190 mm – 7½"	Riester 25400-06	Riester 25400-07	Riester 25400-08	Riester 25400-09

straight

190 mm – 7½"	Riester 25401-06	Riester 25401-07	Riester 25401-08	Riester 25401-09

bayonet



190 mm – 7½"	Riester 25400-10	Riester 25400-11

straight, with Twist-fixationhook

Neuro-micro dissectors

Surgery

1:1

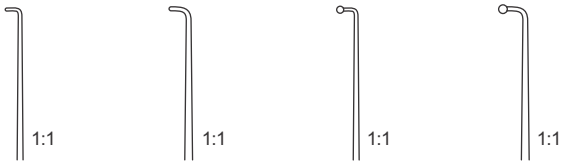
	Kraus	Yasargil	Koos	Koos	Koos
190mm–7½"	**Riester 25410-19**	**Riester 25410-20**	**Riester 25411-16**	**Riester 25411-17**	**Riester 25411-18**

bayonet

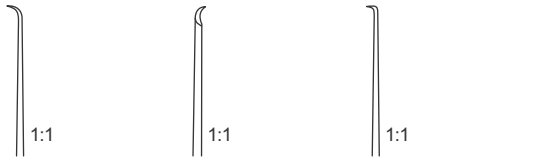
Neuro-micro dissectors

Surgery

Jacobson
190 mm – 7½"
Riester 25405-19



Krayen bühl				
190 mm – 7½"	Riester 25407-01	Riester 25407-02	Riester 25407-03	Riester 25407-04
	without knob		*with knob*	

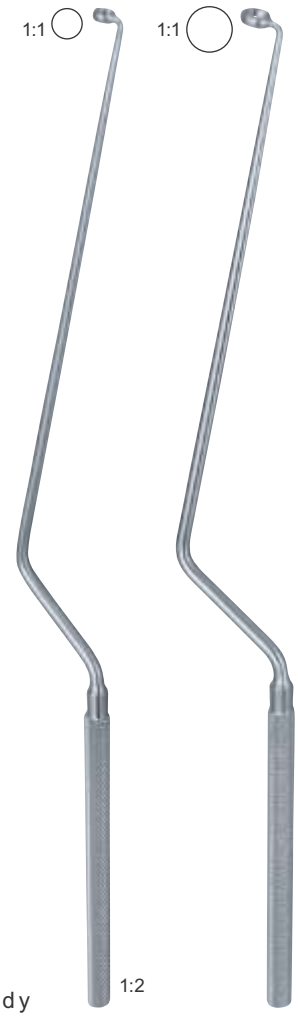


		Jacobson	Fisch
190 mm – 7½"	Riester 25409-19	Riester 25410-15	Riester 25410-18

Hardy

250mm–9¾"	Riester 25430-01	Riester 25430-02	Riester 25430-03	Riester 25430-04

bayonet, sharp inner edge



Hardy

	4mm Ø	6mm Ø
270mm–10¾"	Riester 25435-01	Riester 25435-02

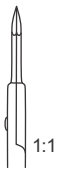
bayonet, malleable

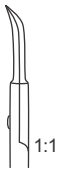
Vannas

80 mm – 3¼"	Riester 9282-08	Riester 9283-08

Vannas-blade

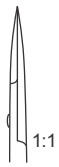
120 mm – 4¾"	Riester 25753-01	Riester 25753-02
Blade 10 mm, sharp	*straight*	*curved*

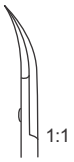


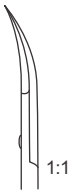


120 mm – 4¾"	Riester 25753-03	Riester 25753-04	Riester 25753-05
Vannas-blade	*straight*	*curved*	*angled up*

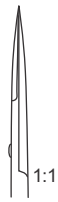
120 mm – 4¾"	Riester 25753-06
Vein-blade (Biemer)	*straight*

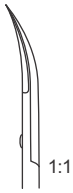




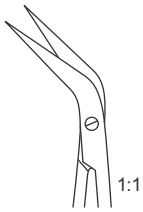


150 mm – 6"	**Riester 25670-15**	**Riester 25671-15**	**Riester 25672-15**	**Riester 25673-15**
	straight, short blades	*curved, short blades*	*straight, long blades*	*curved, long blades*



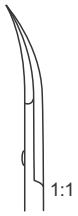


150 mm – 6"	**Riester 25678-15**	**Riester 25679-15**
	straight, saw edge	*curved, saw edge*

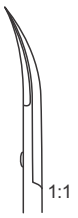


150 mm – 6"	**Riester 25675-15**
180 mm – 7"	**Riester 25677-18**

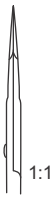
angled on flat, 45°

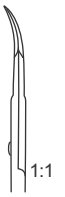


120 mm – 4¾"	**Riester 25751-01**	**Riester 25751-02**
Long blades 14 mm, smooth, sharp	*straight*	*curved*

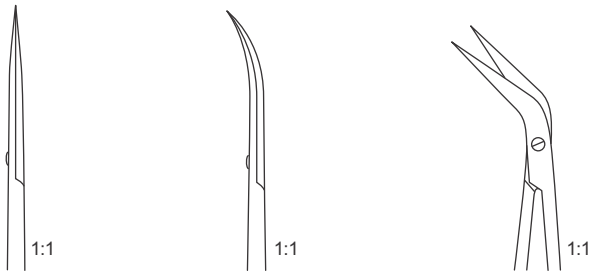


120 mm – 4¾"	**Riester 25751-03**	**Riester 25751-04**
Long blades 14 mm, sharp	*straight, saw edge*	*curved, saw edge*





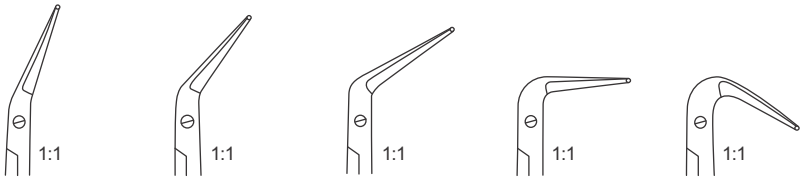
145 mm – 5¾"	**Riester 25751-05**	**Riester 25751-06**
Vannas-blades, smooth, sharp	*straight*	*curved*



Yasargil

185 mm – 7¼"	Riester 25500-18	Riester 25501-18	Riester 25502-18
	straight	*curved*	*angled on flat*

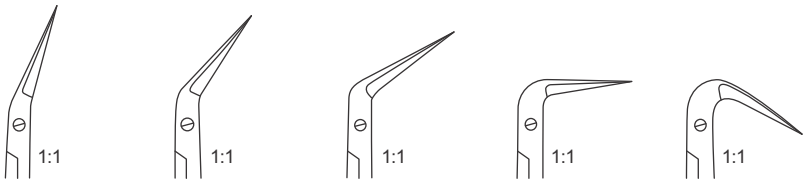
Yasargil



	25°	45°	60°	90°	125°
170 mm – 6¾"	**Riester 25754-25**	**Riester 25754-45**	**Riester 25754-60**	**Riester 25754-90**	**Riester 25754-12**

with ball

Yasargil

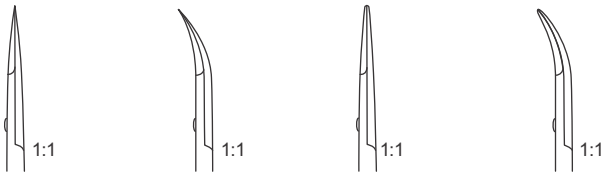


	25°	45°	60°	90°	125°
170 mm – 6¾"	**Riester 25755-25**	**Riester 25755-45**	**Riester 25755-60**	**Riester 25755-90**	**Riester 25755-12**

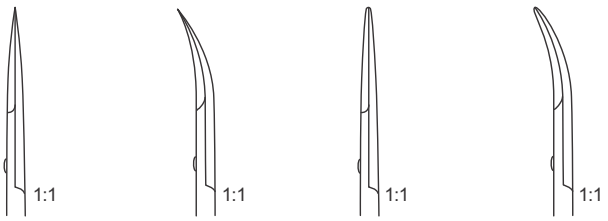
without ball

Micro dessecting scissors

Surgery



145 mm – 5¾"	Riester 25602-01	Riester 25603-01	Riester 25602-02	Riester 25603-02
180 mm – 7"	Riester 25610-01	Riester 25611-01	Riester 25610-02	Riester 25611-02
short blades 8 mm, smooth	*straight, sharp*	*curved, sharp*	*straight, blunt*	*curved, blunt*



145 mm – 5¾"	Riester 25602-03	Riester 25603-03	Riester 25602-04	Riester 25603-04
180 mm – 7"	Riester 25610-03	Riester 25611-03	Riester 25610-04	Riester 25611-04
long blades 14 mm, smooth	*straight, sharp*	*curved, sharp*	*straight, blunt*	*curved, blunt*

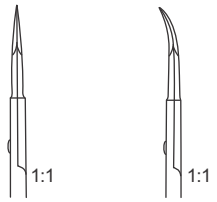
Micro scissors with round handle

Surgery

Vannas

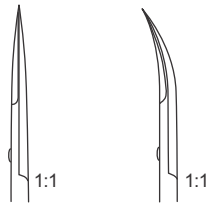
	7 mm Ø	7 mm Ø
120 mm – 5"	Riester 25612-12	Riester 25613-12

Vannas



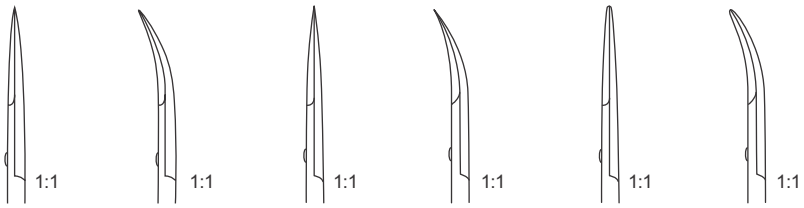
	8 mm Ø	8 mm Ø
150 mm – 6"	Riester 25600-15	Riester 25601-15

Castroviejo



	8 mm Ø	8 mm Ø
150 mm – 6"	Riester 25610-15	Riester 25611-15

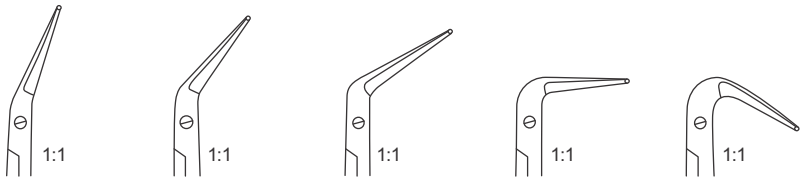
Micro scissors with round handle



	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"
8 mm Ø	**Riester 25606-18**	**Riester 25607-18**				
10 mm Ø	**Riester 25602-18**	**Riester 25603-18**	**Riester 25618-18**	**Riester 25619-18**	**Riester 25620-18**	**Riester 25621-18**

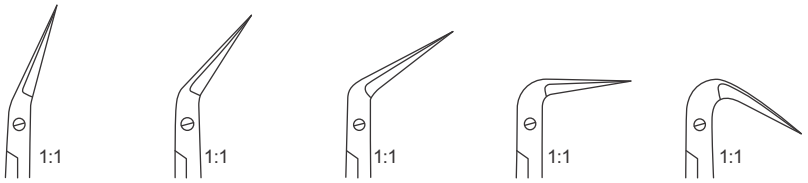
Micro scissors with round handle

1:1



8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**Riester 25758-25**	**Riester 25758-45**	**Riester 25758-60**	**Riester 25758-90**	**Riester 25758-12**

Blade 10 mm, with ball, sharp

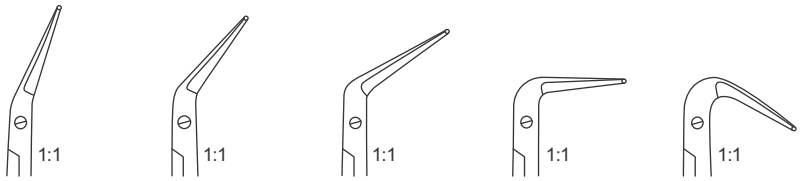


8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**Riester 25759-25**	**Riester 25759-45**	**Riester 25759-60**	**Riester 25759-90**	**Riester 25759-12**

Blade 10 mm, without ball, sharp

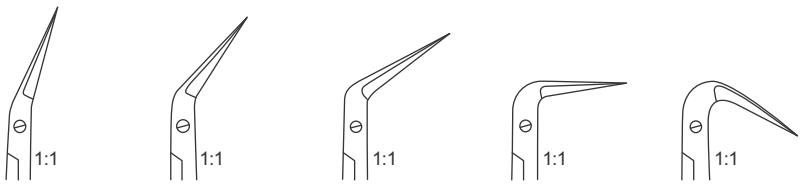
90° twisted

Micro scissors with round handle



8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**Riester 25756-25**	**Riester 25756-45**	**Riester 25756-60**	**Riester 25756-90**	**Riester 25756-12**

with ball

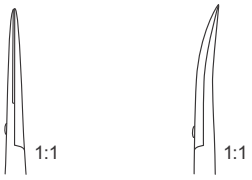


8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**Riester 25757-25**	**Riester 25757-45**	**Riester 25757-60**	**Riester 25757-90**	**Riester 25757-12**

without ball

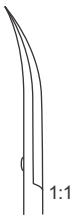
Micro scissors with round handle

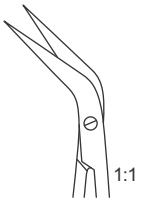
Surgery



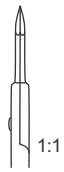
	9mm Ø	9mm Ø
150mm – 6"	**Riester 25680-15**	**Riester 25681-15**

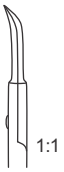
Jacobson





160 mm – 6¼"	**Riester 25521-16**	**Riester 25522-16**	**Riester 25520-16**
180 mm – 7"	**Riester 25521-18**	**Riester 25522-18**	**Riester 25520-18**
	straight	*curved*	*angled, 45°*

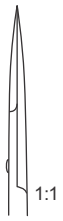




160 mm – 6¼"	**Riester 25526-16**	**Riester 25527-16**
180 mm – 7"	**Riester 25526-18**	**Riester 25527-18**

Vannas blade

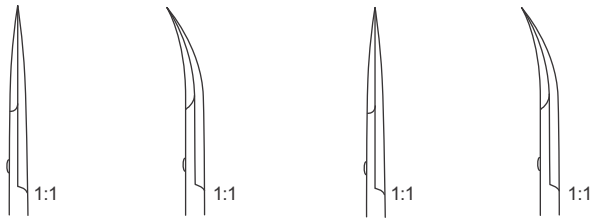
Yasargil-mod.



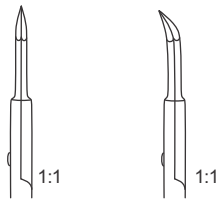
180 mm – 7"	**Riester 25556-18**	**Riester 25557-18**
225 mm – 8¾"	**Riester 25556-22**	**Riester 25557-22**

220 mm – 8¾"	**Riester 25558-22**	**Riester 25559-22**

Vannas blade

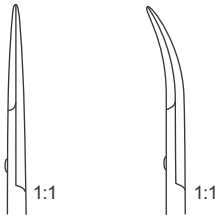


200 mm – 8"	**Riester 25760-01**	**Riester 25760-02**	**Riester 25760-03**	**Riester 25760-04**
225 mm – 8¾"	**Riester 25761-01**	**Riester 25761-02**	**Riester 25761-03**	**Riester 25761-04**
Blade smooth, sharp	*straight*	*curved*	*straight, saw edge*	*curved, saw edge*



200 mm – 8"	**Riester 25760-05**	**Riester 25760-06**
225 mm – 8¾"	**Riester 25761-05**	**Riester 25761-06**

Vannas blade

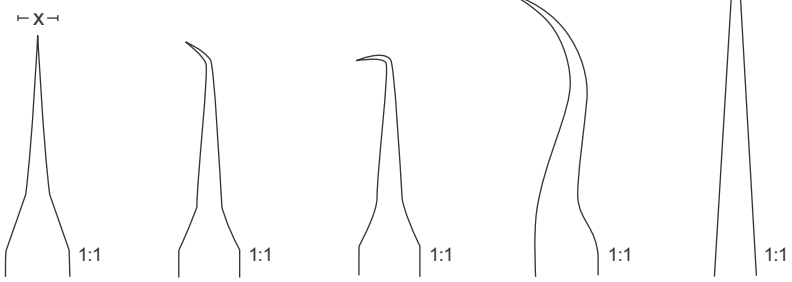


200 mm – 8"	**Riester 25760-07**	**Riester 25760-08**
225 mm – 8¾"	**Riester 25761-07**	**Riester 25761-08**

Dissector blade, blunt

Fixation forceps - Vascular dilators

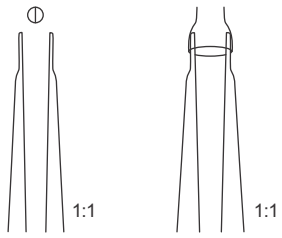
Typ Juwelier



x = 0.2 mm	x = 0.3 mm	x = 0.3 mm	x = 0.2 mm	x = 0.3 mm
110 mm – 4 1/4"	110 mm – 4 1/4"	110 mm – 4 1/4"	120 mm – 4 3/4"	120 mm – 4 3/4"
Riester 26001-11	**Riester 26002-11**	**Riester 26003-11**	**Riester 26005-12**	**Riester 26006-13**

Pierse

120 mm – 4 3/4"	**Riester 26009-12**
135 mm – 5 1/4"	**Riester 26009-13**

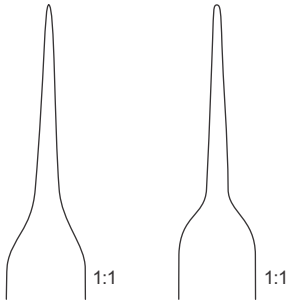


	x = 0.2 mm	x = 0.3 mm
110 mm – 4 1/4"	**Riester 26015-02**	**Riester 26015-03**

very fine

Micro suture tying forceps

Surgery

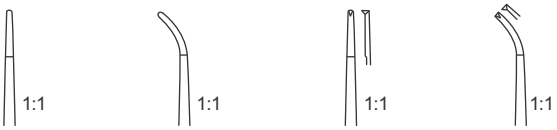


Lazar

	0.5mm	0.8mm
155mm – 6"	**Riester 26016-01**	**Riester 26016-02**

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**Riester 25695-01**	**Riester 25695-02**	**Riester 25695-05**	**Riester 25695-06**
Tying platform 6.0 mm x 0.4 mm, smooth			1x2	1x2

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**Riester 25695-09**	**Riester 25695-10**	**Riester 25695-13**	**Riester 25695-14**
Tying platform 6.0 mm x 0.4 mm, diamond coated			1x2	1x2



	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**Riester 25695-03**	**Riester 25695-04**	**Riester 25695-07**	**Riester 25695-08**
Tying platform 6.0 mm x 0.8 mm, smooth			1x2	1x2

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**Riester 25695-11**	**Riester 25695-12**	**Riester 25695-15**	**Riester 25695-16**
Tying platform 6.0 mm x 0.8 mm, diamond coated			1x2	1x2

8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**Riester 25686-01**	**Riester 25686-02**	**Riester 25686-03**	**Riester 25686-04**
180 mm – 7"	**Riester 25687-01**	**Riester 25687-02**	**Riester 25687-03**	**Riester 25687-04**
210 mm – 8¼"	**Riester 25688-01**	**Riester 25688-02**	**Riester 25688-03**	**Riester 25688-04**
230 mm – 9"	**Riester 25689-01**	**Riester 25689-02**	**Riester 25689-03**	**Riester 25689-04**

Jaw smooth

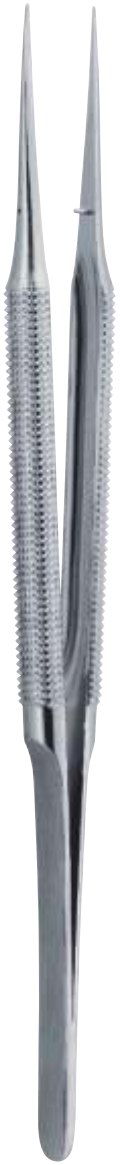
8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**Riester 25686-05**	**Riester 25686-06**	**Riester 25686-09**	**Riester 25686-10**
180 mm – 7"	**Riester 25687-05**	**Riester 25687-06**	**Riester 25687-09**	**Riester 25687-10**
210 mm – 8¼"	**Riester 25688-05**	**Riester 25688-06**	**Riester 25688-09**	**Riester 25688-10**
230 mm – 9"	**Riester 25689-05**	**Riester 25689-06**	**Riester 25689-09**	**Riester 25689-10**

Tying platform 6.0 mm x 0.3 mm, smooth 1x2 1x2

8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**Riester 25686-07**	**Riester 25686-08**	**Riester 25686-11**	**Riester 25686-12**
180 mm – 7"	**Riester 25687-07**	**Riester 25687-08**	**Riester 25687-11**	**Riester 25687-12**
210 mm – 8¼"	**Riester 25688-07**	**Riester 25688-08**	**Riester 25688-11**	**Riester 25688-12**
230 mm – 9"	**Riester 25689-07**	**Riester 25689-08**	**Riester 25689-11**	**Riester 25689-12**

Tying platform 6.0 mm x 0.7 mm, smooth 1x2 1x2

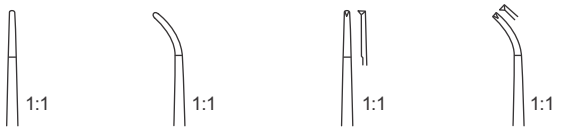
diamantiert



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**Riester 25686-13**	**Riester 25686-14**	**Riester 25686-15**	**Riester 25686-16**
180 mm – 7"	**Riester 25687-13**	**Riester 25687-14**	**Riester 25687-15**	**Riester 25687-16**
210 mm – 8¼"	**Riester 25688-13**	**Riester 25688-14**	**Riester 25688-15**	**Riester 25688-16**
230 mm – 9"	**Riester 25689-13**	**Riester 25689-14**	**Riester 25689-15**	**Riester 25689-16**

diamond coated

8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**Riester 25686-17**	**Riester 25686-18**	**Riester 25686-21**	**Riester 25686-22**
180 mm – 7"	**Riester 25687-17**	**Riester 25687-18**	**Riester 25687-21**	**Riester 25687-22**
210 mm – 8¼"	**Riester 25688-17**	**Riester 25688-18**	**Riester 25688-21**	**Riester 25688-22**
230 mm – 9"	**Riester 25689-17**	**Riester 25689-18**	**Riester 25689-21**	**Riester 25689-22**
Tying platform 6.0 mm x 0.3 mm, diamond coated	1x2			1x2



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**Riester 25686-19**	**Riester 25686-20**	**Riester 25686-23**	**Riester 25686-24**
180 mm – 7"	**Riester 25687-19**	**Riester 25687-20**	**Riester 25687-23**	**Riester 25687-24**
210 mm – 8¼"	**Riester 25688-19**	**Riester 25688-20**	**Riester 25688-23**	**Riester 25688-24**
230 mm – 9"	**Riester 25689-19**	**Riester 25689-20**	**Riester 25689-23**	**Riester 25689-24**
Tying platform 6.0 mm x 0.7 mm, diamond coated	1x2			1x2

Jacobson

160 mm – 6 ¼"	**Riester 25733-01**	**Riester 25733-02**	**Riester 25733-03**	**Riester 25733-04**
180 mm – 7"	**Riester 25734-01**	**Riester 25734-02**	**Riester 25734-03**	**Riester 25734-04**
	straight, sharp	*straight, blunt*	*angled, sharp*	*angled, blunt*

160 mm – 6 ¼"	**Riester 25733-05**	**Riester 25733-06**	**Riester 25733-07**	**Riester 25733-08**
180 mm – 7"	**Riester 25734-05**	**Riester 25734-06**	**Riester 25734-07**	**Riester 25734-08**
diamond coated	*straight, sharp*	*straight, blunt*	*angled, sharp*	*angled, blunt*

Micro forceps

Surgery

Yasargil

	225 mm – 8 ¾"	225 mm – 8 ¾"	225 mm – 8 ¾"
3.0 mm	**Riester 25580-03**	**Riester 25581-03**	**Riester 25582-03**
5.0 mm	**Riester 25580-05**	**Riester 25581-05**	**Riester 25582-05**
	spoon form	*plan toothed*	*curette form*

Micro forceps

1:1

200 mm – 8"	**Riester 25732-05**	**Riester 25732-06**	**Riester 25732-07**	**Riester 25732-08**
225 mm – 8¾"	**Riester 25732-13**	**Riester 25732-14**	**Riester 25732-15**	**Riester 25732-16**
diamond coated	*straight, sharp*	*straight, blunt*	*angled, sharp*	*angled, blunt*

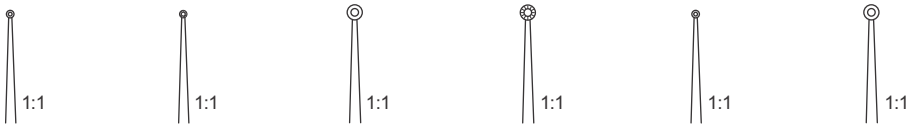
225 mm – 8¾"	**Riester 25876-22 Titan**	**Riester 25877-22 Titan**
	straight, sharp	*straight, blunt*

200 mm – 8"	**Riester 25732-03**	**Riester 25732-04**
225 mm – 8¾"	**Riester 25732-11**	**Riester 25732-12**
	angled, sharp	*angled, blunt*

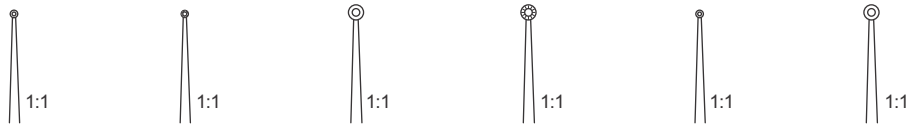
Micro-forceps with round handle

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm – 8¼"	**Riester 25730-01**	**Riester 25730-02**	**Riester 25730-03**	**Riester 25730-04**
230 mm – 9"	**Riester 25730-09**	**Riester 25730-10**	**Riester 25730-11**	**Riester 25730-12**
	straight, sharp	*straight, blunt*	*angled, sharp*	*angled, blunt*

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm – 8¼"	**Riester 25730-05**	**Riester 25730-06**	**Riester 25730-07**	**Riester 25730-08**
230 mm – 9"	**Riester 25730-13**	**Riester 25730-14**	**Riester 25730-15**	**Riester 25730-16**
diamond coated	*straight, sharp*	*straight, blunt*	*angled, sharp*	*angled, blunt*



9 mm Ø	1.0 x 0.5 mm	1.0 x 0.5 mm	2.0 x 1.0 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm – 6"	**Riester 25698-01**	**Riester 25698-02**	**Riester 25698-03**	**Riester 25698-04**	**Riester 25698-05**	**Riester 25698-06**
180 mm – 7"	**Riester 25698-07**	**Riester 25698-08**	**Riester 25698-09**	**Riester 25698-10**	**Riester 25698-11**	**Riester 25698-12**
210 mm – 8¼"	**Riester 25699-01**	**Riester 25699-02**	**Riester 25699-03**	**Riester 25699-04**	**Riester 25699-05**	**Riester 25699-06**
230 mm – 9"	**Riester 25699-07**	**Riester 25699-08**	**Riester 25699-09**	**Riester 25699-10**	**Riester 25699-11**	**Riester 25699-12**
	smooth	*slightly serrated*	*smooth*	*slightly serrated*	*diamond coated*	*diamond coated*



9 mm Ø	1.0 x 0.5 mm	1.0 x 0.5 mm	2.0 x 1.0 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm – 6"	**Riester 25696-01**	**Riester 25696-02**	**Riester 25696-03**	**Riester 25696-04**	**Riester 25696-05**	**Riester 25696-06**
180 mm – 7"	**Riester 25696-07**	**Riester 25696-08**	**Riester 25696-09**	**Riester 25696-10**	**Riester 25696-11**	**Riester 25696-12**
210 mm – 8¼"	**Riester 25697-01**	**Riester 25697-02**	**Riester 25697-03**	**Riester 25697-04**	**Riester 25697-05**	**Riester 25697-06**
230 mm – 9"	**Riester 25697-07**	**Riester 25697-08**	**Riester 25697-09**	**Riester 25697-10**	**Riester 25697-11**	**Riester 25697-12**
	smooth	*slightly serrated*	*smooth*	*slightly serrated*	*diamond coated*	*diamond coated*

Micro ring forceps

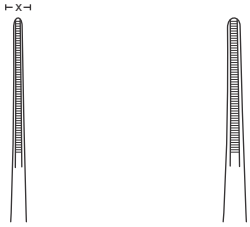
9 mm Ø	1.0 mm x 0.5 mm	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm	2.0 mm x 1.0 mm
210 mm – 8¼"	**Riester 25731-01**	**Riester 25731-02**	**Riester 25731-03**	**Riester 25731-04**
230 mm – 9"	**Riester 25731-07**	**Riester 25731-08**	**Riester 25731-09**	**Riester 25731-10**
	smooth	*serrated*	*smooth*	*serrated*

9 mm Ø	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm
210 mm – 8¼"	**Riester 25731-05**	**Riester 25731-06**
230 mm – 9"	**Riester 25731-11**	**Riester 25731-12**

diamond coated

Atraumatic micro forceps

Surgery



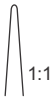
	x = 1.2 mm	x = 2.0 mm	x = 1.2 mm	x = 2.0 mm
150 mm – 6"	**Riester 25690-01**	**Riester 25690-02**	**Riester 25690-03**	**Riester 25690-04**
180 mm – 7"	**Riester 25690-05**	**Riester 25690-06**	**Riester 25690-07**	**Riester 25690-08**
210 mm – 8¼"	**Riester 25690-09**	**Riester 25690-10**	**Riester 25690-11**	**Riester 25690-12**
230 mm – 9"	**Riester 25690-13**	**Riester 25690-14**	**Riester 25690-15**	**Riester 25690-16**
	straight	*straight*	*angled*	*angled*

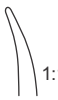

1:1

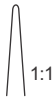
Castroviejo	 1:1	 1:1	 1:1	 1:1
x = 11.0 mm x 0.75 mm				
140 mm – 5½"	**Riester 40910-14**	**Riester 40911-14**	**Riester 40912-14**	**Riester 40913-14**
without ratchet, fine jaws	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

x = 11.0 mm x 0.75 mm				
140 mm – 5½"	**Riester 40915-14**	**Riester 40917-14**	**Riester 40918-14**	**Riester 40919-14**
with ratchet, fine jaws	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

Jacobson







	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	**Riester 25740-01**	**Riester 25740-02**	**Riester 25740-13**	**Riester 25740-14**
without ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	**Riester 25740-03**	**Riester 25740-04**	**Riester 25740-15**	**Riester 25740-16**
with ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	**Riester 25740-05 tucar**	**Riester 25740-06 tucar**	**Riester 25740-09 tucar**	**Riester 25740-10 tucar**
without ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

180 mm – 7"	**Riester 25740-07 tucar**	**Riester 25740-08 tucar**	**Riester 25740-11 tucar**	**Riester 25740-12 tucar**
1 mm				
with ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

Micro needle holders

Surgery

Yasargil	1:1	1:1	1:1	1:1
180 mm – 7"	**Riester 25512-18**	**Riester 25513-18**	**Riester 25514-18**	**Riester 25515-18**
200 mm – 8"	**Riester 25512-20**	**Riester 25513-20**	**Riester 25514-20**	**Riester 25515-20**
without ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

180 mm – 7"	**Riester 25510-18**	**Riester 25511-18**	**Riester 25516-18**	**Riester 25517-18**
200 mm – 8"	**Riester 25510-20**	**Riester 25511-20**	**Riester 25516-20**	**Riester 25517-20**
with ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

Micro needle holders with round handle

Surgery

Yasargil

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	Riester 25623-01	Riester 25623-02	Riester 25623-13	Riester 25623-14
without ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	Riester 25623-03	Riester 25623-04	Riester 25623-15	Riester 25623-16
with ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	Riester 25623-05 tucar	Riester 25623-06 tucar	Riester 25623-09 tucar	Riester 25623-10 tucar
without ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

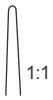
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	Riester 25623-07 tucar	Riester 25623-08 tucar	Riester 25623-11 tucar	Riester 25623-12 tucar
with ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

On request also available with stronger jaw 1.5 mm – 2.0 mm.

Micro needle holders with round handle

Surgery

Yasargil



	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**Riester 25623-01**	**Riester 25623-02**	**Riester 25623-13**	**Riester 25623-14**
without ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**Riester 25623-03**	**Riester 25623-04**	**Riester 25623-15**	**Riester 25623-16**
with ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**Riester 25623-05 tucar**	**Riester 25623-06 tucar**	**Riester 25623-09 tucar**	**Riester 25623-10 tucar**
without ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**Riester 25623-07 tucar**	**Riester 25623-08 tucar**	**Riester 25623-11 tucar**	**Riester 25623-12 tucar**
with ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

On request also available with stronger jaw 1.5 mm – 2.0 mm.

Micro needle holders with round handle

		1:1	1:1
110 mm – 4¼"	8 mm Ø	Riester 25637-11	Riester 25638-11
125 mm – 5"	7 mm Ø	Riester 25654-12	Riester 25655-12
130 mm – 5"	8 mm Ø	Riester 25658-13	Riester 25659-13
130 mm – 5"	10 mm Ø	Riester 25652-13	Riester 25653-13
150 mm – 6"	8 mm Ø	Riester 25640-15	Riester 25641-15
180 mm – 7"	8 mm Ø	Riester 25664-18	Riester 25665-18
180 mm – 7"	10 mm Ø	Riester 25668-18	Riester 25669-18
without ratchet		*straight*	*curved*

110 mm – 4¼"	8 mm Ø	Riester 25635-11	Riester 25636-11
125 mm – 5"	7 mm Ø	Riester 25656-12	Riester 25657-12
130 mm – 5"	8 mm Ø	Riester 25662-13	Riester 25663-13
130 mm – 5"	10 mm Ø	Riester 25645-13	Riester 25646-13
150 mm – 6"	8 mm Ø	Riester 25642-15	Riester 25643-15
180 mm – 7"	8 mm Ø	Riester 25666-18	Riester 25667-18
180 mm – 7"	10 mm Ø	Riester 25670-18	Riester 25671-18
with ratchet		*straight*	*curved*

Micro needle holders with round handle

Barraquer		1:1	1:1	1:1	1:1
140 mm – 5½"	8 mm Ø	**Riester 25622-01**	**Riester 25622-02**	**Riester 25622-05**	**Riester 25622-06**
without ratchet, extra delicate jaws		*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

140 mm – 5½"	8 mm Ø	**Riester 25622-03**	**Riester 25622-04**	**Riester 25622-07**	**Riester 25622-08**
with ratchet, extra delicate jaws		*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

Micro needle holder

150 mm – 6"	9 mm Ø	Riester 25685-15

without ratchet, curved

Micro needle holder

	0.3 mm x 0.4 mm	0.3 mm x 0.4 mm
180 mm – 7"	**Riester 25685-07**	**Riester 25685-08**

Titanium, with ratchet

	0.8 mm x 0.8 mm	0.8 mm x 0.8 mm
185 mm – 7 1/4"	**Riester 25685-09**	**Riester 25685-10**

Titanium, with ratchet

Micro needle holder

Surgery

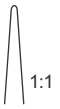
	0.5mmx0.8mm	0.5mmx0.8mm
200mm – 8"	**Riester 25685-11**	**Riester 25685-12**

Titanium, with ratchet

	0.4x0.6mm	0.4x0.6mm	0.6x0.6mm	0.6x0.6mm
200mm – 8"	**Riester 25685-13**	**Riester 25685-14**	**Riester 25685-15**	**Riester 25685-16**

Titanium, with ratchet

Micro needle holder



225 mm – 8 ¾"	**Riester 25563-22**	**Riester 25564-22**
225 mm – 8 ¾"	**Riester 25565-22**	**Riester 25566-22**

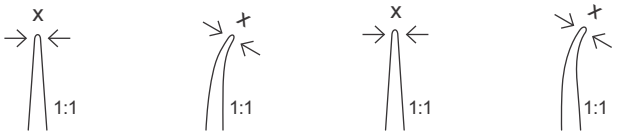
225 mm – 8 ¾"	**Riester 25863-22 Titan**	**Riester 25864-22 Titan**

without ratchet

225 mm – 8 ¾"	**Riester 25567-22**	**Riester 25568-22**
225 mm – 8 ¾"	**Riester 25569-22**	**Riester 25570-22**

with ratchet

Micro needle holder 90° twisted



	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8"	**Riester 25700-01**	**Riester 25700-02**	**Riester 25700-03**	**Riester 25700-04**
225 mm – 8¾"	**Riester 25700-09**	**Riester 25700-10**	**Riester 25700-11**	**Riester 25700-12**
240 mm – 9½"	**Riester 25702-01**	**Riester 25702-02**	**Riester 25702-03**	**Riester 25702-04**
without ratchet	*straight*	*curved*	*straight*	*curved*

	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8"	**Riester 25700-05**	**Riester 25700-06**	**Riester 25700-07**	**Riester 25700-08**
225 mm – 8¾"	**Riester 25700-13**	**Riester 25700-14**	**Riester 25700-15**	**Riester 25700-16**
240 mm – 9½"	**Riester 25702-05**	**Riester 25702-06**	**Riester 25702-07**	**Riester 25702-08**
without ratchet, diamond coated	*straight*	*curved*	*straight*	*curved*

These needle holders are also available with ratchet.

Micro needle holder

Jacobson

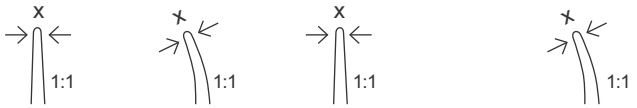
180 mm – 7"	Riester 25701-01	Riester 25701-02	Riester 25701-05	Riester 25701-06
without ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

180 mm – 7"	Riester 25701-03	Riester 25701-04	Riester 25701-07	Riester 25701-08
with ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

These needle holders are also available with ratchet.

Micro needle holder

Surgery

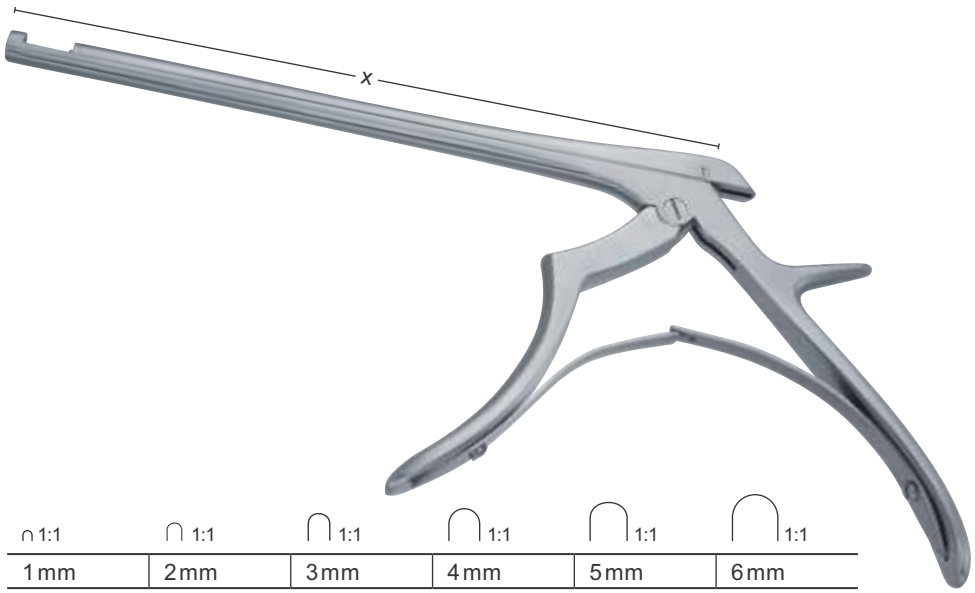


9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	**Riester 25624-01**	**Riester 25624-02**	**Riester 25624-13**	**Riester 25624-14**
without ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	**Riester 25624-03**	**Riester 25624-04**	**Riester 25624-15**	**Riester 25624-16**
with ratchet	*straight*	*curved*	*straight, diamond coated*	*curved, diamond coated*

9 mm Ø				
230 mm – 9"	**Riester 25624-05 tucar**	**Riester 25624-06 tucar**	**Riester 25624-09 tucar**	**Riester 25624-10 tucar**
without ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*

9 mm Ø				
230 mm – 9"	**Riester 25624-07 tucar**	**Riester 25624-08 tucar**	**Riester 25624-11 tucar**	**Riester 25624-12 tucar**
with ratchet	*straight, smooth*	*curved, smooth*	*straight, serrated*	*curved, serrated*



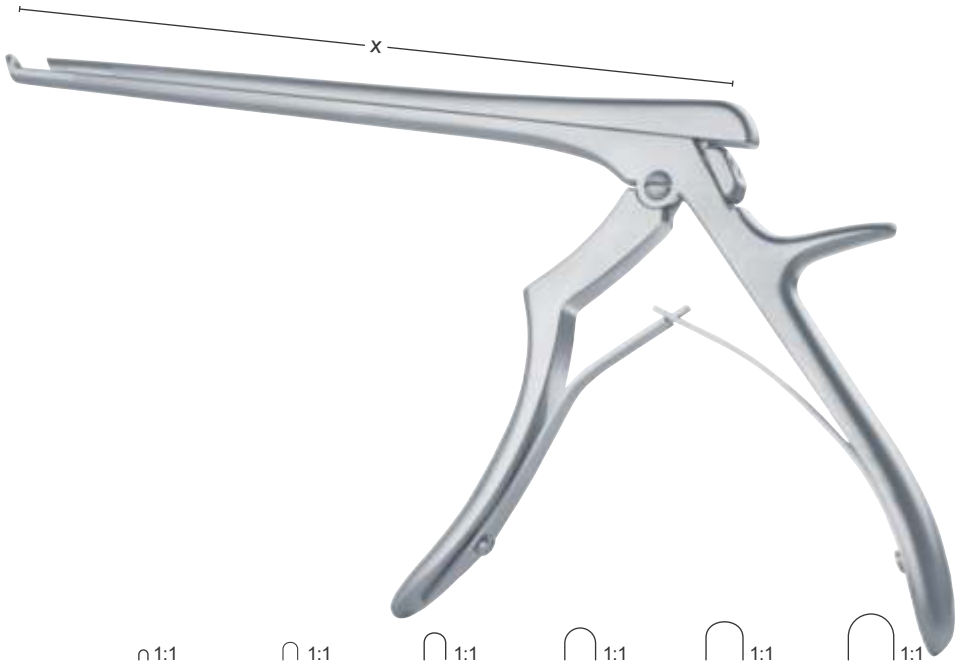
∩ 1:1	∩ 1:1	∩ 1:1	∩ 1:1	∩ 1:1	∩ 1:1
1mm	2mm	3mm	4mm	5mm	6mm

Ferris- Smith-Kerrison

	x=150mm – 6"	x=180mm – 7"	x=200mm – 8"	x=230mm – 9"
1mm	Riester 28001-01	Riester 28002-01	Riester 28003-01	Riester 28004-01
2mm	Riester 28001-02	Riester 28002-02	Riester 28003-02	Riester 28004-02
3mm	Riester 28001-03	Riester 28002-03	Riester 28003-03	Riester 28004-03
4mm	Riester 28001-04	Riester 28002-04	Riester 28003-04	Riester 28004-04
5mm	Riester 28001-05	Riester 28002-05	Riester 28003-05	Riester 28004-05
6mm	Riester 28001-06	Riester 28002-06	Riester 28003-06	Riester 28004-06
1mm	Riester 28005-01	Riester 28006-01	Riester 28007-01	Riester 28008-01
2mm	Riester 28005-02	Riester 28006-02	Riester 28007-02	Riester 28008-02
3mm	Riester 28005-03	Riester 28006-03	Riester 28007-03	Riester 28008-03
4mm	Riester 28005-04	Riester 28006-04	Riester 28007-04	Riester 28008-04
5mm	Riester 28005-05	Riester 28006-05	Riester 28007-05	Riester 28008-05
6mm	Riester 28005-06	Riester 28006-06	Riester 28007-06	Riester 28008-06
1mm	Riester 28010-01	Riester 28011-01	Riester 28012-01	Riester 28013-01
2mm	Riester 28010-02	Riester 28011-02	Riester 28012-02	Riester 28013-02
3mm	Riester 28010-03	Riester 28011-03	Riester 28012-03	Riester 28013-03
4mm	Riester 28010-04	Riester 28011-04	Riester 28012-04	Riester 28013-04
5mm	Riester 28010-05	Riester 28011-05	Riester 28012-05	Riester 28013-05
6mm	Riester 28010-06	Riester 28011-06	Riester 28012-06	Riester 28013-06
1mm		Riester 28090-01		
2mm		Riester 28090-02		Riester 28095-02
3mm		Riester 28090-03		Riester 28095-03
4mm		Riester 28090-04		Riester 28095-04
5mm		Riester 28090-05		Riester 28095-05
6mm		Riester 28090-06		Riester 28095-06

Thin footplate

Dismantable laminectormy punches



1:1	1:1	1:1	1:1	1:1	1:1
1mm	2mm	3mm	4mm	5mm	6mm

Ferris- Smith-Kerrison

	x=180mm – 7"	x=200mm – 8"	x=230mm – 9"
1mm	Riester 28002-01Z		
2mm	Riester 28002-02Z		Riester 28008-02Z
3mm	Riester 28002-03Z		Riester 28008-03Z
4mm	Riester 28002-04Z		Riester 28008-04Z
5mm	Riester 28002-05Z		Riester 28008-05Z
6mm	Riester 28002-06Z		Riester 28008-06Z

1mm	Riester 28006-01Z		
2mm	Riester 28006-02Z		Riester 28009-02Z
3mm	Riester 28006-03Z		Riester 28009-03Z
4mm	Riester 28006-04Z		Riester 28009-04Z
5mm	Riester 28006-05Z		Riester 28009-05Z
6mm	Riester 28006-06Z		Riester 28009-06Z

1mm	Riester 28011-01Z		
2mm	Riester 28011-02Z	Riester 28013-02Z	Riester 28015-02Z
3mm	Riester 28011-03Z	Riester 28013-03Z	Riester 28015-03Z
4mm	Riester 28011-04Z	Riester 28013-04Z	Riester 28015-04Z
5mm	Riester 28011-05Z	Riester 28013-05Z	Riester 28015-05Z
6mm	Riester 28011-06Z	Riester 28013-06Z	Riester 28015-06Z

Thin footplate

1mm	Riester 28090-01Z		
2mm	Riester 28090-02Z		Riester 28095-02Z
3mm	Riester 28090-03Z		Riester 28095-03Z
4mm	Riester 28090-04Z		Riester 28095-04Z
5mm	Riester 28090-05Z		Riester 28095-05Z
6mm	Riester 28090-06Z		Riester 28095-06Z

Dismantable laminectormy punches

Easy dismantling and assembling

dismantable for easy cleaning and better hygiene

Dismantling

closed position

turn to open

1. *Opening of the locking nut by a quarter turn.*

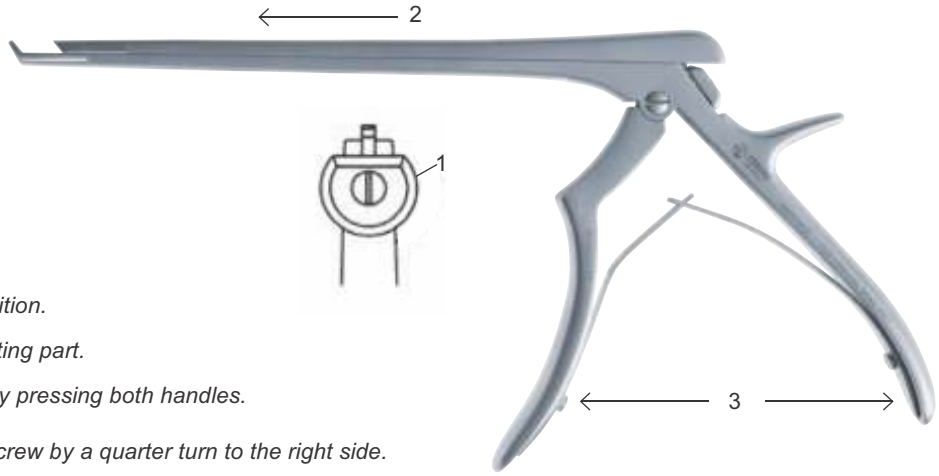
2. *Pulling backwards of the upper cutting part.*

Dismantable laminectormy punches

Relation

– *the upper cutting part with the basic instrument is related by numerical codes.*

Assembling

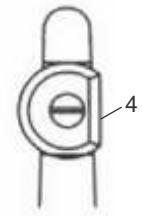


Locking nut in open position.

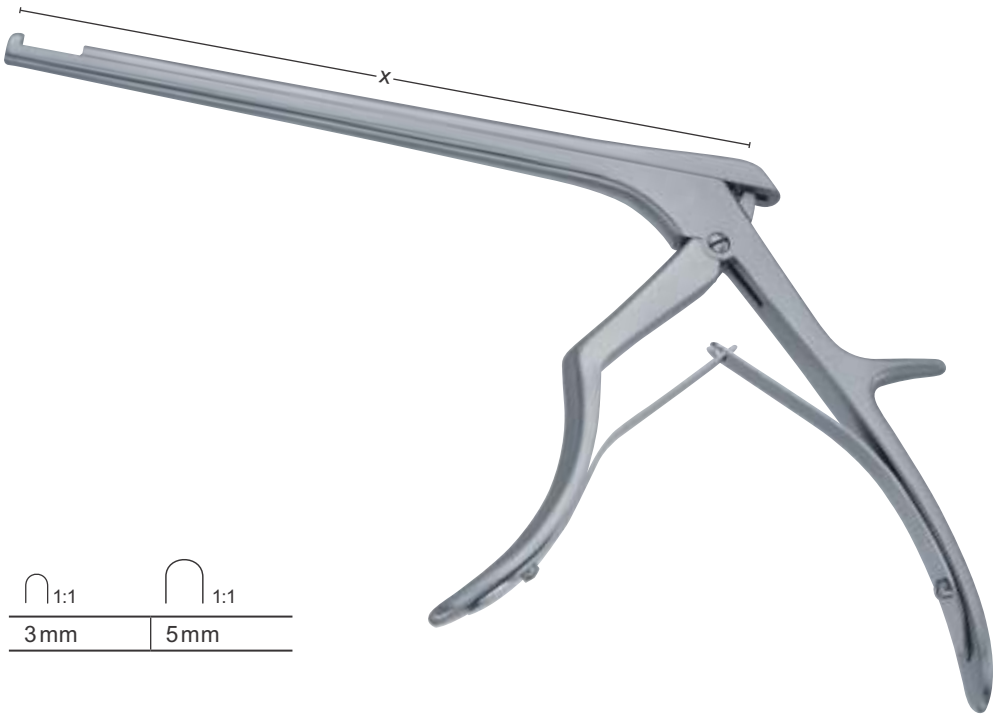
Positioning of upper cutting part.

Closing of punch jaws by pressing both handles.

Interlocking of locking screw by a quarter turn to the right side.

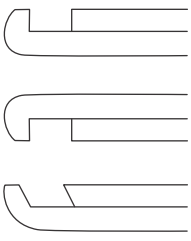


Ready for use



1:1	1:1
3mm	5mm

Colclough



	x=150mm – 6"	x=200mm – 8"
3mm	Riester 28016-03	Riester 28017-03
5mm	Riester 28016-05	Riester 28017-05
3mm	Riester 28018-03	Riester 28019-03
5mm	Riester 28018-05	Riester 28019-05
3mm	Riester 28022-03	Riester 28023-03
5mm	Riester 28022-05	Riester 28023-05

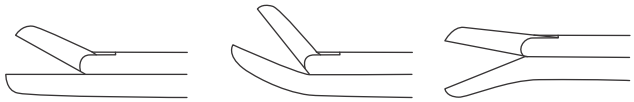
Ferris-Smith-Kerrison

	x=180mm – 7"
5mm	Riester 28024-01
5mm	Riester 28024-02

Laminectormy punches

Surgery

Cushing



	2mmx10mm	2mmx10mm	2mmx10mm
x=130mm – 5"	Riester 28030-13	Riester 28031-13	Riester 28033-13
x=180mm – 7"	Riester 28030-18	Riester 28031-18	Riester 28033-18
x=220mm – 8¾"	Riester 28030-22	Riester 28031-22	Riester 28033-22


1:1

Love-Gruenwald

	3mmx10mm	3mmx10mm	3mmx10mm
x=130mm – 5"	Riester 28034-13	Riester 28035-13	Riester 28037-13
x=180mm – 7"	Riester 28034-18	Riester 28035-18	Riester 28037-18
x=220mm – 8¾"	Riester 28034-22	Riester 28035-22	Riester 28037-22


1:1

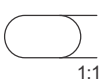
Spurling

	4mmx10mm	4mmx10mm	4mmx10mm
x=130mm – 5"	Riester 28038-13	Riester 28039-13	Riester 28041-13
x=180mm – 7"	Riester 28038-18	Riester 28039-18	Riester 28041-18
x=220mm – 8¾"	Riester 28038-22	Riester 28039-22	Riester 28041-22


1:1

Cloward

	6mmx10mm		
x=180mm – 7"	Riester 28042-18		

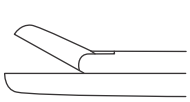
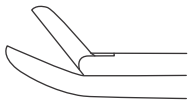
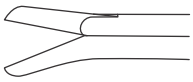
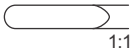
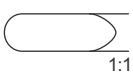

1:1

Laminectormy punches

Surgery

	Ferris-Smith		
	x=180mm – 7"	x=180mm – 7"	x=180mm – 7"
1:1 2mmx10mm	Riester 28050-02	Riester 28051-02	Riester 28053-02
1:1 3mmx10mm	Riester 28050-03	Riester 28051-03	Riester 28053-03
1:1 4mmx10mm	Riester 28050-04	Riester 28051-04	Riester 28053-04
1:1 6mmx10mm	Riester 28050-06		

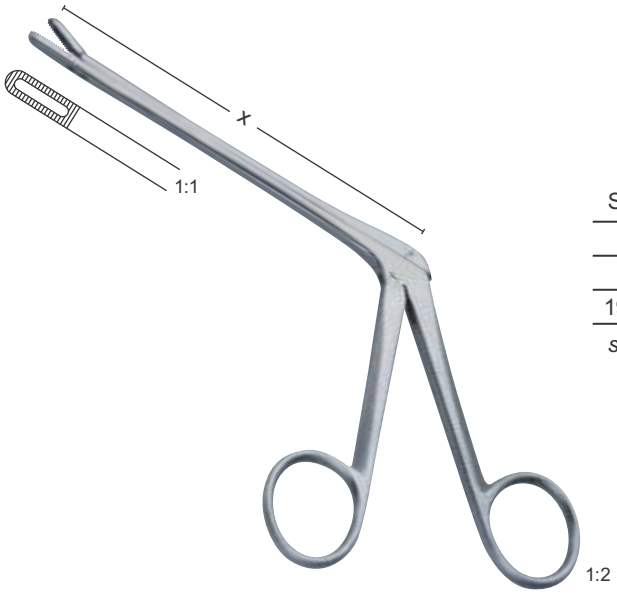
Other lengths and executions are available upon request.

Caspar			
	x = 155 mm – 6"	x = 155 mm – 6"	x = 155 mm – 6"
 1:1 2 mm	Riester 28025-02	Riester 28026-02	Riester 28027-02
 1:1 3 mm	Riester 28025-03	Riester 28026-03	Riester 28027-03
 1:1 4 mm	Riester 28025-04	Riester 28026-04	Riester 28027-04
 1:1 5 mm	Riester 28025-05		

Laminectormy rongeurs

Surgery

Oldenberg	○ 1:1	○ 1:1
x = 180 mm – 7"	3.5 mm Ø	6.0 mm Ø
170 mm – 6¾"	**Riester 28075-25**	**Riester 28074-25**



Schlesinger	
	3 mm x 10 mm
	x = 125 mm – 5"
190 mm – 7½"	**Riester 28070-19**

saw edge

Laminectormy rongeurs

Jaw fenestrated and serrated

Caspar

	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
2 mm x 12 mm	**Riester 28080-02**	**Riester 28081-02**	**Riester 28082-02**
3 mm x 12 mm	**Riester 28080-03**	**Riester 28081-03**	**Riester 28082-03**
4 mm x 14 mm	**Riester 28080-04**	**Riester 28081-04**	**Riester 28082-04**
5 mm x 14 mm		**Riester 28081-05**	**Riester 28082-05**
6 mm x 16 mm		**Riester 28081-06**	**Riester 28082-06**

	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
3 mm x 12 mm	**Riester 28083-03**	**Riester 28084-03**	**Riester 28085-03**
4 mm x 14 mm	**Riester 28083-04**	**Riester 28084-04**	**Riester 28085-04**
5 mm x 14 mm		**Riester 28084-05**	**Riester 28085-05**

	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
3 mm x 12 mm	**Riester 28086-03**	**Riester 28087-03**	**Riester 28088-03**
4 mm x 14 mm	**Riester 28086-04**	**Riester 28087-04**	**Riester 28088-04**

Laminectormy rongeurs

Weil-Blakesley

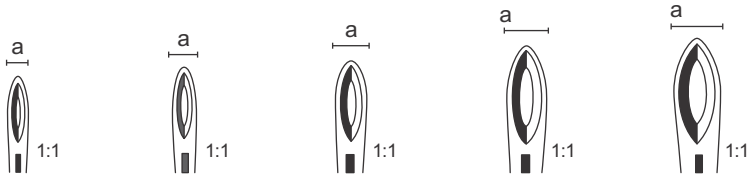


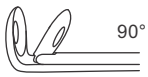
	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a=3.0 mm	a=3.5 mm	a=4.5 mm	a=5.0 mm	a=5.5 mm
 0°					
x=120 mm – 4¾"	**Riester 51155-01**	**Riester 51155-02**	**Riester 51155-03**	**Riester 51155-04**	**Riester 51155-05**
 45°					
x=120 mm – 4¾"	**Riester 51158-01**	**Riester 51158-02**	**Riester 51158-03**	**Riester 51158-04**	
 90°					
x=120 mm – 4¾"	**Riester 51159-01**	**Riester 51159-02**	**Riester 51159-03**		

	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a=3.0 mm	a=3.5 mm	a=4.5 mm	a=5.0 mm	a=5.5 mm
 45°					
x=180 mm – 7"	**Riester 51160-01**	**Riester 51160-02**	**Riester 51160-03**	**Riester 51160-04**	**Riester 51160-05**
 90°					
x=180 mm – 7"	**Riester 51161-01**	**Riester 51161-02**	**Riester 51161-03**	**Riester 51161-04**	

Riester
SURGICAL 8539628

Manufacturing Process

Manufacturing Capabilities

All of our production departments are well equipped with the latest, machinery which is imported from Germany and England, and well staffed with the expert technicians.

Raw Material Department

Riester Surgical always purchases best quality stainless steel raw material from steel manufacturers or import directly from Japan, France and Germany when need to do so.

Two kinds of series i.e. (304, 410 and 420) of stainless steel are used for production of Instruments. At Riester Surgical, we believe that quality can only be achieved through quality raw material. As such, the best quality Raw-materials (Stainless Steel Strips, Round Bars, Stainless Steel Coils and Stainless Steel Tubes) are purchased and are subjected to composition and hardness testing through our in-house laboratory in order to ensure that only the best materials are passed from production departments.

Forging Department

Riester Surgical has its own forging section where forgings are made through Drop Hammer process by seasoned operators using dyes made of the best quality imported D-2 Steel.

Forging is done by keeping in mind that the geometry of this process is a starting point and does not on any way limit your design freedom.

Milling Department

Milling is used in the instruments, defined as the process of cutting, shaping and finishing of an instrument. It is the process that includes turning, welding and fringing. At the Riester Surgical we use the best milling technology which involve cutting away pieces of metal to create dovetails, threads, bevels, slots and ridges.

Grinding (Filing & Setting)

In order to give a final shape to the instrument, our highly skilled craftsmen use filling and grinding processes which removes the material from the instrument by abrasion. Then the instrument is keenly observed and set to perform perfect.

Hardness Test (Heat Treatment)

For surgical instruments, the term harness refers to the resistance to bending, scratching, abrasion or cutting. We have in-house Heat Treatment Department equipped with top quality Vacuum Furnace where qualified staff and engineers are engaged in treating the instruments in order to add strength to the steel and perfect the metallurgical composition for further processes.

Polishing Department

The Polishing Department is manned by seasoned workmen using imported chemicals and best quality grinding wheels to ensure the best quality finish. In this department, the instruments are given final finish which includes mirror, satin or matt finishes. The finish is per customers requirements.

Riester
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Manufacturing Process

Tungsten Carbide Department

Riester Surgical tungsten carbide department is installed with the best quality imported machinery being manned by the exceptionally well trained experts using the German Technology. We use German tungsten carbide tips for our instruments.

Coating Department

Our coating department is capable of providing gold plated instruments as well as powder coated instruments depending upon the requirements of the instruments or the customers. Best quality coating related raw materials are used so that no compromise can be made on quality. Furthermore, each coating is inspected for quality before any instrument is passed on to the next department.

Passivation Department

We use high quality imported chemicals in our Passivation Department. Every instruments is boil test and passivate for 24 hours before packing. If need arises, the instruments are re-passivated so as to eliminate any chances of rusting or corrosion during the life of the instrument. Our instruments are rust-free for life though we give guarantee for five years.

Sandblasting Department

For sandblasting our instruments, we use the machines as well as the best quality sandblasting material, which are operated by skilled & well trained operators.

Stamping/Etching

We use permanent and long life high quality laser etching which produces a wide variety of text and graphic images including our customer's logo with very detailed and fine image quality.

Quality Control

Our quality control department is involved at all of the processes of manufacturing but before the instrument goes to the packing department, its quality and function is thoroughly checked by our qualified engineers.

Labeling and Packing

Each instrument is initially packed in a poly bag to prevent scratches and then packed in the middle box. Middle boxes are then packed in the carton. The middle boxes are labeled which includes the article number, types and sizes of instruments. We can also arrange packaging and labeling according to the customers demand.

Warehouse

After the instruments are packed and labeled, cartons are then move to our in house warehouse where the complete record of shipments are maintained by our qualified warehouse management.

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