

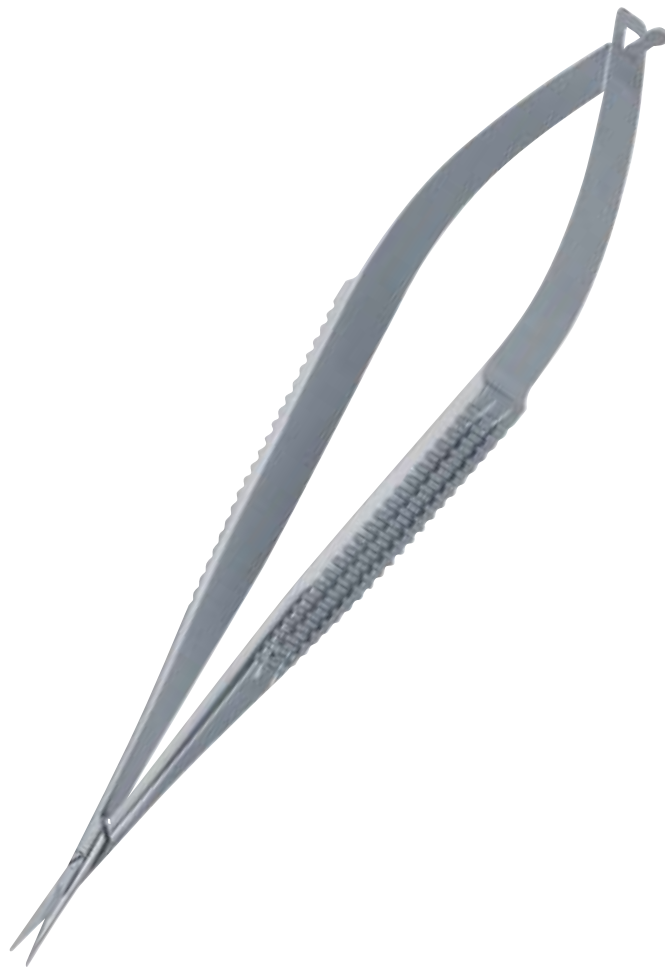


ASMED SURGICAL

Manufacturer & Exporter of Dental, Surgical, Veterinary and Manicure instruments

Registration No: A118747

Welcome to our online
Micro Neuro Surgery
catalogue



Opposite UMT, Small Industrial Estate, Shahab Pura Road, Sialkot Pakistan.

Tel & Fax: +92 52 3253035 Mobile: +92 340 0191509

E-mail: asmedsurgical@gmail.com Website: www.asmedsurgical.com



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

Asmed 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

Asmed 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

Asmed Surgical manufacturing process emphasizes 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 Asmed Surgical for a longer period of time.



About Us

Asmed 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 Asmed Surgical before total payment of the order.

We accept Irrevocable Letter of Credit (L/C).

Mode of Shipment

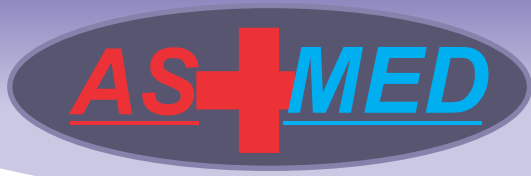
It depends on the requirement of buyer.

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



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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



User Manual

Asmed 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 Sets,

INSTRUCTION MANUAL – PLEASE READ BEFORE USE SURGICAL INSTRUMENTS

The Asmed 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 Asmed Surgical stands for today: world-class products and services for our customers.

INNOVATION

At Asmed 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

Asmed 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 Asmed 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

Asmed 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, Knives, Scissors, Forceps, Clamps, Retractors, Probes, Scalars Spatulas, Suture Root Elevators instruments with special instructions.



User Manual

Asmed 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

All 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 Asmed Surgical. The user decides according to his specialized knowledge whether the instrument may be 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. Asmed 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

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.asmedsurgical.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 damages. Instruments may only be sterilized after a previous cleaning and disinfection.

INSTRUCTION

Due to the design of 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 tap 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.



User Manual

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.

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

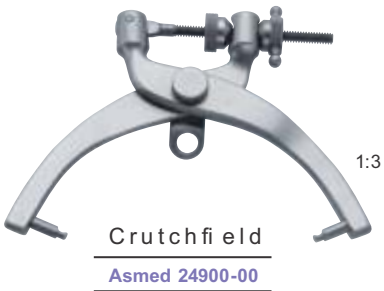
Asmed Surgical does not provide any liability for any damages arising from pure chance. Asmed Surgical does not provide any liability for any damages deriving from contravening against this manual. In case of using the instruments on patients with Asmed Surgical does not provide any liability for the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



Yours very sincerely,

Management and Staff Asmed Surgical
Asmed Surgical Product Launches

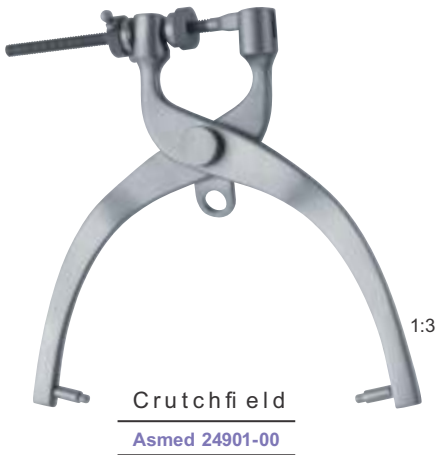
Cervical traction tongs

Surgery



		
	1:3	1:3
	3.5mm Ø	5.0mm Ø
Asmed 24901-02	x	x

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



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

Spare pin for Asmed 24903-00



Wrench, double-ended for Asmed 24903-00

Hand drills

Surgery



Hudson
 270mm – 10¾" **Asmed 24850-00**
complete with 4 twist drills (Fig. 1 – Fig. 4) and extension piece



Asmed 24851-00
Extension piece



1:2



1:2



1:2



1:2

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



1:2

Cushing
 14mm Ø
Asmed 24854-05



1:2

McKenzie
 13mm Ø
Asmed 24854-09

Instruments for cranial opening

Surgery



1:2

De Martel

330mm – 13"

Asmed 24912-33



1:2

Adson

150mm – 6"

Asmed 24907-15

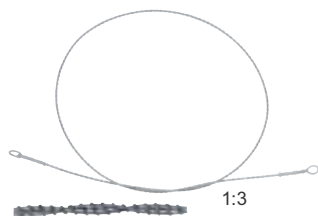


1:2

De Vilbiss

210mm – 8¼"

Asmed 24909-21



1:3

Olivecrona

300mm – 12"

Asmed 24915-30

400mm – 16"

Asmed 24915-40

500mm – 20"

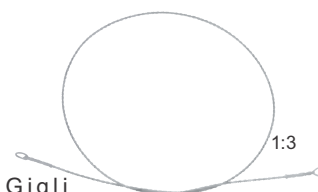
Asmed 24915-50

600mm – 23½"

Asmed 24915-60

700mm – 27½"

Asmed 24915-70



1:3

Gigli

300mm – 12"

Asmed 24917-30

400mm – 16"

Asmed 24917-40

500mm – 20"

Asmed 24917-50

6 wires twisted



1:2

Gigli

Asmed 24916-00

Self-retaining brain retractor

Surgery



Asmed 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

Asmed 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 retractor

Surgery



Asmed 24922-02

Fixation base only, holding 2 flexible arms

Asmed 24920-02

Fixation base only, holding 1 flexible arm

Asmed 24925-02

Support only, for flat brain spatulas

Asmed 24925-01

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

Asmed 24926-00

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

Brain spatulas

Surgery



1:2

Cushing

	180mm – 7"
7mmx 9mm	Asmed 25240-07
11mmx13mm	Asmed 25240-11
15mmx18mm	Asmed 25240-15
18mmx22mm	Asmed 25240-18



1:2

Olivecrona

	180mm – 7"	180mm – 7"
7mmx 9mm	Asmed 25246-07	Asmed 25245-07
11mmx13mm	Asmed 25246-11	Asmed 25245-11
15mmx18mm	Asmed 25246-15	Asmed 25245-15
18mmx22mm	Asmed 25246-18	Asmed 25245-18

convex

concave



1:2

Heifetz

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

malleable

McKenzie instruments

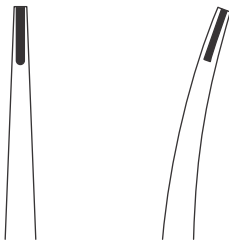
Surgery



McKenzie

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

Clip applying forceps



1:2

McKenzie

148mmx40mmx6mm – 5¾" x 1½" x ½"	Asmed 25001-00
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Brain clip-rack for 20 clips



1:1

Asmed 25000-00

100 Brain clips in plastic box

Clips and applying forceps

Surgery



Olivecrona-Toennis
(Scoville)

x = 140 mm – 5 1/2" | Asmed 25010-24



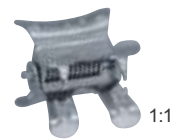
Raney

150 mm – 6" | Asmed 25040-15



Asmed 25039-00

Scalpc clip "Raney"

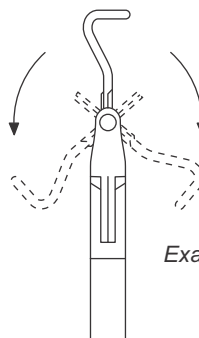
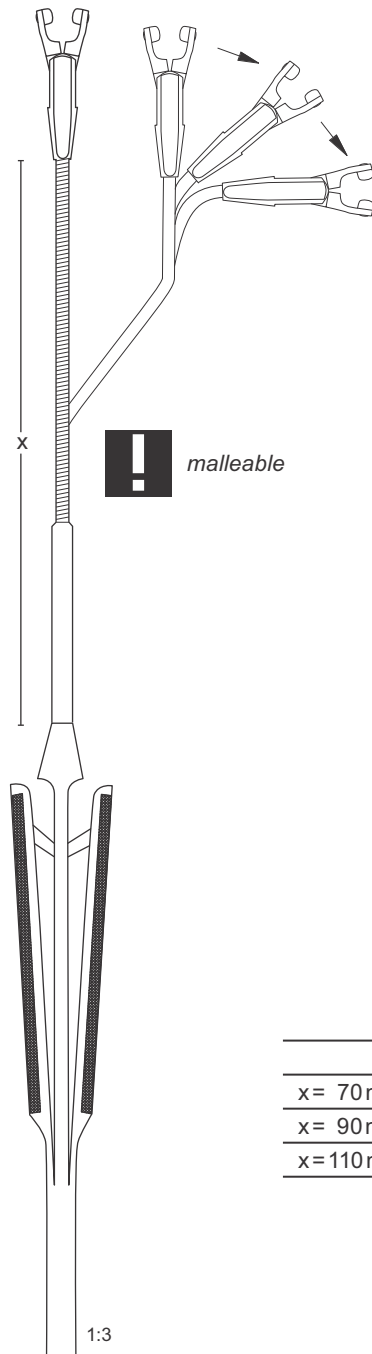


Asmed 25038-00

Scalpc clip "Köln"

Applying forceps for Yasargil clips

Surgery



Example for rotation



	Mini	Standard
x= 70 mm – 2 ³ / ₄ "	Asmed 25080-01	Asmed 25081-01
x= 90 mm – 3 ¹ / ₂ "	Asmed 25080-02	Asmed 25081-02
x= 110 mm – 4 ¹ / ₄ "	Asmed 25080-03	Asmed 25081-03

non rotating

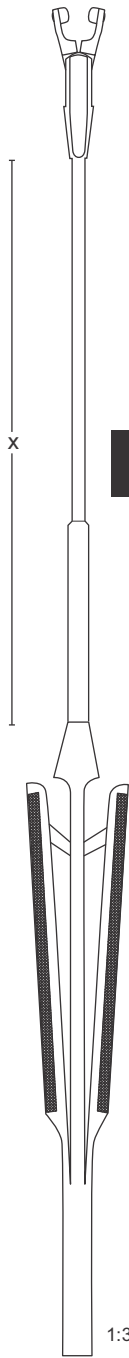


	Mini	Standard
x= 70 mm – 2 ³ / ₄ "	Asmed 25082-01	Asmed 25083-01
x= 90 mm – 3 ¹ / ₂ "	Asmed 25082-02	Asmed 25083-02
x= 110 mm – 4 ¹ / ₄ "	Asmed 25082-03	Asmed 25083-03

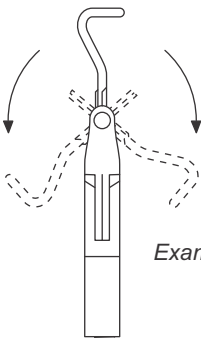
rotating

Applying forceps for Yasargil clips

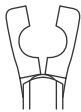
Surgery



rigid

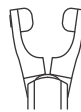


Example for rotation



	Mini	Standard
x = 70 mm – 2 ³ / ₄ "	Asmed 25084-01	Asmed 25085-01
x = 90 mm – 3 ¹ / ₂ "	Asmed 25084-02	Asmed 25085-02
x = 110 mm – 4 ¹ / ₄ "	Asmed 25084-03	Asmed 25085-03

non rotating



Mini	Standard
Asmed 25086-01	Asmed 25087-01
Asmed 25086-02	Asmed 25087-02
Asmed 25086-03	Asmed 25087-03

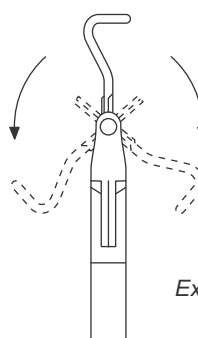
rotating

Applying forceps for Yasargil clips

Surgery



Shank rotatable



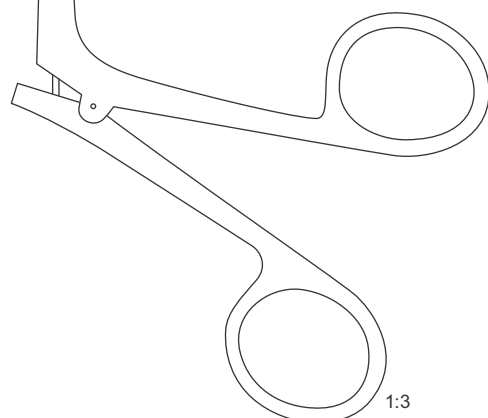
Example for rotation



	Mini	Standard	Mini	Standard
x = 70 mm – 2 ³ / ₄ "	Asmed 25092-01	Asmed 25093-01	Asmed 25094-01	Asmed 25095-01
x = 90 mm – 3 ¹ / ₂ "	Asmed 25092-02	Asmed 25093-02	Asmed 25094-02	Asmed 25095-02
x = 110 mm – 4 ¹ / ₄ "	Asmed 25092-03	Asmed 25093-03	Asmed 25094-03	Asmed 25095-03
x = 130 mm – 5"	Asmed 25092-04	Asmed 25093-04	Asmed 25094-04	Asmed 25095-04

non rotating

rotating



Applying forceps for Yasargil clips

Surgery



1:2

	Mini	Standard
17mm – 6 ³ / ₄ "		
18mm – 7"	Asmed 25088-18	Asmed 25089-18
21mm – 8 ¹ / ₄ "		
23mm – 9"		

straight, with ratchet

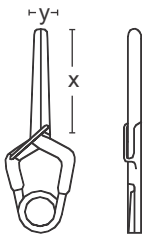


Mini	Standard
Asmed 25090-17	Asmed 25091-17
Asmed 25090-21	Asmed 25091-21
Asmed 25090-23	Asmed 25091-23

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

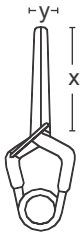
						
$x=7.0\text{ mm}$	$x=9.0\text{ mm}$	$x=11.0\text{ mm}$	$x=15.0\text{ mm}$	$x=17.0\text{ mm}$	$x=20.0\text{ mm}$	$x=25.0\text{ mm}$
$y=6.2\text{ mm}$	$y=7.0\text{ mm}$	$y=7.8\text{ mm}$	$y=9.2\text{ mm}$	$y=10.6\text{ mm}$	$y=11.4\text{ mm}$	$y=13.3\text{ mm}$
$gms=150$	$gms=180$	$gms=180$	$gms=200$	$gms=200$	$gms=200$	$gms=200$
Asmed 25096-00	Asmed 25097-00	Asmed 25098-00	Asmed 25099-00	Asmed 25100-00	Asmed 25101-00	Asmed 25102-00

						
$x=7.0\text{ mm}$	$x=9.0\text{ mm}$	$x=11.0\text{ mm}$	$x=15.0\text{ mm}$	$x=7.0\text{ mm}$	$x=9.0\text{ mm}$	$x=11.0\text{ mm}$
$y=6.0\text{ mm}$	$y=6.8\text{ mm}$	$y=7.5\text{ mm}$	$y=8.7\text{ mm}$	$y=5.5\text{ mm}$	$y=6.1\text{ mm}$	$y=6.5\text{ mm}$
$gms=150$	$gms=180$	$gms=180$	$gms=200$	$gms=150$	$gms=180$	$gms=180$
Asmed 25103-00	Asmed 25104-00	Asmed 25105-00	Asmed 25106-00	Asmed 25107-00	Asmed 25108-00	Asmed 25109-00

					
$x=15.0\text{ mm}$	$x=7.0\text{ mm}$	$x=9.0\text{ mm}$	$x=11.0\text{ mm}$	$x=7.0\text{ mm}$	$x=9.0\text{ mm}$
$y=7.4\text{ mm}$	$y=5.4\text{ mm}$	$y=5.8\text{ mm}$	$y=6.2\text{ mm}$	$y=7.9\text{ mm}$	$y=8.7\text{ mm}$
$gms=200$	$gms=180$	$gms=180$	$gms=180$	$gms=200$	$gms=200$
Asmed 25110-00	Asmed 25111-00	Asmed 25112-00	Asmed 25113-00	Asmed 25114-00	Asmed 25115-00

Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening

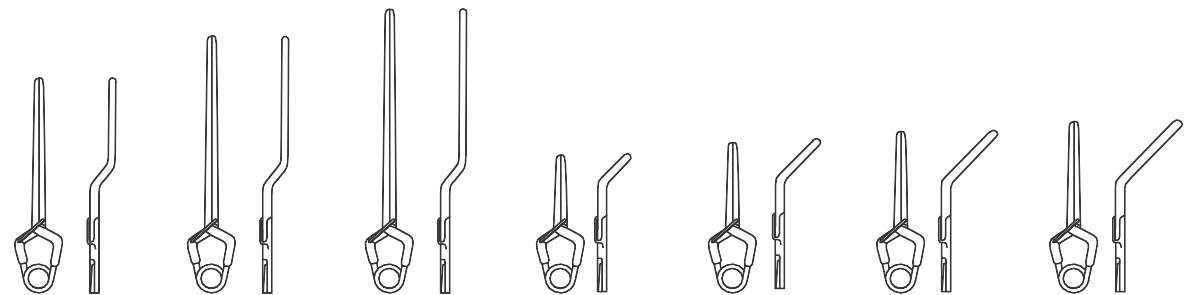
gms = Pressure



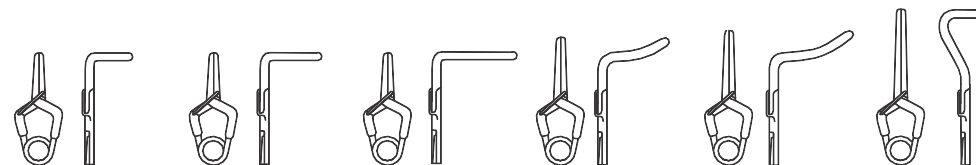
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

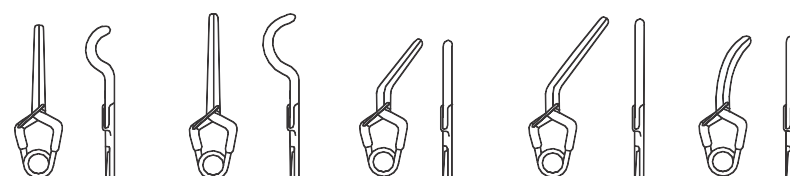
for permanent closure, in high quality implant steel, antimagnetic



$x = 12.0\text{mm}$	$x = 17.0\text{mm}$	$x = 20.0\text{mm}$	$x = 5.0\text{mm}$	$x = 7.0\text{mm}$	$x = 9.0\text{mm}$	$x = 11.0\text{mm}$
$y = 10.2\text{mm}$	$y = 11.9\text{mm}$	$y = 13.0\text{mm}$	$y = 6.2\text{mm}$	$y = 6.5\text{mm}$	$y = 7.8\text{mm}$	$y = 8.4\text{mm}$
gms=200	gms=180	gms=180	gms=200	gms=200	gms=200	gms=200
Asmed 25116-00	Asmed 25117-00	Asmed 25118-00	Asmed 25119-00	Asmed 25120-00	Asmed 25121-00	Asmed 25122-00



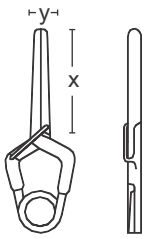
$x = 5.0\text{mm}$	$x = 7.0\text{mm}$	$x = 10.0\text{mm}$	$x = 8.0\text{mm}$	$x = 10.0\text{mm}$	$x = 5.0\text{mm}$
$y = 5.6\text{mm}$	$y = 5.6\text{mm}$	$y = 5.6\text{mm}$	$y = 5.4\text{mm}$	$y = 5.6\text{mm}$	$y = 7.2\text{mm}$
gms=200	gms=200	gms=200	gms=200	gms=200	gms=200
Asmed 25123-00	Asmed 25124-00	Asmed 25125-00	Asmed 25126-00	Asmed 25127-00	Asmed 25128-00



$x = 9.0\text{mm}$	$x = 11.0\text{mm}$	$x = 7.0\text{mm}$	$x = 11.0\text{mm}$	$x = 9.0\text{mm}$
$y = 7.2\text{mm}$	$y = 8.2\text{mm}$	$y = 5.7\text{mm}$	$y = 8.0\text{mm}$	$y = 7.0\text{mm}$
gms=200	gms=200	gms=200	gms=200	gms=200
Asmed 25129-00	Asmed 25130-00	Asmed 25131-00	Asmed 25132-00	Asmed 25133-00

Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening

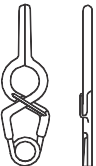
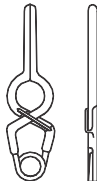
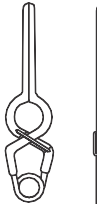
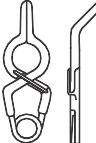
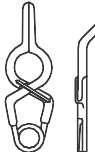
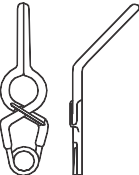
gms = Pressure

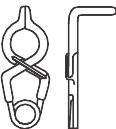
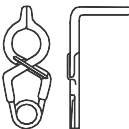
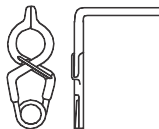


For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

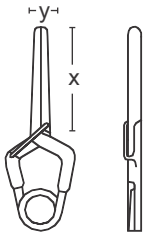
for permanent closure, with window 3,5 mm, in high quality implant steel, antimagnetic

					
$x=7.0\text{ mm}$	$x=9.0\text{ mm}$	$x=12.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=11.0\text{ mm}$
$y=7.4\text{ mm}$	$y=8.4\text{ mm}$	$y=9.6\text{ mm}$	$y=5.8\text{ mm}$	$y=6.5\text{ mm}$	$y=7.2\text{ mm}$
$gms=150$	$gms=150$	$gms=180$	$gms=150$	$gms=150$	$gms=180$
Asmed 25134-00	Asmed 25135-00	Asmed 25136-00	Asmed 25137-00	Asmed 25138-00	Asmed 25139-00

		
$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=11.0\text{ mm}$
$y=4.9\text{ mm}$	$y=4.9\text{ mm}$	$y=4.9\text{ mm}$
$gms=150$	$gms=150$	$gms=180$
Asmed 25140-00	Asmed 25141-00	Asmed 25142-00

Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening

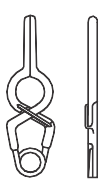
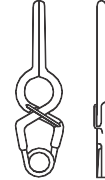
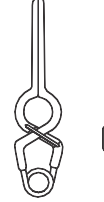
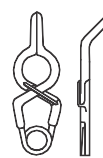
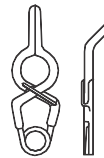
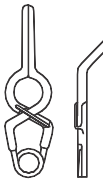
gms = Pressure

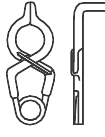
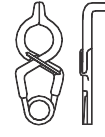
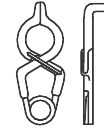
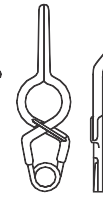
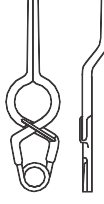
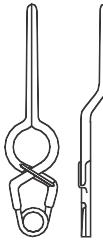


For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

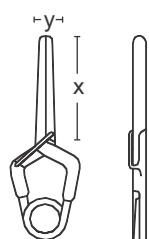
for permanent closure, with window 3.5 mm, in high quality implant steel, antimagnetic

					
$x=7.0\text{ mm}$	$x=9.0\text{ mm}$	$x=12.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=11.0\text{ mm}$
$y=7.9\text{ mm}$	$y=9.1\text{ mm}$	$y=10.3\text{ mm}$	$y=6.5\text{ mm}$	$y=7.2\text{ mm}$	$y=7.8\text{ mm}$
gms=150	gms=150	gms=180	gms=150	gms=150	gms=180
Asmed 25143-00	Asmed 25144-00	Asmed 25145-00	Asmed 25146-00	Asmed 25147-00	Asmed 25148-00

					
$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=11.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=11.0\text{ mm}$
$y=5.5\text{ mm}$	$y=5.5\text{ mm}$	$y=5.5\text{ mm}$	$y=7.9\text{ mm}$	$y=8.8\text{ mm}$	$y=10.0\text{ mm}$
gms=150	gms=150	gms=180	gms=150	gms=150	gms=180
Asmed 25149-00	Asmed 25150-00	Asmed 25151-00	Asmed 25152-00	Asmed 25153-00	Asmed 25154-00

Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening

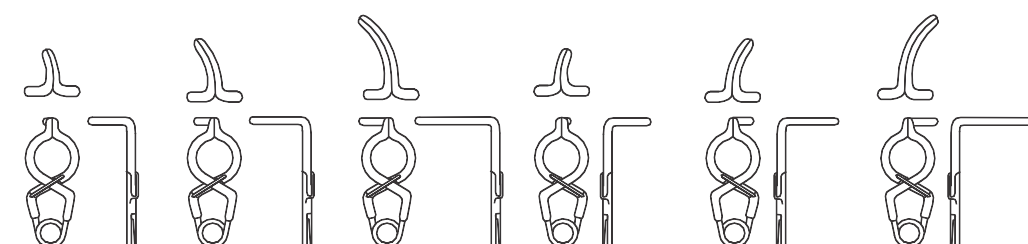
gms = Pressure



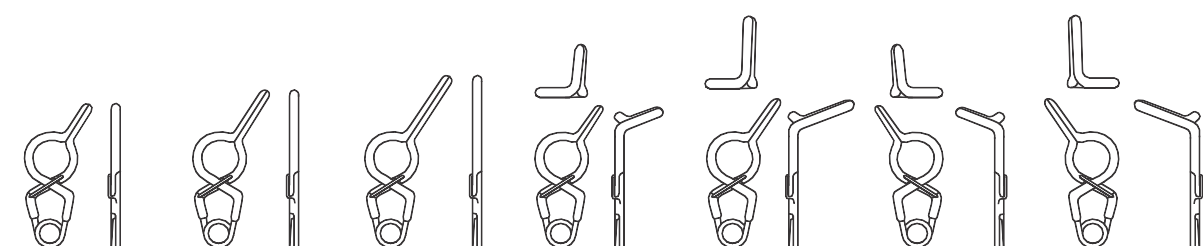
For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

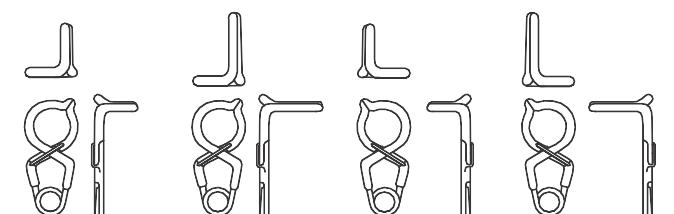
for permanent closure, with window 5.0 mm, in high quality implant steel, antimagnetic



$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=10.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=10.0\text{ mm}$
$y=5.8\text{ mm}$	$y=5.8\text{ mm}$	$y=5.8\text{ mm}$	$y=5.8\text{ mm}$	$y=5.8\text{ mm}$	$y=5.8\text{ mm}$
$gms=150$	$gms=150$	$gms=150$	$gms=150$	$gms=150$	$gms=150$
Asmed 25155-00	Asmed 25156-00	Asmed 25157-00	Asmed 25158-00	Asmed 25159-00	Asmed 25160-00



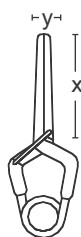
$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=10.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$
$y=7.0\text{ mm}$	$y=7.8\text{ mm}$	$y=8.8\text{ mm}$	$y=5.8\text{ mm}$	$y=6.2\text{ mm}$	$y=5.8\text{ mm}$	$y=6.2\text{ mm}$
$gms=150$	$gms=150$	$gms=150$	$gms=150$	$gms=150$	$gms=150$	$gms=150$
Asmed 25161-00	Asmed 25162-00	Asmed 25163-00	Asmed 25164-00	Asmed 25165-00	Asmed 25166-00	Asmed 25167-00



$x=5.0\text{ mm}$	$x=7.0\text{ mm}$	$x=5.0\text{ mm}$	$x=7.0\text{ mm}$
$y=5.6\text{ mm}$	$y=5.6\text{ mm}$	$y=5.6\text{ mm}$	$y=5.6\text{ mm}$
$gms=150$	$gms=150$	$gms=150$	$gms=150$
Asmed 25168-00	Asmed 25169-00	Asmed 25170-00	Asmed 25171-00

Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening

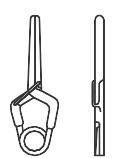
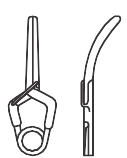
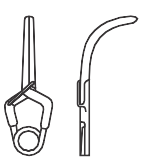
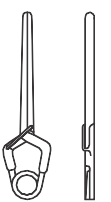
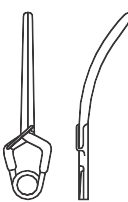
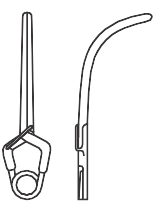
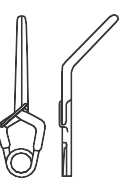
gms = Pressure

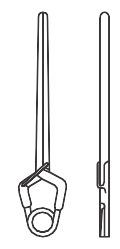
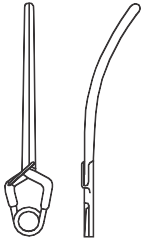
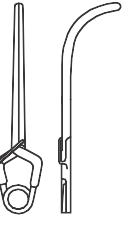
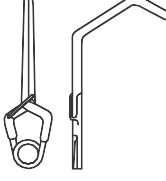


For titanium clips, please add a "T" to the reference number.

Yasargil-Standard

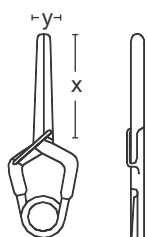
for temporary closure, in high quality implant steel, antimagnetic

						
$x=9.0\text{ mm}$	$x=9.0\text{ mm}$	$x=9.0\text{ mm}$	$x=15.0\text{ mm}$	$x=15.0\text{ mm}$	$x=15.0\text{ mm}$	$x=9.0\text{ mm}$
$y=7.0\text{ mm}$	$y=6.8\text{ mm}$	$y=6.1\text{ mm}$	$y=9.2\text{ mm}$	$y=8.7\text{ mm}$	$y=7.4\text{ mm}$	$y=6.2\text{ mm}$
gms=90	gms=90	gms=110	gms=90	gms=110	gms=110	gms=110
Asmed 25172-00	Asmed 25173-00	Asmed 25174-00	Asmed 25175-00	Asmed 25176-00	Asmed 25177-00	Asmed 25178-00

			
$x=20.0\text{ mm}$	$x=20.0\text{ mm}$	$x=17.0\text{ mm}$	$x=13.0\text{ mm}$
$y=11.4\text{ mm}$	$y=11.0\text{ mm}$	$y=9.9\text{ mm}$	$y=7.5\text{ mm}$
gms=110	gms=90	gms=90	gms=90
Asmed 25179-00	Asmed 25180-00	Asmed 25181-00	Asmed 25182-00

Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening


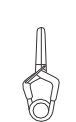


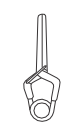

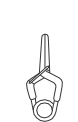
gms = Pressure

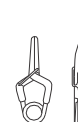
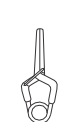
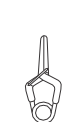
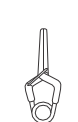
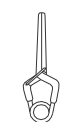
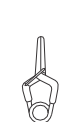
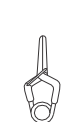






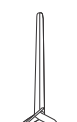

For titanium clips, please add a "T" to the reference number.

Yasargil-Mini

for permanent closure, in high quality implant steel, antimagnetic

						
$x=3.0\text{mm}$	$x=5.0\text{mm}$	$x=3.0\text{mm}$	$x=5.0\text{mm}$	$x=7.0\text{mm}$	$x=3.0\text{mm}$	$x=4.0\text{mm}$
$y=3.3\text{mm}$	$y=4.0\text{mm}$	$y=3.3\text{mm}$	$y=4.0\text{mm}$	$y=4.6\text{mm}$	$y=3.2\text{mm}$	$y=3.8\text{mm}$
$gms=110$	$gms=110$	$gms=110$	$gms=110$	$gms=110$	$gms=110$	$gms=110$
Asmed 25183-00	Asmed 25184-00	Asmed 25185-00	Asmed 25186-00	Asmed 25187-00	Asmed 25188-00	Asmed 25189-00

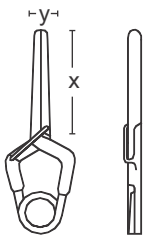
						
$x=4.0\text{mm}$	$x=5.0\text{mm}$	$x=4.0\text{mm}$	$x=5.0\text{mm}$	$x=7.0\text{mm}$	$x=4.0\text{mm}$	$x=4.0\text{mm}$
$y=3.6\text{mm}$	$y=3.8\text{mm}$	$y=3.6\text{mm}$	$y=4.0\text{mm}$	$y=4.4\text{mm}$	$y=3.6\text{mm}$	$y=3.5\text{mm}$
$gms=110$	$gms=110$	$gms=110$	$gms=110$	$gms=110$	$gms=110$	$gms=110$
Asmed 25190-00	Asmed 25191-00	Asmed 25192-00	Asmed 25193-00	Asmed 25194-00	Asmed 25195-00	Asmed 25196-00

					
$x=5.0\text{mm}$	$x=5.0\text{mm}$	$x=6.0\text{mm}$	$x=4.0\text{mm}$	$x=7.0\text{mm}$	$x=7.0\text{mm}$
$y=4.0\text{mm}$	$y=3.5\text{mm}$	$x=6.0\text{mm}$	$y=7.0\text{mm}$	$y=5.7\text{mm}$	$y=4.5\text{mm}$
$gms=110$	$gms=130$	$gms=130$	$gms=130$	$gms=130\text{gms}$	$gms=130$
Asmed 25197-00	Asmed 25198-00	Asmed 25199-00	Asmed 25200-00	Asmed 25201-00	Asmed 25202-00



Aneurysm vessel-clips

Surgery



x = Jaw length

y = max. opening

gms = Pressure



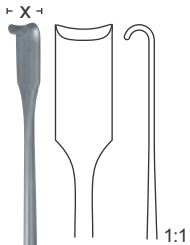
For titanium clips, please add a "T" to the reference number.

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
Asmed 25203-00	Asmed 25204-00	Asmed 25205-00	Asmed 25206-00	Asmed 25207-00	Asmed 25208-00

Nerve hooks

Surgery



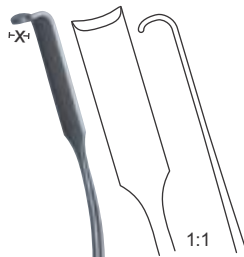
1:2

Scoville

230mm – 9"

x=8mm

Asmed 25236-23



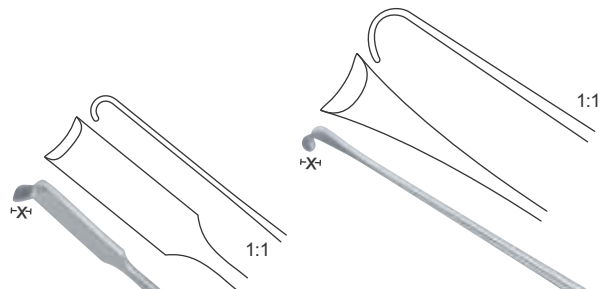
1:2

Holsher

240mm – 9½"

x=7mm

Asmed 25237-24



1:2

Scoville

200mm – 8"

x=7mm

Asmed 25238-19



1:2

Martin

210mm – 8¼"

x=7mm

Asmed 25239-19



Dura knives **Surgery**



1:2

Toennis



1:1



1:1

150mm – 6"	190mm – 7 ½"
Asmed 25303-13	Asmed 25303-19



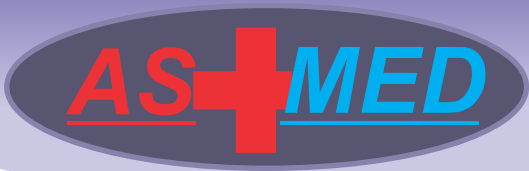
1:2

Halle




1:1


200mm – 8"	Asmed 25304-20
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Nerve hooks - Dura hooks

Surgery






Smithwick		1:1
170mm – 6¾"	Asmed 25285-17	
210mm – 8¼"	Asmed 25285-21	



Hoen		1:1
220mm – 8¾"	Asmed 25289-22	

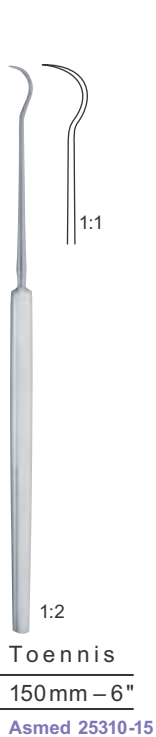
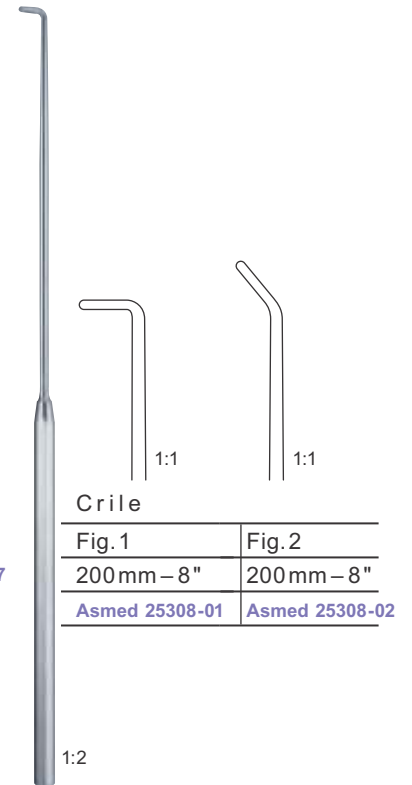
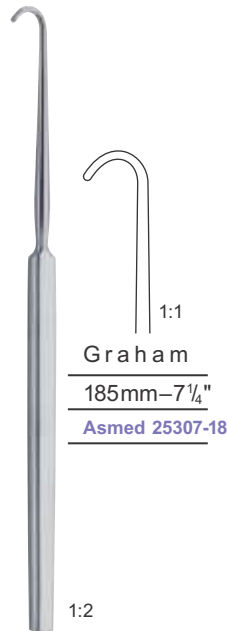
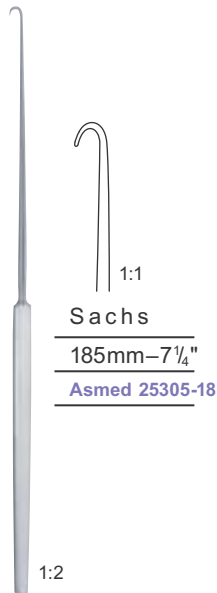
1:2



Cushing		1:1		1:1
190mm – 7½"	Asmed 25301-19	Asmed 25302-19		
280mm – 11"	Asmed 25301-28	Asmed 25302-28		

Nerve hooks - Dura hooks

Surgery

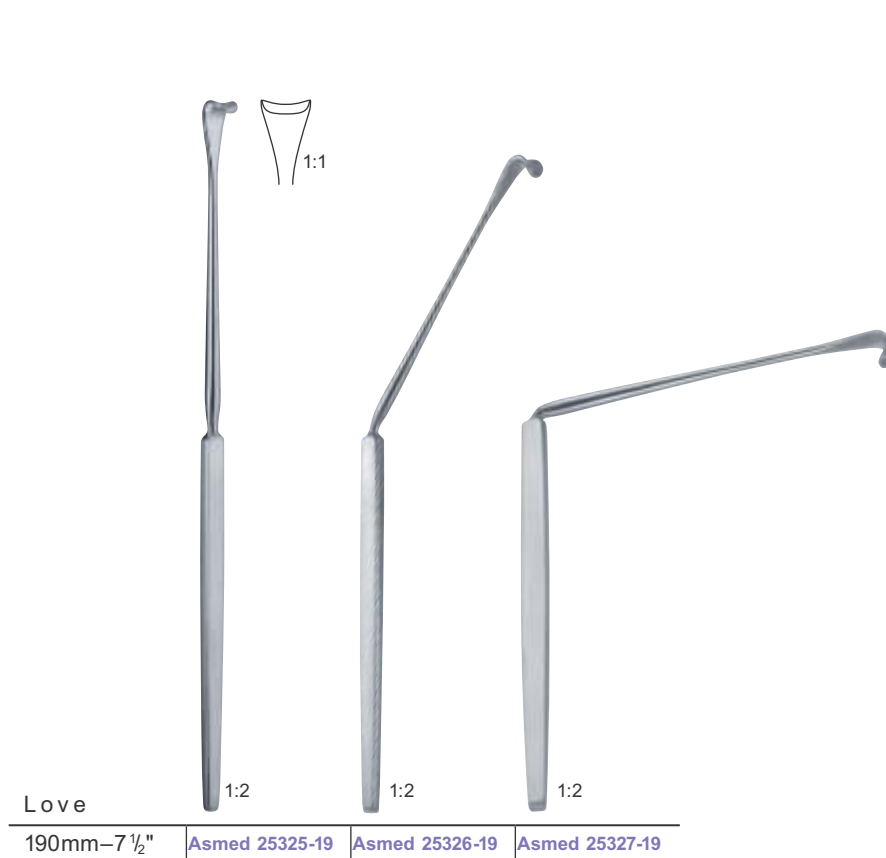


200mm-8"	Asmed 25315-20	Asmed 25316-20	Asmed 25317-20
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200mm-8"	Asmed 25320-20	Asmed 25321-20
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Nerve hooks - Dura hooks

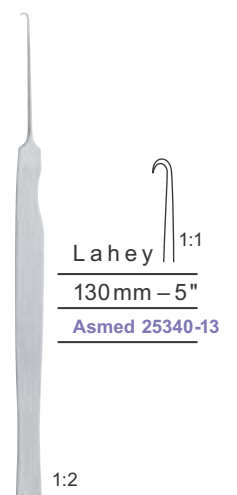
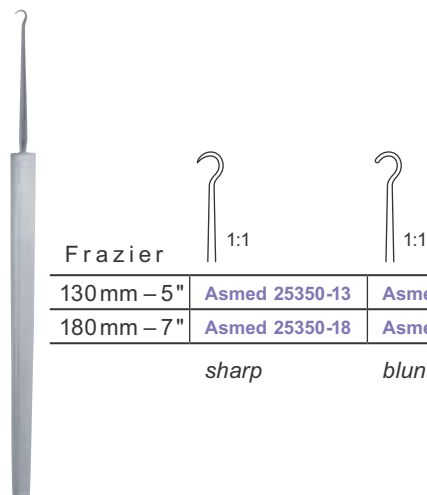
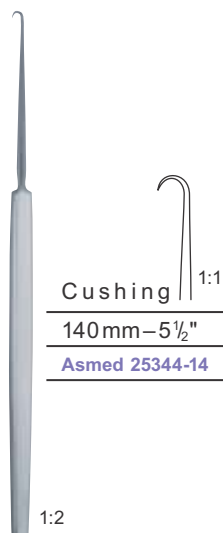
Surgery



Yasargil

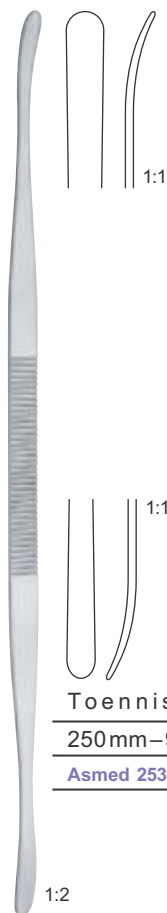
310mm - 12 1/4"	Asmed 25399-01
410mm - 16 1/4"	Asmed 25399-02

Galeahaken
Galea retractor
Retracteur Galea
Retractor de Galea
Rettrotore di Galea



Dura dissectors

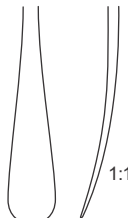
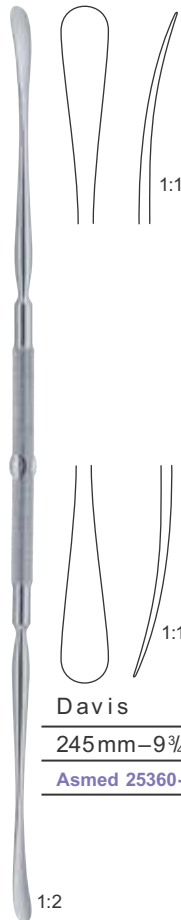
Surgery



Toennis

250mm-9³/₄"

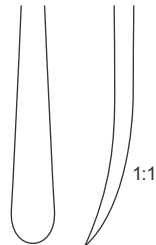
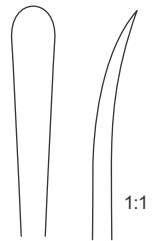
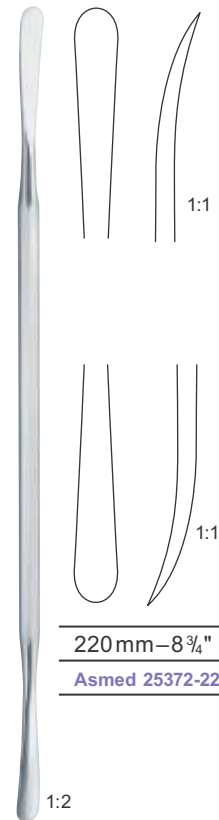
Asmed 25390-25



Davis

245mm-9³/₄"

Asmed 25360-24

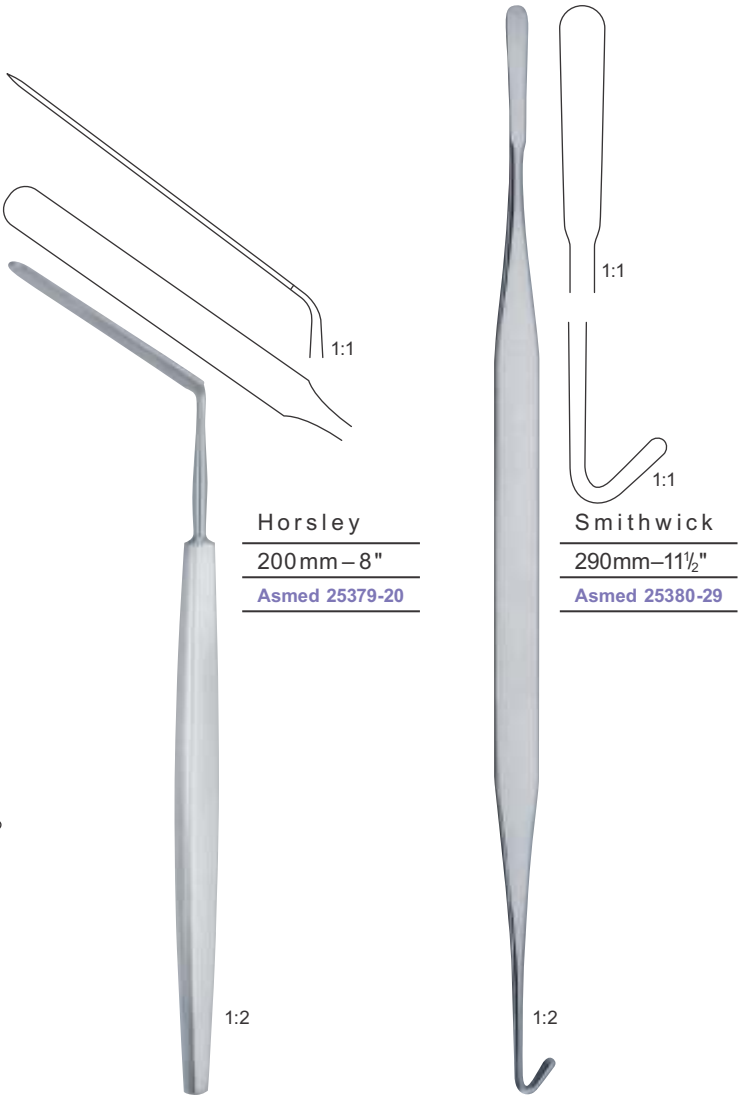


220mm-8³/₄"

Asmed 25372-22

Dura dissectors

Surgery



Horsley

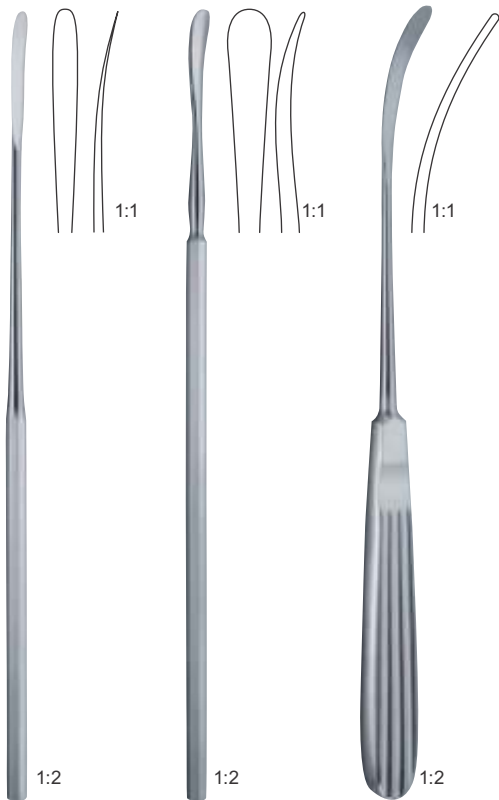
200mm – 8"

Asmed 25379-20

Smithwick

290mm – 11½"

Asmed 25380-29



Sachs

1:2

1:2

1:2

210mm – 8¼"

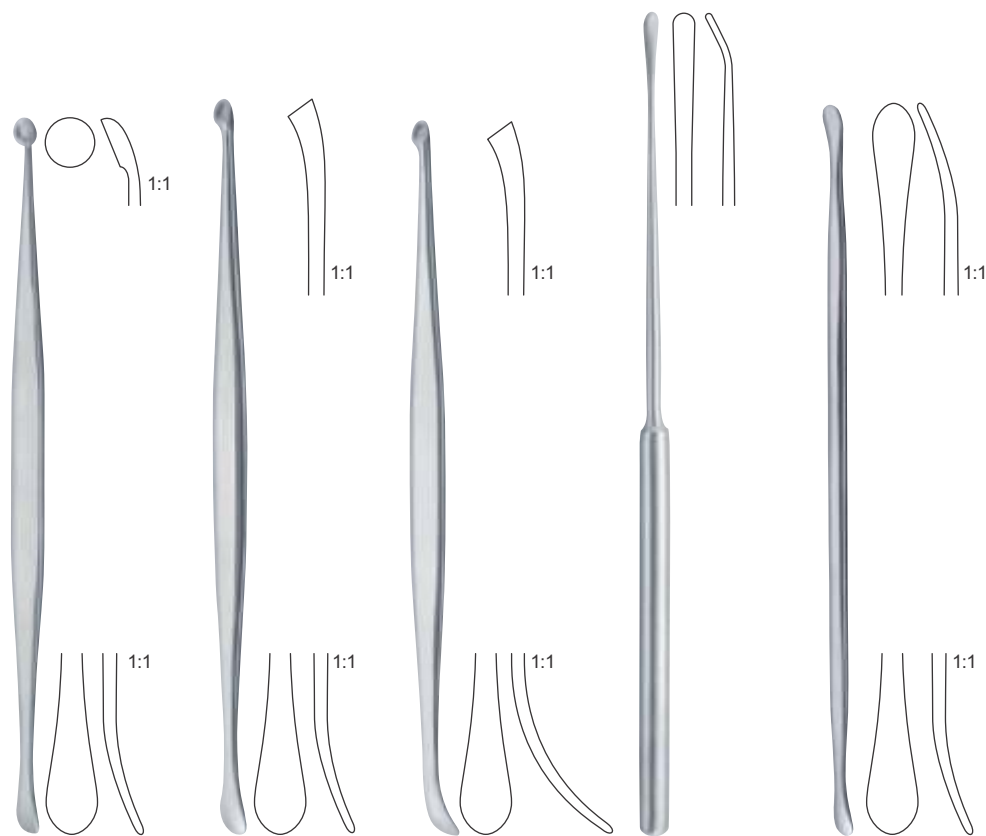
Asmed 25385-21

Asmed 25386-21

Asmed 25387-21

Dura dissectors

Surgery



Penfield






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

Neuro-micro dissectors

Surgery







1:1

Yasargil					
190mm-7½"	Asmed 25400-01	Asmed 25400-02	Asmed 25400-03	Asmed 25400-04	Asmed 25400-05

straight

190mm-7½"	Asmed 25401-01	Asmed 25401-02	Asmed 25401-03	Asmed 25401-04	Asmed 25401-05
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bayonet

Yasargil				
190mm-7½"	Asmed 25400-06	Asmed 25400-07	Asmed 25400-08	Asmed 25400-09

straight

190mm-7½"	Asmed 25401-06	Asmed 25401-07	Asmed 25401-08	Asmed 25401-09
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bayonet

		
190mm-7½"	Asmed 25400-10	Asmed 25400-11

straight, with Twist-fixationhook



Neuro-micro dissectors

Surgery



1:1



1:1

Kraus



1:1

Yasargil



1:1

Koos



1:1

Koos



1:1

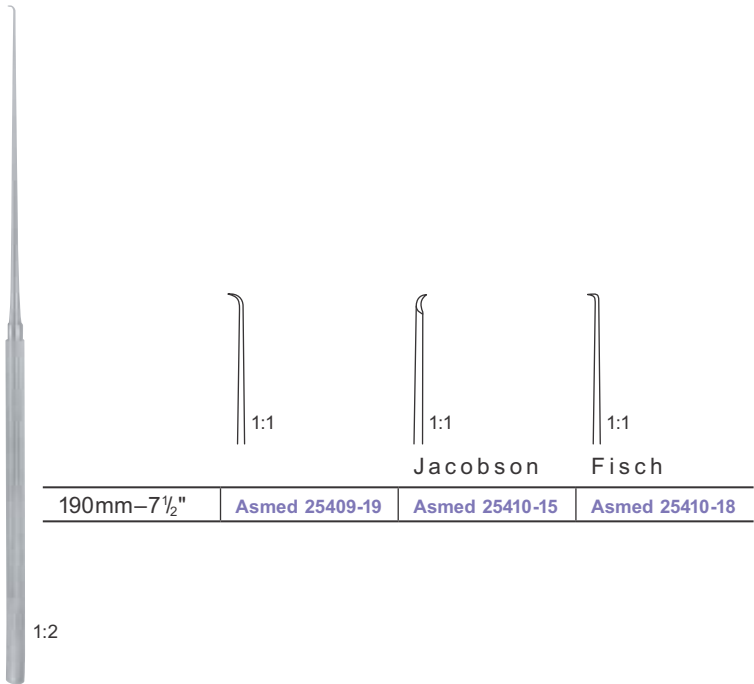
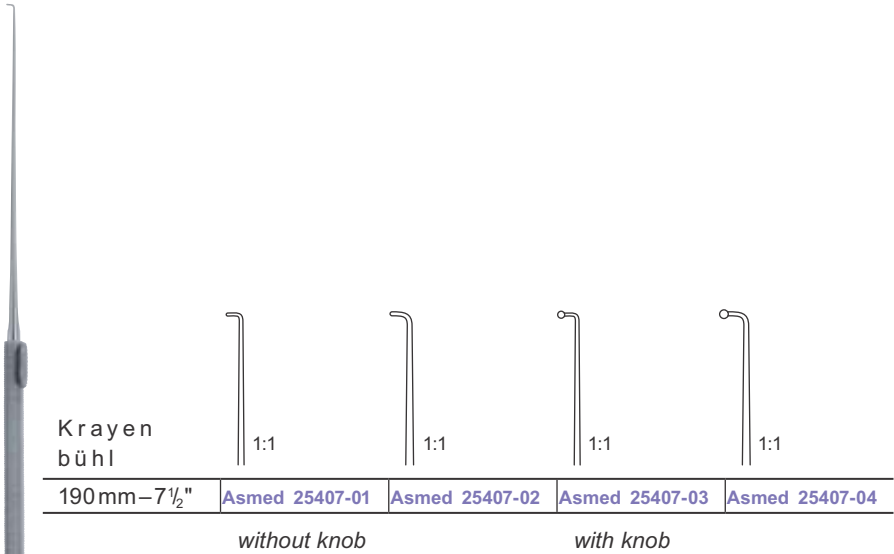
Koos

190mm-7 1/2"	Asmed 25410-19	Asmed 25410-20	Asmed 25411-16	Asmed 25411-17	Asmed 25411-18
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bayonet

Neuro-micro dissectors

Surgery





Neuro-micro dissectors and curettes

Surgery



Hardy

1:2

1:2

1:2

1:2

250mm-9 ³ / ₄ "	Asmed 25430-01	Asmed 25430-02	Asmed 25430-03	Asmed 25430-04
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bayonet, sharp inner edge



Hardy

1:2

1:2

	4 mm Ø	6 mm Ø
270mm-10 ³ / ₄ "	Asmed 25435-01	Asmed 25435-02

bayonet, malleable



Micro scissors

Surgery



Vannas



1:1



1:1

80mm – 3 1/4"

Asmed 9282-08

Asmed 9283-08

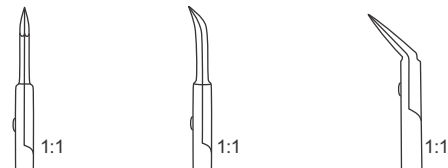
Vannas-blade

1:1

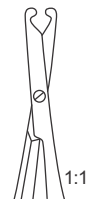
Micro scissors Surgery



120 mm-4 3/4 "	Asmed 25753-01	Asmed 25753-02
Blade 10 mm, sharp	straight	curved



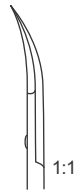
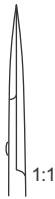
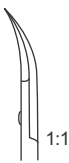
120 mm-4 3/4 "	Asmed 25753-03	Asmed 25753-04	Asmed 25753-05
Vannas-blade	straight	curved	angled up



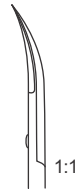
120 mm-4 3/4 "	Asmed 25753-06
Vein-blade (Biemer)	straight

Micro scissors

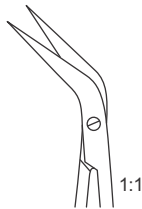
Surgery



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



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



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

angled on flat, 45°

Micro scissors

Surgery



120 mm – 4 3/4"	Asmed 25751-01	Asmed 25751-02
Long blades 14 mm, smooth, sharp	straight	curved

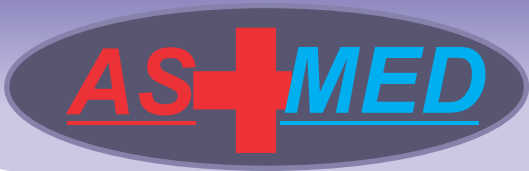


120 mm – 4 3/4"	Asmed 25751-03	Asmed 25751-04
Long blades 14 mm, sharp	straight, saw edge	curved, saw edge



145 mm – 5 3/4"	Asmed 25751-05	Asmed 25751-06
Vannas-blades, smooth, sharp	straight	curved





Micro scissors

Surgery



Yasargil

185 mm – 7 1/4"



1:1



1:1








1:1






Asmed 25500-18	Asmed 25501-18	Asmed 25502-18
straight	curved	angled on flat

Micro scissors

Surgery

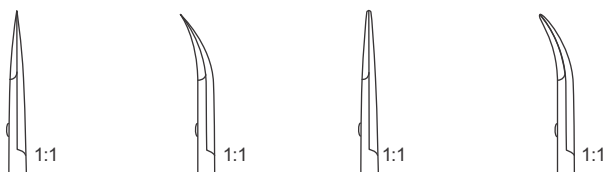


Yasargil					
	25°	45°	60°	90°	125°
170mm – 6¾"	Asmed 25754-25	Asmed 25754-45	Asmed 25754-60	Asmed 25754-90	Asmed 25754-12
with ball					

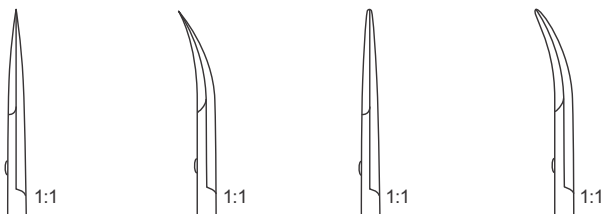
Yasargil					
	25°	45°	60°	90°	125°
170mm – 6¾"	Asmed 25755-25	Asmed 25755-45	Asmed 25755-60	Asmed 25755-90	Asmed 25755-12
without ball					

Micro dessecting scissors

Surgery



145 mm – 5 $\frac{3}{4}$ "	Asmed 25602-01	Asmed 25603-01	Asmed 25602-02	Asmed 25603-02
180 mm – 7"	Asmed 25610-01	Asmed 25611-01	Asmed 25610-02	Asmed 25611-02
short blades 8 mm, smooth	straight, sharp	curved, sharp	straight, blunt	curved, blunt







145 mm – 5 $\frac{3}{4}$ "	Asmed 25602-03	Asmed 25603-03	Asmed 25602-04	Asmed 25603-04
180 mm – 7"	Asmed 25610-03	Asmed 25611-03	Asmed 25610-04	Asmed 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"	Asmed 25612-12	Asmed 25613-12

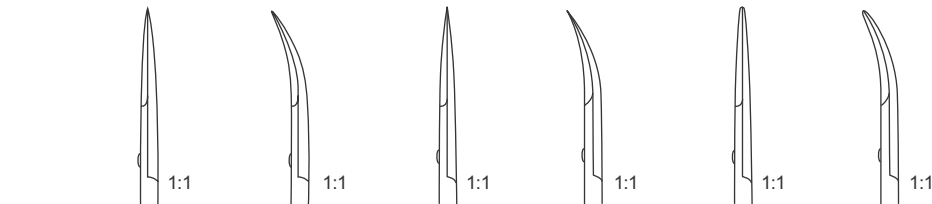
Vannas		
	8 mm Ø	8 mm Ø
150 mm – 6"	Asmed 25600-15	Asmed 25601-15

Castroviejo		
	8 mm Ø	8 mm Ø
150 mm – 6"	Asmed 25610-15	Asmed 25611-15



Micro scissors with round handle

Surgery



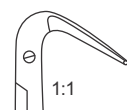
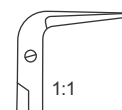
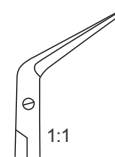
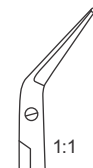
	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"
8 mm Ø	Asmed 25606-18	Asmed 25607-18				
10 mm Ø	Asmed 25602-18	Asmed 25603-18	Asmed 25618-18	Asmed 25619-18	Asmed 25620-18	Asmed 25621-18

Micro scissors with round handle

Surgery

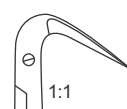
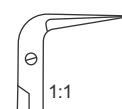
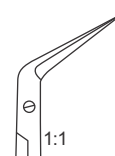
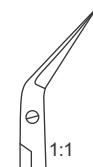


1:1



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

Blade 10 mm, with ball, sharp



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

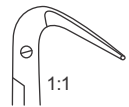
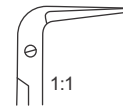
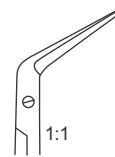
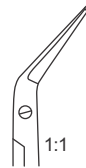
Blade 10 mm, without ball, sharp



90° twisted

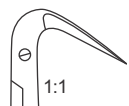
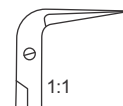
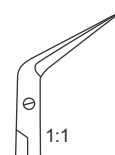
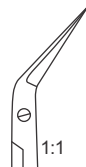
Micro scissors with round handle

Surgery



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

with ball



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

without ball

Micro scissors with round handle

Surgery



1:1

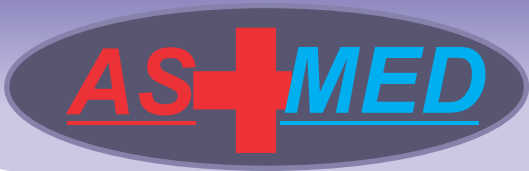


1:1



1:1


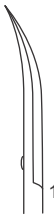
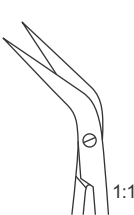
	9mm Ø	9mm Ø
150mm – 6"	Asmed 25680-15	Asmed 25681-15

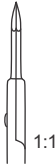
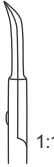


Micro scissors

Surgery



Jacobson			
	1:1	1:1	1:1
160mm – 6 1/4"	Asmed 25521-16	Asmed 25522-16	Asmed 25520-16
180mm – 7"	Asmed 25521-18	Asmed 25522-18	Asmed 25520-18
	straight	curved	angled, 45°

		
	1:1	1:1
160mm – 6 1/4"	Asmed 25526-16	Asmed 25527-16
180mm – 7"	Asmed 25526-18	Asmed 25527-18
Vannas blade		

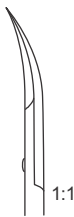
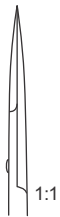


Micro scissors

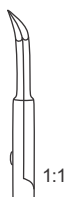
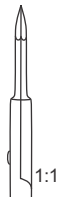
Surgery



Yasargil-mod.



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

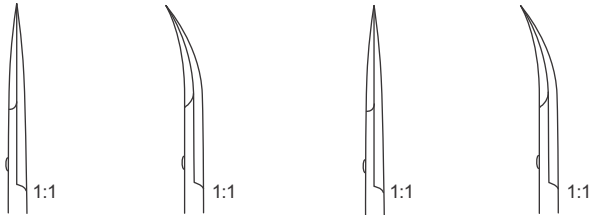


220mm – 8¾"	Asmed 25558-22	Asmed 25559-22
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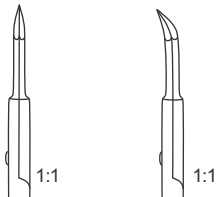
Vannas blade

Micro scissors

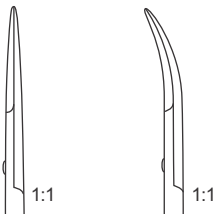
Surgery



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



200mm – 8"	Asmed 25760-05	Asmed 25760-06
225mm – 8¾"	Asmed 25761-05	Asmed 25761-06
Vannas blade		



200mm – 8"	Asmed 25760-07	Asmed 25760-08
225mm – 8¾"	Asmed 25761-07	Asmed 25761-08
Dissector blade, blunt		

Fixation forceps - Vascular dilators

Surgery



Typ
Juwelier

←X→



1:1



1:1



1:1



1:1



1:1

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



Pierse



1:1

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



1:1



1:1



1:1

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

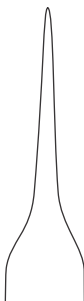

very fine



Micro suture tying forceps

Surgery



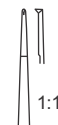
Lazar		
	0.5mm	0.8mm
155mm – 6"	Asmed 26016-01	Asmed 26016-02

Micro suture tying forceps

Surgery

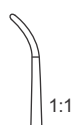


1:1



	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	Asmed 25695-01	Asmed 25695-02	Asmed 25695-05	Asmed 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"	Asmed 25695-09	Asmed 25695-10	Asmed 25695-13	Asmed 25695-14
Tying platform 6.0 mm x 0.4 mm, diamond coated			1x2	1x2

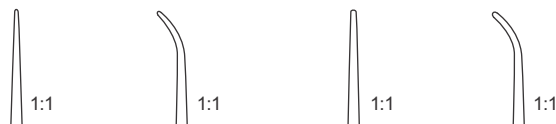


	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	Asmed 25695-03	Asmed 25695-04	Asmed 25695-07	Asmed 25695-08
Tying platform 6.0 mm x 0.8 mm, smooth			1x2	1x2

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

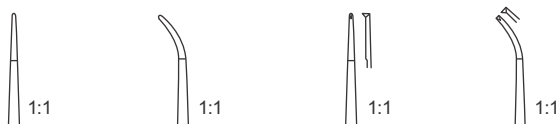
Micro forceps

Surgery



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

Jaw smooth

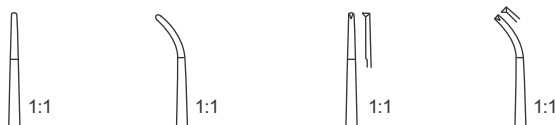


8mm Ø	0.3mm	0.3mm	0.7mm	0.7mm
150mm – 6"	Asmed 25686-05	Asmed 25686-06	Asmed 25686-09	Asmed 25686-10
180mm – 7"	Asmed 25687-05	Asmed 25687-06	Asmed 25687-09	Asmed 25687-10
210mm – 8¼"	Asmed 25688-05	Asmed 25688-06	Asmed 25688-09	Asmed 25688-10
230mm – 9"	Asmed 25689-05	Asmed 25689-06	Asmed 25689-09	Asmed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

Tying platform 6.0 mm x 0.3 mm, smooth

1x2

1x2



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

Tying platform 6.0 mm x 0.7 mm, smooth

1x2

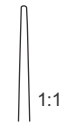
1x2

Micro forceps

Surgery

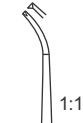
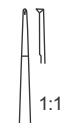


diamantiert



8mm Ø	0.3mm	0.3mm	0.7mm	0.7mm
150mm – 6"	Asmed 25686-13	Asmed 25686-14	Asmed 25686-15	Asmed 25686-16
180mm – 7"	Asmed 25687-13	Asmed 25687-14	Asmed 25687-15	Asmed 25687-16
210mm – 8 1/4"	Asmed 25688-13	Asmed 25688-14	Asmed 25688-15	Asmed 25688-16
230mm – 9"	Asmed 25689-13	Asmed 25689-14	Asmed 25689-15	Asmed 25689-16

diamond coated

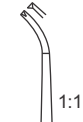


8mm Ø	0.3mm	0.3mm	0.7mm	0.7mm
150mm – 6"	Asmed 25686-17	Asmed 25686-18	Asmed 25686-21	Asmed 25686-22
180mm – 7"	Asmed 25687-17	Asmed 25687-18	Asmed 25687-21	Asmed 25687-22
210mm – 8 1/4"	Asmed 25688-17	Asmed 25688-18	Asmed 25688-21	Asmed 25688-22
230mm – 9"	Asmed 25689-17	Asmed 25689-18	Asmed 25689-21	Asmed 25689-22

Tying platform 6.0 mm x 0.3 mm, diamond coated

1x2

1x2



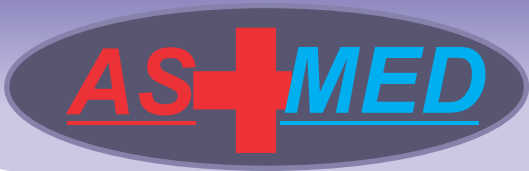
8mm Ø	0.3mm	0.3mm	0.7mm	0.7mm
150mm – 6"	Asmed 25686-19	Asmed 25686-20	Asmed 25686-23	Asmed 25686-24
180mm – 7"	Asmed 25687-19	Asmed 25687-20	Asmed 25687-23	Asmed 25687-24
210mm – 8 1/4"	Asmed 25688-19	Asmed 25688-20	Asmed 25688-23	Asmed 25688-24
230mm – 9"	Asmed 25689-19	Asmed 25689-20	Asmed 25689-23	Asmed 25689-24

Tying platform 6.0 mm x 0.7 mm, diamond coated

1x2

1x2









Micro forceps **Surgery**






Jacobson

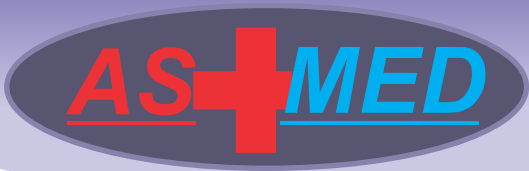
				
160mm – 6 1/4"	Asmed 25733-01	Asmed 25733-02	Asmed 25733-03	Asmed 25733-04
180mm – 7"	Asmed 25734-01	Asmed 25734-02	Asmed 25734-03	Asmed 25734-04
	straight, sharp	straight, blunt	angled, sharp	angled, blunt

160mm – 6 1/4"	Asmed 25733-05	Asmed 25733-06	Asmed 25733-07	Asmed 25733-08
180mm – 7"	Asmed 25734-05	Asmed 25734-06	Asmed 25734-07	Asmed 25734-08
diamond coated	straight, sharp	straight, blunt	angled, sharp	angled, blunt

Micro forceps **Surgery**



Yasargil	 1:1	 1:1	 1:1
	225 mm – 8 3/4"	225 mm – 8 3/4"	225 mm – 8 3/4"
	3.0 mm Asmed 25580-03	3.0 mm Asmed 25581-03	3.0 mm Asmed 25582-03
	5.0 mm Asmed 25580-05	5.0 mm Asmed 25581-05	5.0 mm Asmed 25582-05
	<i>spoon form</i>	<i>plan toothed</i>	<i>curette form</i>



Micro forceps **Surgery**



200mm – 8"	Asmed 25732-05	Asmed 25732-06	Asmed 25732-07	Asmed 25732-08
225mm – 8 3/4"	Asmed 25732-13	Asmed 25732-14	Asmed 25732-15	Asmed 25732-16
diamond coated	straight, sharp	straight, blunt	angled, sharp	angled, blunt





225mm – 8 3/4"	Asmed 25876-22 Titan	Asmed 25877-22 Titan
	straight, sharp	straight, blunt

200mm – 8"	Asmed 25732-03	Asmed 25732-04
225mm – 8 3/4"	Asmed 25732-11	Asmed 25732-12
	angled, sharp	angled, blunt

Micro-forceps with round handle

Surgery



				
	9mm Ø	9mm Ø	9mm Ø	9mm Ø
210mm – 8¼"	Asmed 25730-01	Asmed 25730-02	Asmed 25730-03	Asmed 25730-04
230mm – 9"	Asmed 25730-09	Asmed 25730-10	Asmed 25730-11	Asmed 25730-12
	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

	9mm Ø	9mm Ø	9mm Ø	9mm Ø
210mm – 8¼"	Asmed 25730-05	Asmed 25730-06	Asmed 25730-07	Asmed 25730-08
230mm – 9"	Asmed 25730-13	Asmed 25730-14	Asmed 25730-15	Asmed 25730-16
<i>diamond coated</i>	<i>straight, sharp</i>	<i>straight, blunt</i>	<i>angled, sharp</i>	<i>angled, blunt</i>

Micro ring forceps

Surgery



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

smooth

slightly serrated smooth

slightly serrated diamond coated diamond coated



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

smooth





slightly serrated smooth



slightly serrated diamond coated diamond coated

Micro ring forceps

Surgery



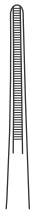
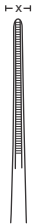
				
	1:1	1:1	1:1	1:1
9mm Ø	1.0mmx0.5mm	1.0mmx0.5mm	2.0mmx1.0mm	2.0mmx1.0mm
210mm – 8 1/4"	Asmed 25731-01	Asmed 25731-02	Asmed 25731-03	Asmed 25731-04
230mm – 9"	Asmed 25731-07	Asmed 25731-08	Asmed 25731-09	Asmed 25731-10
	<i>smooth</i>	<i>serrated</i>	<i>smooth</i>	<i>serrated</i>

		
	1:1	1:1
9mm Ø	1.0mmx0.5mm	2.0mmx1.0mm
210mm – 8 1/4"	Asmed 25731-05	Asmed 25731-06
230mm – 9"	Asmed 25731-11	Asmed 25731-12
	<i>diamond coated</i>	



Atraumatic Micro forceps





Surgery



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

Micro needle holders

Surgery

Castroviejo				
x = 11.0mmx0.75mm				
140mm – 5½"	Asmed 40910-14	Asmed 40911-14	Asmed 40912-14	Asmed 40913-14
without ratchet, fine jaws	straight	curved	straight, diamond coated	curved, diamond coated

x = 11.0mmx0.75mm				
140mm – 5½"	Asmed 40915-14	Asmed 40917-14	Asmed 40918-14	Asmed 40919-14
with ratchet, fine jaws	straight	curved	straight, diamond coated	curved, diamond coated







1:1





Micro needle holders

Surgery



Jacobson	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	Asmed 25740-01	Asmed 25740-02	Asmed 25740-13	Asmed 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"	Asmed 25740-03	Asmed 25740-04	Asmed 25740-15	Asmed 25740-16
with ratchet	straight	curved	straight, diamond coated	curved, diamond coated





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

180 mm – 7"	Asmed 25740-07 tucar	Asmed 25740-08 tucar	Asmed 25740-11 tucar	Asmed 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
180mm – 7"	Asmed 25512-18	Asmed 25513-18	Asmed 25514-18	Asmed 25515-18
200mm – 8"	Asmed 25512-20	Asmed 25513-20	Asmed 25514-20	Asmed 25515-20
<i>without ratchet</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>





180mm – 7"	Asmed 25510-18	Asmed 25511-18	Asmed 25516-18	Asmed 25517-18
200mm – 8"	Asmed 25510-20	Asmed 25511-20	Asmed 25516-20	Asmed 25517-20
<i>with ratchet</i>	<i>straight</i>	<i>curved</i>	<i>straight, diamond coated</i>	<i>curved, diamond coated</i>

Micro needle holders with round handle

Surgery



Yasargil	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	Asmed 25623-01	Asmed 25623-02	Asmed 25623-13	Asmed 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 – 8 1/4"	Asmed 25623-03	Asmed 25623-04	Asmed 25623-15	Asmed 25623-16
with ratchet	straight	curved	straight, diamond coated	curved, diamond coated

	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	Asmed 25623-05 tucar	Asmed 25623-06 tucar	Asmed 25623-09 tucar	Asmed 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 – 8 1/4"	Asmed 25623-07 tucar	Asmed 25623-08 tucar	Asmed 25623-11 tucar	Asmed 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	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	Asmed 25623-01	Asmed 25623-02	Asmed 25623-13	Asmed 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 – 8 1/4"	Asmed 25623-03	Asmed 25623-04	Asmed 25623-15	Asmed 25623-16
with ratchet	straight	curved	straight, diamond coated	curved, diamond coated

	 1:1	 1:1	 1:1	 1:1
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	Asmed 25623-05 tucar	Asmed 25623-06 tucar	Asmed 25623-09 tucar	Asmed 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 – 8 1/4"	Asmed 25623-07 tucar	Asmed 25623-08 tucar	Asmed 25623-11 tucar	Asmed 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



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

without ratchet

straight

curved

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

with ratchet





straight

curved

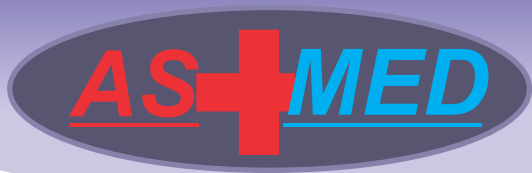
Micro needle holders with round handle

Surgery



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

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



Micro needle holder

Surgery



1:1

150mm – 6"	9mm Ø	Asmed 25685-15
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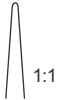
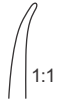
without ratchet, curved

1:1

Micro needle holder

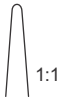
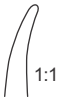
Surgery



	 1:1	 1:1
	0.3mmx0.4mm	0.3mmx0.4mm
180mm – 7"	Asmed 25685-07	Asmed 25685-08

Titanium, with ratchet

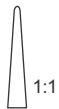


	 1:1	 1:1
	0.8mmx0.8mm	0.8mmx0.8mm
185mm – 7 1/4"	Asmed 25685-09	Asmed 25685-10

Titanium, with ratchet

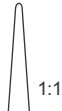
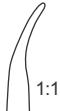
Micro needle holder

Surgery



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

Titanium, with ratchet

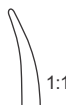
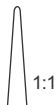


	0.4x0.6mm	0.4x0.6mm	0.6x0.6mm	0.6x0.6mm
200mm – 8"	Asmed 25685-13	Asmed 25685-14	Asmed 25685-15	Asmed 25685-16

Titanium, with ratchet

Micro needle holder

Surgery



225 mm – 8 3/4"	Asmed 25563-22	Asmed 25564-22
225 mm – 8 3/4"	Asmed 25565-22	Asmed 25566-22

225 mm – 8 3/4"	Asmed 25863-22 Titan	Asmed 25864-22 Titan
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without ratchet

225 mm – 8 3/4"	Asmed 25567-22	Asmed 25568-22
225 mm – 8 3/4"	Asmed 25569-22	Asmed 25570-22

with ratchet

1:1

Micro needle holder 90° twisted

Surgery



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

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







These needle holders are also available with ratchet.

Micro needle holder

Surgery



Jacobson	 1:1	 1:1	 1:1	 1:1
180mm – 7"	Asmed 25701-01	Asmed 25701-02	Asmed 25701-05	Asmed 25701-06
without ratchet	straight	curved	straight, diamond coated	curved, diamond coated

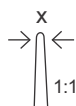
180mm – 7"	Asmed 25701-03	Asmed 25701-04	Asmed 25701-07	Asmed 25701-08
with ratchet	straight	curved	straight, diamond coated	curved, diamond coated



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"	Asmed 25624-01	Asmed 25624-02	Asmed 25624-13	Asmed 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"	Asmed 25624-03	Asmed 25624-04	Asmed 25624-15	Asmed 25624-16
with ratchet	straight	curved	straight, diamond coated	curved, diamond coated

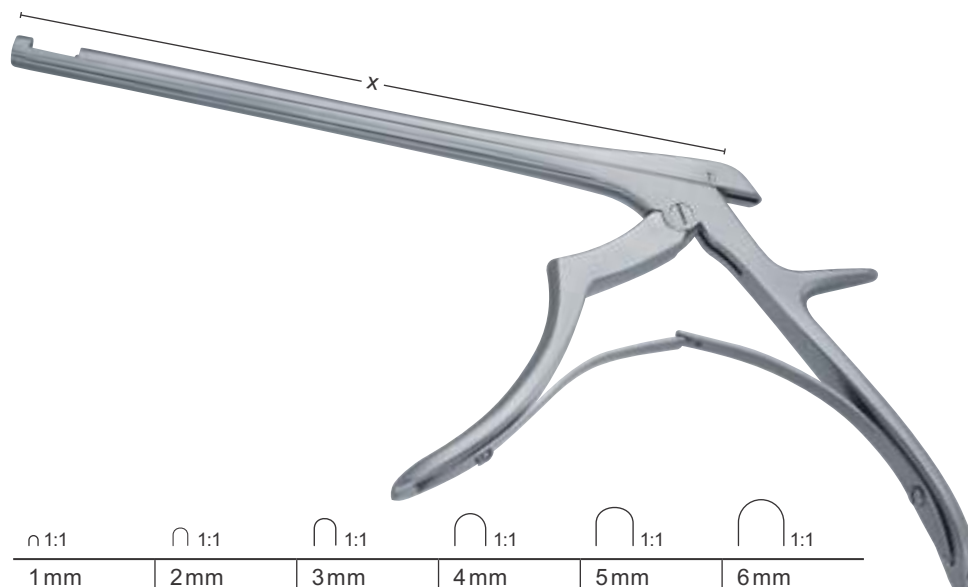


9 mm Ø				
230 mm – 9"	Asmed 25624-05 tucar	Asmed 25624-06 tucar	Asmed 25624-09 tucar	Asmed 25624-10 tucar
without ratchet	straight, smooth	curved, smooth	straight, serrated	curved, serrated

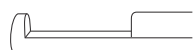
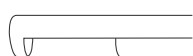
9 mm Ø				
230 mm – 9"	Asmed 25624-07 tucar	Asmed 25624-08 tucar	Asmed 25624-11 tucar	Asmed 25624-12 tucar
with ratchet	straight, smooth	curved, smooth	straight, serrated	curved, serrated

Laminectomy punches

Surgery



Ferris- Smith-Kerrison

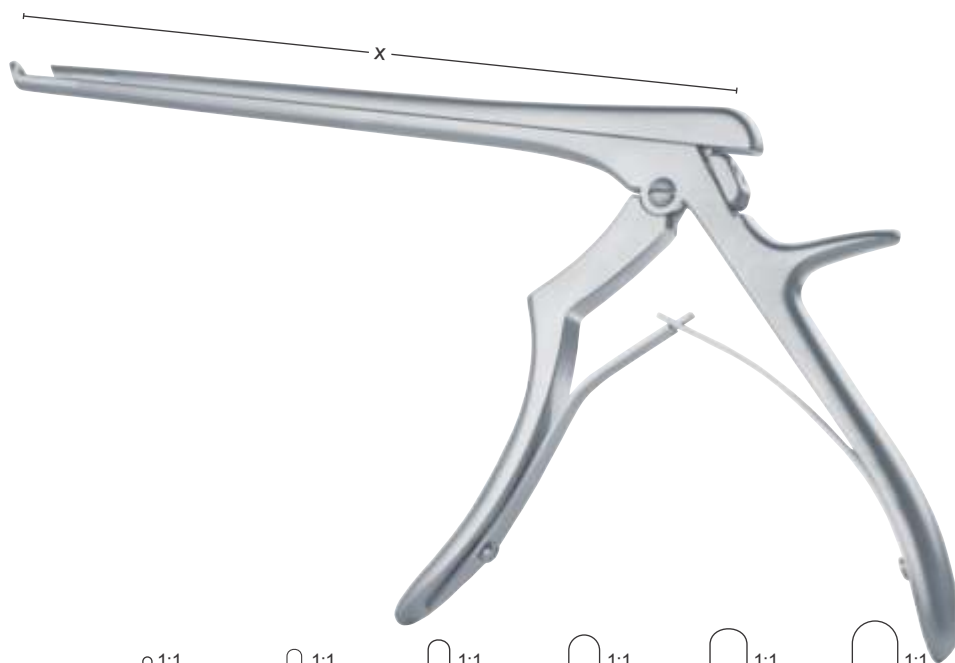


Thin footplate

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

Dismantable laminectomy punches

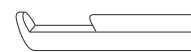
Surgery



1mm	2mm	3mm	4mm	5mm	6mm
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Ferris- Smith-Kerrison

	x=180mm – 7"	x=200mm – 8"	x=230mm – 9"
1mm	Asmed 28002-01Z		
2mm	Asmed 28002-02Z		Asmed 28008-02Z
3mm	Asmed 28002-03Z		Asmed 28008-03Z
4mm	Asmed 28002-04Z		Asmed 28008-04Z
5mm	Asmed 28002-05Z		Asmed 28008-05Z
6mm	Asmed 28002-06Z		Asmed 28008-06Z
1mm	Asmed 28006-01Z		
2mm	Asmed 28006-02Z		Asmed 28009-02Z
3mm	Asmed 28006-03Z		Asmed 28009-03Z
4mm	Asmed 28006-04Z		Asmed 28009-04Z
5mm	Asmed 28006-05Z		Asmed 28009-05Z
6mm	Asmed 28006-06Z		Asmed 28009-06Z
1mm	Asmed 28011-01Z		
2mm	Asmed 28011-02Z	Asmed 28013-02Z	Asmed 28015-02Z
3mm	Asmed 28011-03Z	Asmed 28013-03Z	Asmed 28015-03Z
4mm	Asmed 28011-04Z	Asmed 28013-04Z	Asmed 28015-04Z
5mm	Asmed 28011-05Z	Asmed 28013-05Z	Asmed 28015-05Z
6mm	Asmed 28011-06Z	Asmed 28013-06Z	Asmed 28015-06Z
1mm	Asmed 28090-01Z		
2mm	Asmed 28090-02Z		Asmed 28095-02Z
3mm	Asmed 28090-03Z		Asmed 28095-03Z
4mm	Asmed 28090-04Z		Asmed 28095-04Z
5mm	Asmed 28090-05Z		Asmed 28095-05Z
6mm	Asmed 28090-06Z		Asmed 28095-06Z



Thin footplate

Dismantable laminectomy punches

Surgery

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.*



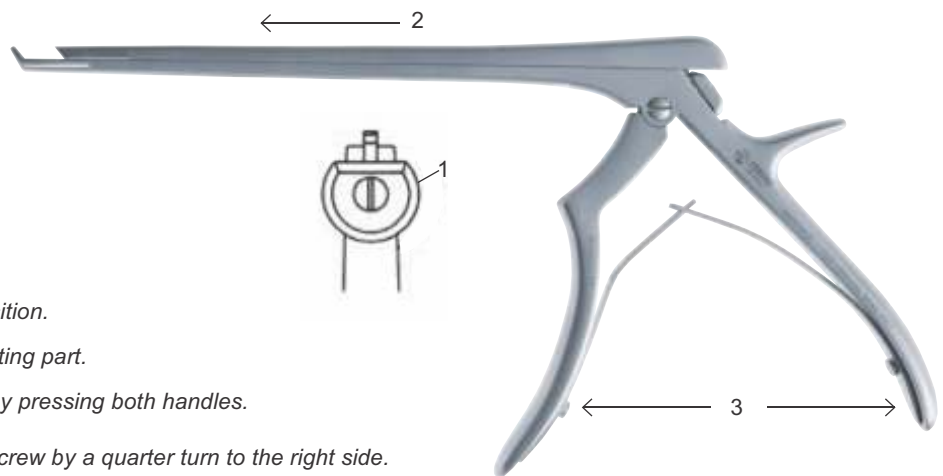
Dismantable laminectomy punches

Surgery

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.

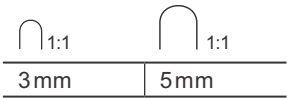
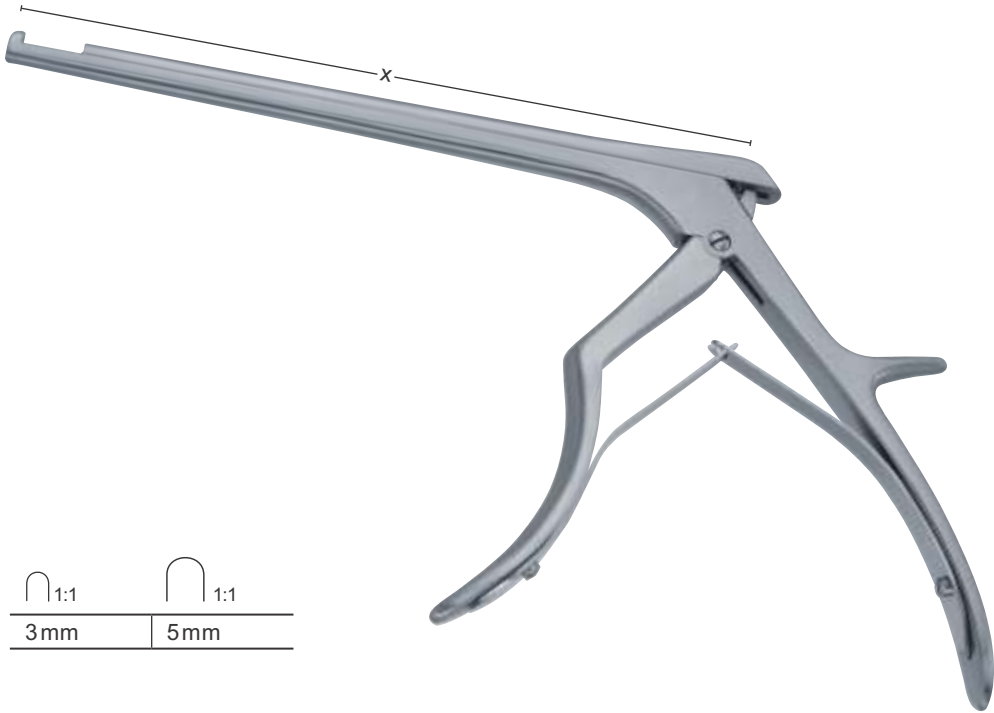




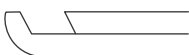
Ready for use

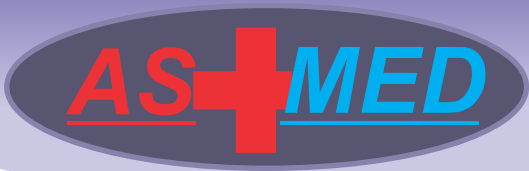


Laminectomy punches

Surgery



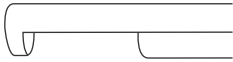
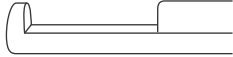
Colclough			
	x= 150mm – 6"	x=200mm – 8"	
	3mm	Asmed 28016-03	Asmed 28017-03
	5mm	Asmed 28016-05	Asmed 28017-05
	3mm	Asmed 28018-03	Asmed 28019-03
	5mm	Asmed 28018-05	Asmed 28019-05
	3mm	Asmed 28022-03	Asmed 28023-03
	5mm	Asmed 28022-05	Asmed 28023-05



Laminectomy punches

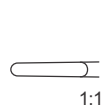
Surgery



Ferris-Smith-Kerrison		
		x= 180mm – 7"
	5mm	Asmed 28024-01
		
	5mm	Asmed 28024-02

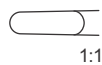
Laminectomy punches

Surgery



Cushing

	2mmx10mm	2mmx10mm	2mmx10mm
x = 130 mm – 5"	Asmed 28030-13	Asmed 28031-13	Asmed 28033-13
x = 180 mm – 7"	Asmed 28030-18	Asmed 28031-18	Asmed 28033-18
x = 220 mm – 8 ³ / ₄ "	Asmed 28030-22	Asmed 28031-22	Asmed 28033-22



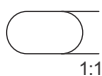
Love-Gruenwald

	3mmx10mm	3mmx10mm	3mmx10mm
x = 130 mm – 5"	Asmed 28034-13	Asmed 28035-13	Asmed 28037-13
x = 180 mm – 7"	Asmed 28034-18	Asmed 28035-18	Asmed 28037-18
x = 220 mm – 8 ³ / ₄ "	Asmed 28034-22	Asmed 28035-22	Asmed 28037-22



Spurling

	4mmx10mm	4mmx10mm	4mmx10mm
x = 130 mm – 5"	Asmed 28038-13	Asmed 28039-13	Asmed 28041-13
x = 180 mm – 7"	Asmed 28038-18	Asmed 28039-18	Asmed 28041-18
x = 220 mm – 8 ³ / ₄ "	Asmed 28038-22	Asmed 28039-22	Asmed 28041-22



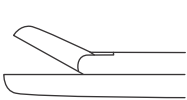
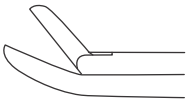
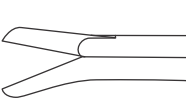




Cloward

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

Laminectomy punches

Surgery



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

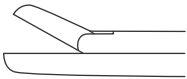
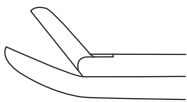
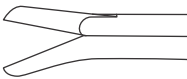
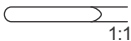





Other lengths and executions are available upon request.

Laminectomy rongeurs

Surgery



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

Laminectomy rongeurs

Surgery



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

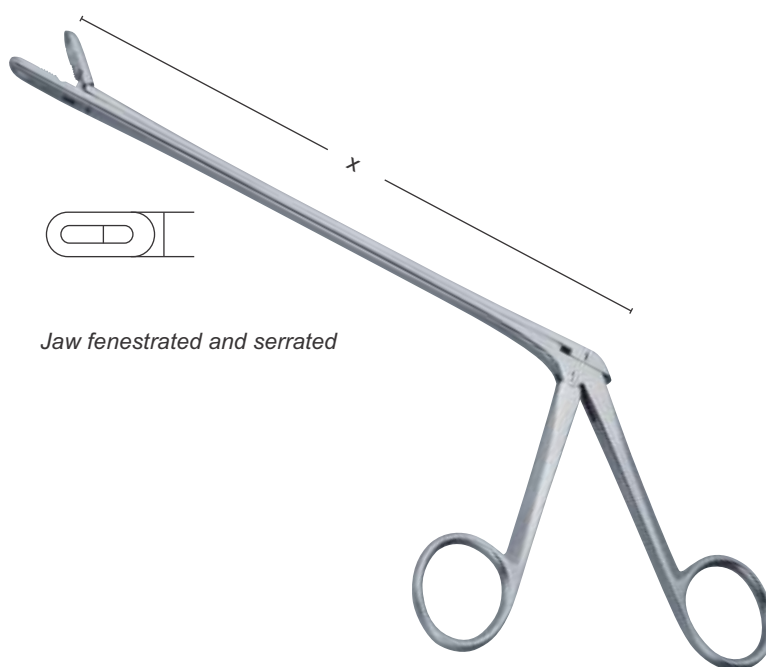


Schlesinger	
	3 mm x 10 mm
	x = 125 mm – 5"
190 mm – 7½"	Asmed 28070-19

saw edge

Laminectomy rongeurs

Surgery



Jaw fenestrated and serrated



Caspar

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



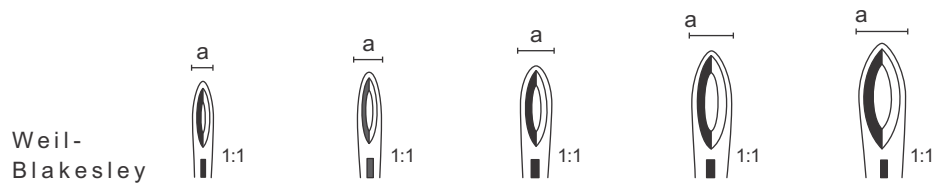
	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
3 mm x 12 mm	Asmed 28083-03	Asmed 28084-03	Asmed 28085-03
4 mm x 14 mm	Asmed 28083-04	Asmed 28084-04	Asmed 28085-04
5 mm x 14 mm		Asmed 28084-05	Asmed 28085-05



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

Laminectomy rongeurs

Surgery



Weil-
Blakesley

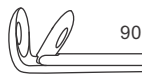
	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a=3.0mm	a=3.5mm	a=4.5mm	a=5.0mm	a=5.5mm
x=120mm – 4 ³ / ₄ "	Asmed 51155-01	Asmed 51155-02	Asmed 51155-03	Asmed 51155-04	Asmed 51155-05



0°



45°



90°

x=120mm – 4 ³ / ₄ "	Asmed 51158-01	Asmed 51158-02	Asmed 51158-03	Asmed 51158-04	
x=120mm – 4 ³ / ₄ "	Asmed 51159-01	Asmed 51159-02	Asmed 51159-03		



45°



90°

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



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

Asmed 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 Asmed 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

Asmed 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 Asmed 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.



Manufacturing Process

Tungsten Carbide Department

Asmed 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 instrument 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.

