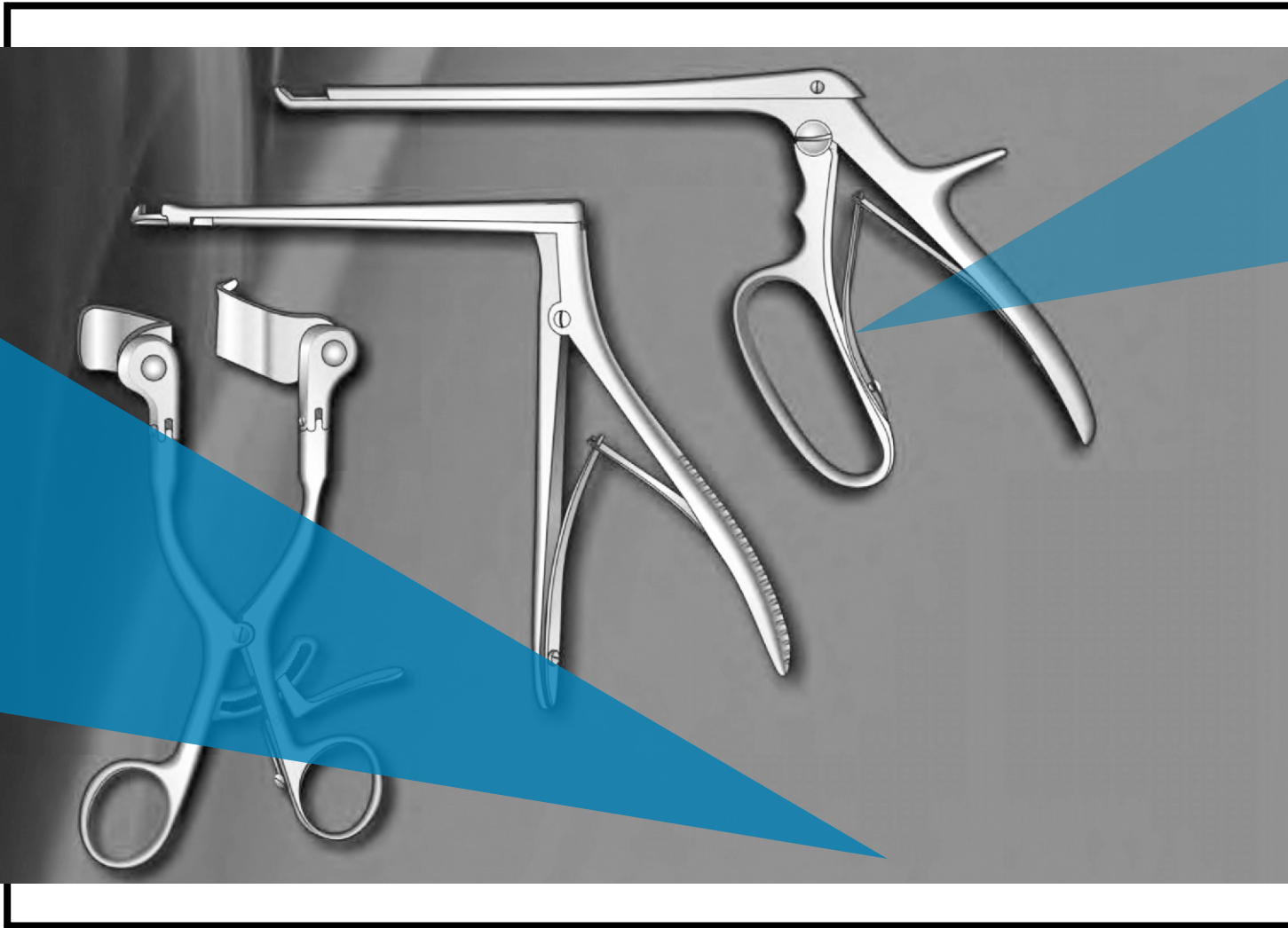




SAPTESTAR



**Manufacturers & Exporters Of Quality Surgical Instruments
Neurosurgery Catalogue**

Group 11

Neurosurgery & Laminectomy 11

-  +92-340-4040061
-  exportsaptestar@gmail.com
-  info@saptestar.com
-  www.saptestar.com
-  Defence Road, Near Hotel Javson, 51310-Sialkot Pakistan

Company Profile



ABOUT US

Quality begins at **SapteStar** Instruments Company where master craftsmen forge and manufacture each instrument to its exact specifications and measurements. Instruments must undergo a series of quality control inspections in order to be worthy of **SapteStar** name and warranty. We offer a wide selection of medical instruments including Surgical and Dental instruments.

We have acquired a unique and unmatched understanding of manufacturing through a large experience, working since 1908. Years of experience & state of the art manufacturing facilities helped us to keep our prices low. Our Surgical & Dental instruments are created by expert craftsmen, providing unfaltering quality you can rely on.

We have launched a fully interactive website where you can get online and track your orders 24 hours a day, 7 days in a week, and 365 days a year. Ask for our free e-catalogue on CD-Rom to save time and enjoy hassle free ordering.

We provide our customers with most reliable customer service as your satisfaction is our top priority. Our customers always enjoy our wonderful customer service and quality tools at the best price.

Lastly we invite you to have a work experience with SapteStar Instruments Company and we will prove ourselves as one of the most valuable source you have.

You can find us at

SapteStar
CEO



Company Profile



History

SAPTESTAR INSTRUMENTS was founded in 1995. Our Great Grandfather **Mian Muhammad Fazal Elahi** was the founder of M/s M.F. Elahi & Company (E.P.) Pvt. Ltd, established in 1908. SapteStar is a sister concern of M.F. Elahi & Co. It is our pride to be a member of M.F. Elahi Family.

SapteStar Instruments Company is located in the heart of beautiful city, Sialkot, Pakistan. We are manufacturers and exporters of quality Surgical, Dental instruments and Scissors of all sorts in various categories. We are closely attached with highly skilled surgeons and other technicians of the surgical industry to make the new instruments development possible.

SapteStar is in a continues process of development and testing of new instruments for their precision and perfect functioning. We are also working at imported forging supply by foreign customers.

Certificates

Instruments Company has achieved the certificates for ISO-9001, ISO-13485, cGMP (FDA) and CE Marking.

Quality Control

All material use in the manufacturing of our instruments are tested from relevant laboratories. Our continuous quality control is our best warranty so that you built confidence in our products.

Deliveries

Deliveries are quick and in-time.

Mode Of Payment

Terms of Payment is ADVANCE or LETTER OF CREDIT (Irrevocable)

Company Profile



Quality Policy

SapteStar Instruments Company aims to produce quality Surgical, Dental instruments and Scissors of all sorts at reasonable prices to become an exemplary manufacturer. Our total emphasize is to achieve customer's satisfaction by clearly understanding their requirements and following a quality management system which is a primary concern of all our work force. We do our best to produce instruments of finest quality.

<p><i>Certificate of Registration</i></p>  <p>The Governing Board of Q.A. International Certification Limited hereby grants to:</p> <p>SPTSTAR INSTRUMENTS CO. Registration No. QAIC / PK / 1224 - B</p> <p><small>(Whereafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the address given below in accordance with the quality management system in compliance with the Requirements of ISO 13485:2016.</small></p> <p>Address to which this Certificate refers: Defence Road, Near Wapda Grid Station, Sialkot - Pakistan</p> <p>Approved Scope to which this Certificate refers: Manufacture of Non-Active Surgical and Dental Instruments <small>(Please note that the above scope represents the certified activity of the named organisation and as such, the organisation may undertake additional activities that are not covered under this certification).</small></p> <p>Signed for and on behalf of the Board</p>  <p>CHIEF EXECUTIVE SCHEME MANAGER</p> <p>Certificate Issue Date: 14th July 2018 - Certificate Renewal Before: 13th July 2019 Date of Initial Registration: 14th July 2018 - Re-Certification Before: 13th July 2019</p> <p>This Certificate of Registration is granted subject to the Regulations approved by the Board.</p> 	<p><i>Certificate of Registration</i></p>  <p>The Governing Board of Q.A. International Certification Limited hereby grants to:</p> <p>SPTSTAR INSTRUMENTS CO. Registration No. QAIC / PK / 1224 - A</p> <p><small>(Whereafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the address given below in accordance with the quality management system in compliance with ISO 9001:2015.</small></p> <p>Address to which this Certificate refers: Defence Road, Near Wapda Grid Station, Sialkot - Pakistan</p> <p>Approved Scope to which this Certificate refers: Manufacture of Surgical and Dental Instruments <small>(Please note that the above scope represents the certified activity of the named organisation and as such, the organisation may undertake additional activities that are not covered under this certification).</small></p> <p>Signed for and on behalf of the Board</p>  <p>CHIEF EXECUTIVE SCHEME MANAGER</p> <p>Certificate Issue Date: 14th July 2018 - Certificate Renewal Before: 13th July 2019 Date of Initial Registration: 14th July 2018 - Re-Certification Before: 13th July 2019</p> <p>This Certificate of Registration is granted subject to the Regulations approved by the Board.</p> 	<p>CERTIFICATE</p>  <p>Application of Council Directive 93/42/EEC as updated directive 2007/47/EC for Class I Medical Devices This is certifying that the products submitted are:</p> <p>CLASS I MEDICAL DEVICES (Re-Useable, Non-Powered Surgical and Dental Instruments)</p> <p>Registration No. DCS/9904155</p> <p>Manufactured By: SPTSTAR INSTRUMENTS CO. Defence Road, Near Wapda Grid Station, Sialkot-Pakistan</p> <p>Comply with the applicable requirements of the Directive 93/42/EEC as updated directive 2007/47/EC for Class I Medical Devices</p> <p>The Technical file of the products have been assessed according to the procedure of Conformity Assessment described in the Annex -I, Annex VII.</p> <p>Limitations: The manufacturer must inform DCS of any substantial changes occurred in the Product or process in order to examine whether this certificate remains valid. Conformance to all the regulatory requirements is the sole responsibility of the manufacturer including the appointment of EU Authorized Representative and registration with concerned competent authority.</p> <p>CHAIRMAN SCHEME MANAGER</p>  <p>Certificate Issue Date: June 20, 2018 Certificate Expiry Date: June 29, 2019</p>  <p>www.dcsinternational.com</p>
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Warranty

All SapteStar Instruments are produced from finest stainless steel available to be free from any defect in material or workmanship. Any product that proves to be defective in material or workmanship will either be repaired or replaced without any charge. This warranty is void if the instrument is abused, altered, modified or is not used in the manner for which it is intended.



Neurosurgery & Laminectomy

11 neurosurgery & laminectomy

Beyer Laminectomy Punch	15	Micro Scissor Saw Edge	35
Caspar Blade	43	Micro Scissor Vannas Blade	35
Caspar Different Blade Size	42	Micro Scoop	06
Caspar For Cervical Retractor	41-40	Milligan	10
Caspar Retractor	40	Nicola	28
Caspar Rongeur	26	Oldberg Rongeur	27
Caspar Rongeur	27-26	Olivecrona (gigli)	01
Cervical Traction Tong	Tongs03	Olivecrona Conves Spatule	14
Citelli Laminectomy Punch	15	Olivecrona Dissector	11
Cone Cranial Punch	02	Penfield Dissector	12
Crutchfield Cervical Traction	03	Ray Curette	04
Crutchfield Drill Point	03	Ray Pituitary Instruments	28
Cushing Decompression Hook	13	Sachs	10
Cushing Laminectomy Rongeur	23	Scoville Different Blade	43
Cushing Spatule	14	Scoville Haverfield Retractor	42
Dahlgren Cranial Rongeur	02	Scoville Nerve Root Retractor	13
Davis Brain Malleable Spatule	14	Scoville Only Frame	43
De Martel (Bailey)	01	Spurling Laminectomy Rongeur	24
De Vilbiss With Hook	02	Takahashi Rongeur	22
Fahlbusch	29-28	Taylor Blade	43
Ferris-Smith Cushing Rongeur	21	Toennis Dure Dissector	11
Ferris-Smith-Kerrison	16,17,20	Weil-blakesley	22
For Cervical Vertebra Column	40	Yasargil Ligature Guides	09
Frazier Dure Separator	10	Yasargil Pituitary Rongeur	27
Gigli Handle	01	Yasargil Raspatory	07,08
Hajek-koffler	19	Yasargil Scoop	07
Hardy Curette	04	Yasargil Vessel Knife	07
Hardy Fahlbusch	28		
Hardy	04,05,28-30		
Hardy-Fahlbusch	05		
Heifetz Spatule	14		
Holsher Root Retractor	13		
Horsley	10		
Jacobson Buttoned Probe	08		
Jacobson Suture Pusher	08		
Jacobson Twin Probe	08		
Jacobson Vessel Knife	08		
Kerrison Punch	15		
Koos Vessel Knife	07		
Kraus	07		
Landolt Reulen	29		
Landolt-Cushing Specula	04		
Love Nerve Root Retractor	13		
Love-gruenwald Rongeur	25		
Love-Kerrison (Colclough)	17		
Love-Kerrison(Colclough)	18-17		
Loyo Pituitary Instrument	31		
Loyo	31-34		
Mico Dissector	06		
Mico Raspatory	06		
Micro Forcep	38-37		
Micro Tumor Grasping Forcep	37		
Micro Dissector	09		
Micro Forcep Angled	37		
Micro Instrument Hook	06		
Micro Needle Holder	39		
Micro Raspatory	09		
Micro Scissor Angled Blade	36-35		

Instruments for Cranial Opening
Instrumentos para apertura craneana
Instruments pour l'ouverture du crane



Olivecrona (Gigli)

- SS-11-101** 25 cm
- SS-11-102** 30 cm
- SS-11-103** 40 cm
- SS-11-104** 50 cm
- SS-11-105** 60 cm
- SS-11-106** 70 cm

Wire saws
Sierras de hilo
Fils-scies



GIGLI
SS-11-107
7 cm

Hook handles for wire saws, 1 pair
Mango con gancho, para sierras de hilo, 1 par
Poignees pour scies, 1 paire



DE MARTEL (BAILEY)
SS-11-108
33 cm

Conductor for wire saws
Conductor para sierras de hilo
Conducteur pour scies

Cranial Rongeur Forceps
Pinzas saca-bocado craneal
Rongeurs craniens



SS-11-112



SS-11-110



SS-11-113



Dahlgren
SS-11-109
20 cm
Cranial rongeur with 2 hooks (SS-11-110)
Pinza saca-bocado craneal con
2 ganchos (SS-11-110)
Rongeur craniens avec 2 crochets
(SS-11-110)



DE Vilbiss
SS-11-111
20.5 cm
Cranial rongeur with 1 hook each small
(SS-11-112) & large (SS-11-113)
Pinza saca-bocado craneal con 1 gancho
pequeno (SS-11-112) y grande (SS-11-113)
Rongeur craniens avec 1 crochets petit
(SS-11-112) et grand (SS-11-113)



Cone
SS-11-114
22.5 cm
Cranial punch rongeur for
maximum of 12 mm of bone
Pinza saca-bocados craneal
para craneo hasta 12 mm
Pince cranienne jusqu'a 12 mm
epaissens du crane

Traction Tongs
 Pinzas de traccion craneal
 Pinces de traction cranienne



**Crutchfield
 SS-11-115**
 ø 3.5 mm
 Drill point for crutchfield
 cervical traction tongs

Perforador inicial para pinzas de
 traccion craneal Crutchfield

Alesoir pour etrier traction cranienne
 de Crutchfield



**Crutchfield
 SS-11-116**
 ø 5 mm
 Drill point for crutchfield
 cervical traction tongs

Perforador inicial para pinzas de
 traccion craneal Crutchfield

Alesoir pour etrier traction cranienne
 de Crutchfield



150 mm

**Crutchfield
 SS-11-117**
 Cervical Traction Tongs, small size
 Pinzas de traccion craneal, tamaño pequeno
 Etrier traction cranienne, petit modele



155 mm

**Crutchfield
 SS-11-118**
 Cervical Traction Tongs, medium size
 Pinzas de traccion craneal, tamaño mediano
 Etrier traction cranienns, modele moyen



Spare pin
 punta de repuesto
 pointe de rechange seule

175 mm

SS-11-119
 Cervical Traction Tongs, for extension of the neck vertebrae,
 large size, pins adjustable hence no initial drilling

Pinza de traccion craneal para la extension de las vertebrae de cuello,
 tamaño grande, puntas ajustables suprimiendo perforaciones iniciales

Etrier traction cranienne, pour l'extension des vertebrae cervicales, grand
 modele, mandrins reglabes suppriment la perforation initiale

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie



Landolt-Cushing
SS-11-120 Ø 15 mm x 70 mm
SS-11-121 Ø 15 mm x 90 mm

Specula for trans-sphenoidal hypophysectomy

Especulos para la hipofisectomia trans-sfenoidal

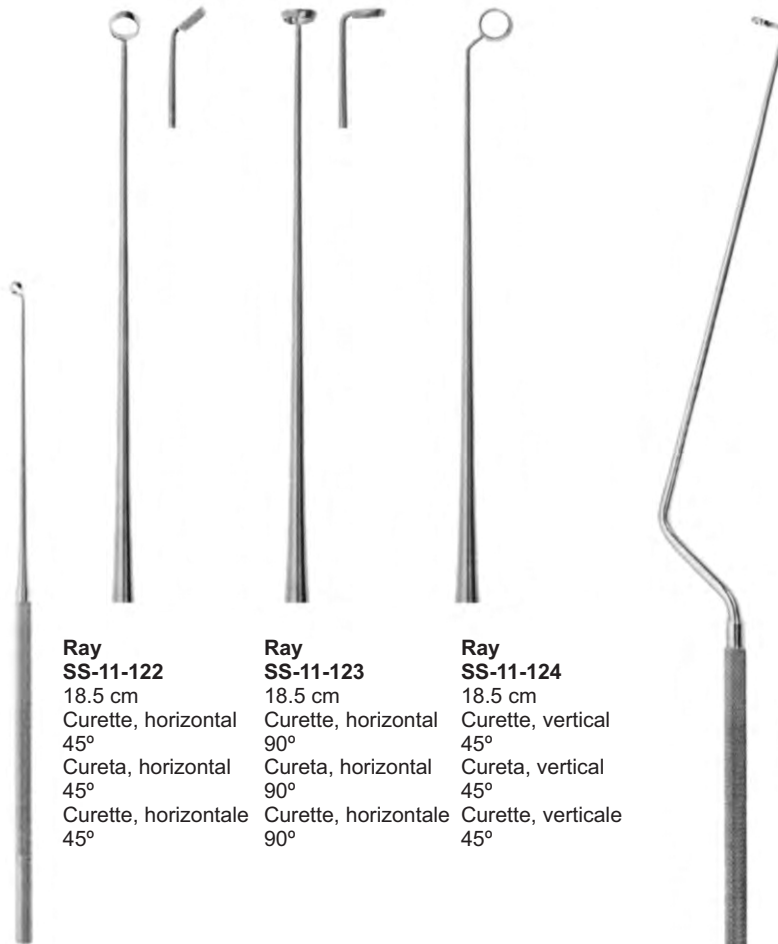
Specula pour la hypophysectomie transsphenoidale



4 mm Ø

4 mm Ø

4 mm Ø



Ray
SS-11-122
18.5 cm
Curette, horizontal 45°
Cureta, horizontal 45°
Curette, horizontale 45°

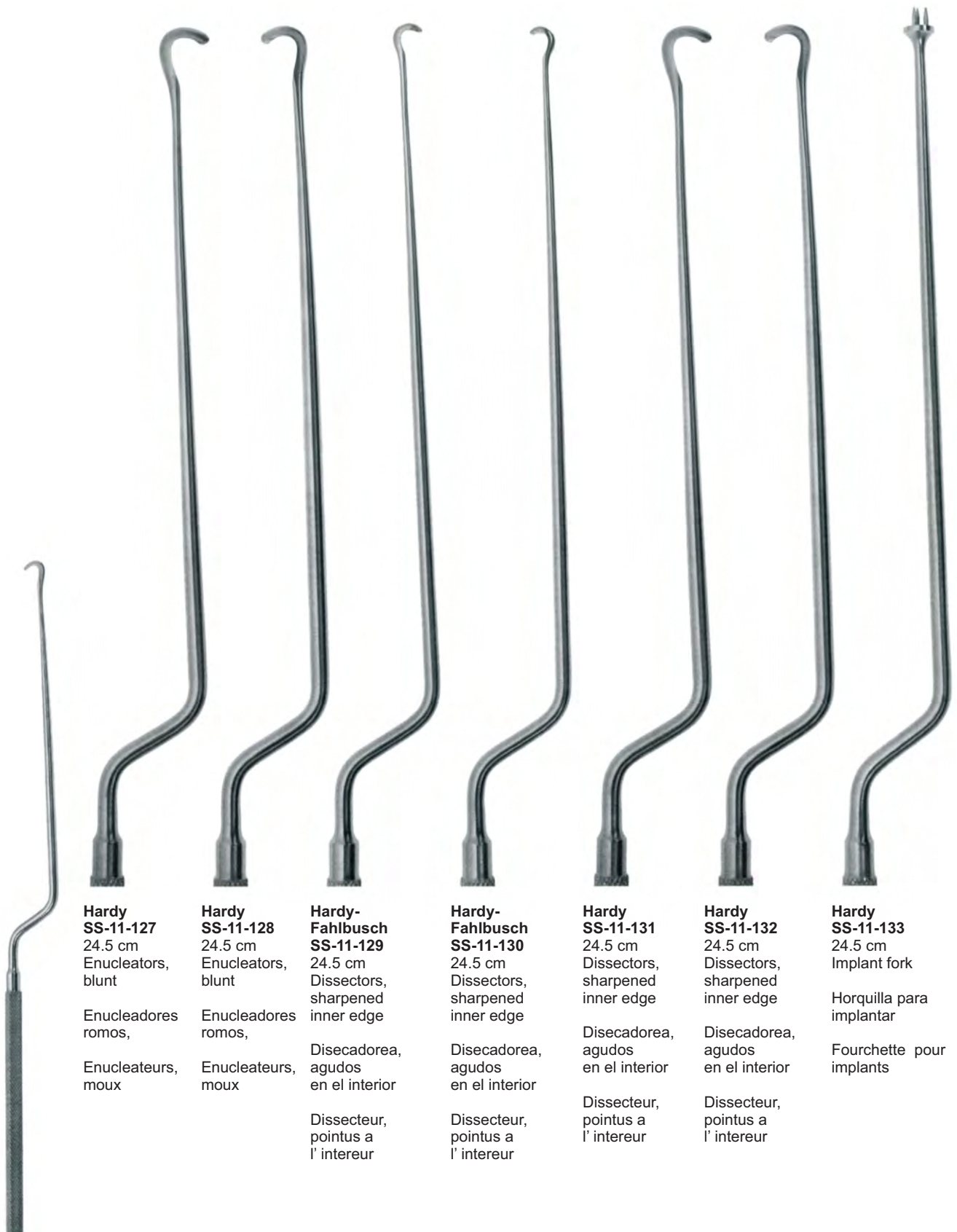
Ray
SS-11-123
18.5 cm
Curette, horizontal 90°
Cureta, horizontal 90°
Curette, horizontale 90°

Ray
SS-11-124
18.5 cm
Curette, vertical 45°
Cureta, vertical 45°
Curette, verticale 45°

Hardy
SS-11-125
26 cm
Curette, horizontal 90°, malleable
Cureta, horizontal 90°, maleable
Curette, horizontale 90°, malleable

Hardy
SS-11-126
26 cm
Curette, horizontal 90°, malleable
Cureta, horizontal 90°, maleable
Curette, horizontale 90°, malleable

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie



**Hardy
SS-11-127**
24.5 cm
Enucleators,
blunt

Enucleadores
romos,
Enucleateurs,
moux

**Hardy
SS-11-128**
24.5 cm
Enucleators,
blunt

Enucleadores
romos,
Enucleateurs,
moux

**Hardy-
Fahlbusch
SS-11-129**
24.5 cm
Dissectors,
sharpened
inner edge

Disecadorea,
agudos
en el interior

Dissecteur,
pointus a
l' intereur

**Hardy-
Fahlbusch
SS-11-130**
24.5 cm
Dissectors,
sharpened
inner edge

Disecadorea,
agudos
en el interior

Dissecteur,
pointus a
l' intereur

**Hardy
SS-11-131**
24.5 cm
Dissectors,
sharpened
inner edge

Disecadorea,
agudos
en el interior

Dissecteur,
pointus a
l' intereur

**Hardy
SS-11-132**
24.5 cm
Dissectors,
sharpened
inner edge

Disecadorea,
agudos
en el interior

Dissecteur,
pointus a
l' intereur

**Hardy
SS-11-133**
24.5 cm
Implant fork

Horquilla para
implantar

Fourchette pour
implants

Micro Instruments
 Instrumentos para microcirugia
 Instruments pour microchirurgie



SS-11-134
 23 cm
 Hook
 Gancho
 Crochet



SS-11-135
 23 cm
 Hook
 Gancho
 Crochet



SS-11-136
 23 cm
 Dissector
 Disecador
 Dissecteur



SS-11-137
 23 cm
 Dissector
 Disecador
 Dissecteur



SS-11-138
 23 cm
 Raspatory
 Legra
 Rugine-raspatoire



SS-11-139
 23 cm
 Raspatory
 Legra
 Rugine-raspatoire



SS-11-140
 23 cm
 Scoop
 Cucharilla cortante
 Curette tranchante



SS-11-141
 23 cm
 Scoop
 Cucharilla cortante
 Curette tranchante



SS-11-140
 23 cm
 Scoop
 Cucharilla cortante
 Curette tranchante



SS-11-141
 23 cm
 Scoop
 Cucharilla cortante
 Curette tranchante

Micro Instruments
Instrumentos para microcirugia
Instruments pour microchirurgie



**Yasargil
SS-11-142**
18.5 cm
Raspatory
Legra
Rugine-raspatoire

**Yasargil
SS-11-143**
18.5 cm
Raspatory
Legra
Rugine-raspatoire

**Yasargil
SS-11-144**
18.5 cm
Raspatory
Legra
Rugine-raspatoire

**Yasargil
SS-11-145**
18.5 cm
Scoop
Cucharilla cortante
Curette tranchante

**Yasargil
SS-11-146**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux

**Yasargil
SS-11-147**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux



Lateral cutting edge
filo de corte lateral
tranchant lateral

**Koos
SS-11-148**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux

**Koos
SS-11-149**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux

**Koos
SS-11-150**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux

**Koos
SS-11-151**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux

**Kraus
SS-11-152**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux

Micro Instruments
Instrumentos para microcirugia
Instruments pour microchirurgie



**Jacobson
SS-11-153**
18.5 cm
Buttoned probe
Sonda abotonada
Sonde boutonnee



**Jacobson
SS-11-154**
18.5 cm
Twin probe
Sonda doble
Sonde double



**Jacobson
SS-11-155**
18.5 cm
Suture pusher
Empujador de sutura
Fourche a fill



**Yasargil
SS-11-156**
18.5 cm
Raspatory
Legra
Rugine-raspatoire



**Yasargil
SS-11-157**
18.5 cm
Dissector
Dissecteur



**Yasargil
SS-11-158**
18.5 cm
Raspatory
Legra
Rugine-raspatoire



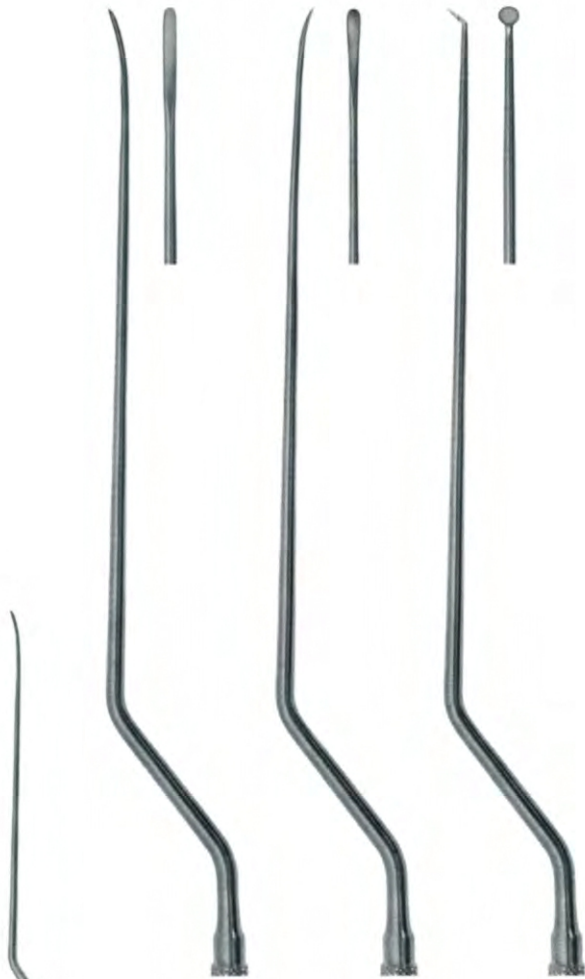
**Yasargil
SS-11-159**
18.5 cm
Raspatory
Legra
Rugine-raspatoire



**Yasargil
SS-11-160**
18.5 cm
Raspatory
Legra
Rugine-raspatoire



**Jacobson
SS-11-161**
18.5 cm
Vessel Knife
Cuchillo para vasos
Couteau pour vaisseaux



SS-11-162
 23 cm
 Dissector
 Disecador
 Dissecteur

SS-11-163
 23 cm
 Dissector
 Disecador
 Dissecteur

SS-11-164
 23 cm
 Raspatory
 Legra
 Rugine-raspatoire



SS-11-165
 18.5 cm

SS-11-166
 18.5 cm

SS-11-167
 18.5 cm

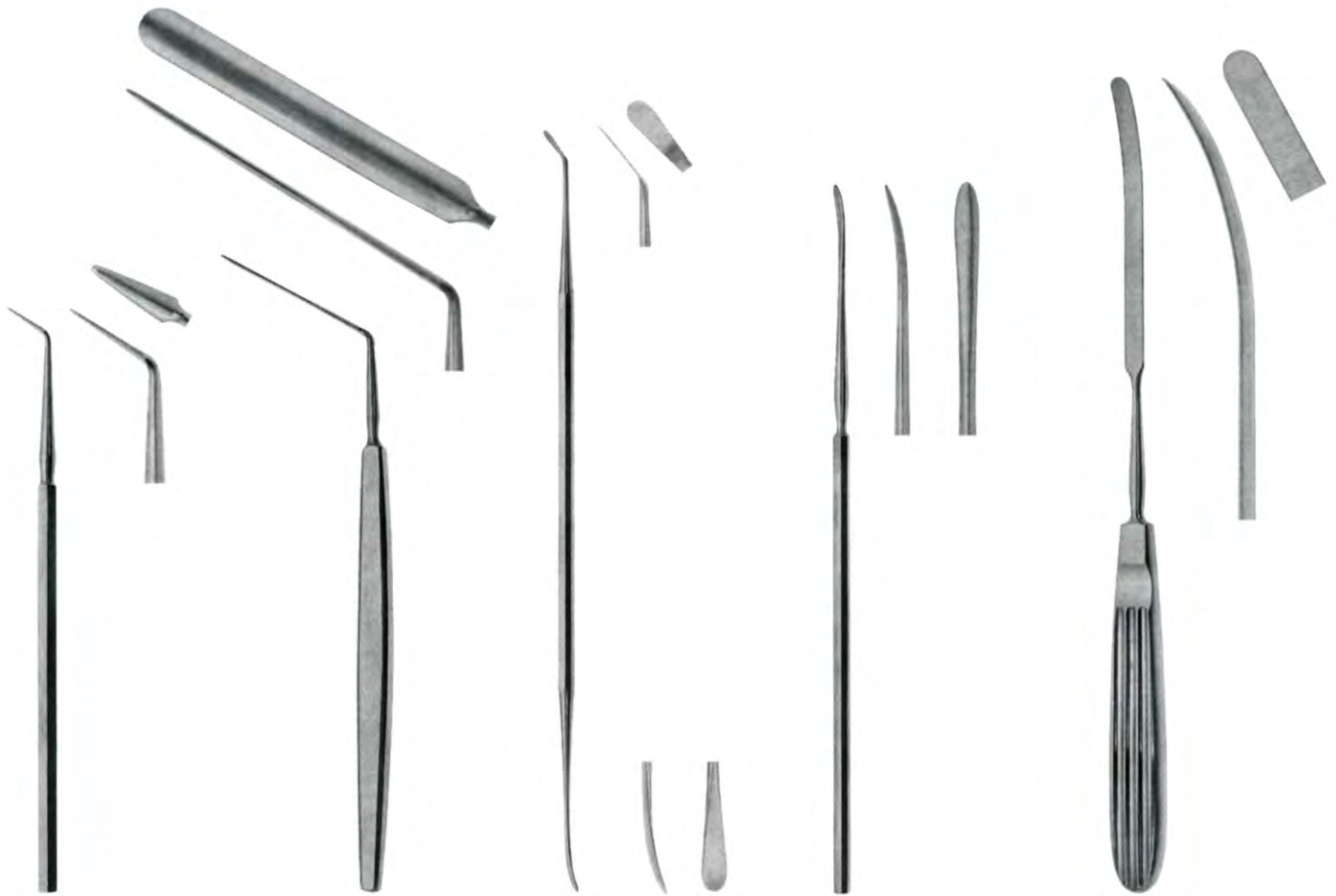
SS-11-168
 18.5 cm

Ligature guides & carriers, probe pointed
 Guia-ligadura, abotonada
 passe-fils, boutons



Yasargil

Dura Separators
 Disecadores de dura-madre
 Dissecteurs pour la dure-mere



Frazier
SS-11-169
 16.5 cm

Horsley
SS-11-170
 18.5 cm

Milligan
SS-11-171
 21 cm

Sachs
SS-11-172
 20 cm

Sachs
SS-11-173
 23 cm

Dura Dissectors
Disecadores para dura-madre
Dissecteurs a dure-mere



Toennis
SS-11-174
24 cm



Toennis
SS-11-175
24 cm

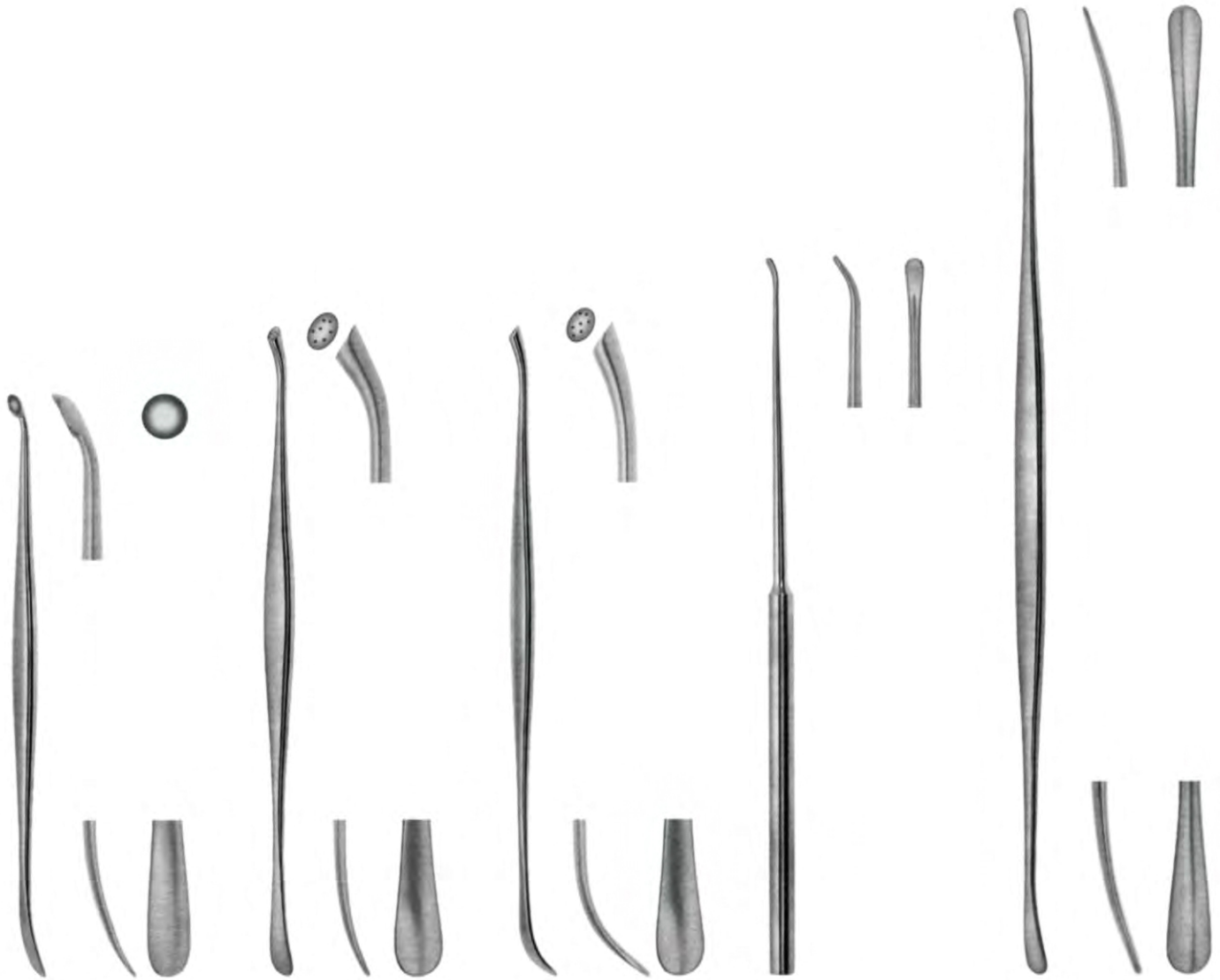


Olivecrona
SS-11-176 18 cm
SS-11-177 24 cm



Olivecrona
SS-11-178 19.5 cm
SS-11-179 24.0 cm

Dura Dissectors
Disecadores para dura-madre
Dissecteurs a dure-mere



**Penfield
SS-11-180**
17.5 cm

**Penfield
SS-11-181**
19.5 cm

**Penfield
SS-11-182**
19.5 cm

**Penfield
SS-11-183**
21.5 cm

**Penfield
SS-11-184**
29 cm



SAPTESTAR
Manufacturer & Exporter Of Surgical, Dental & Veterinary Instruments

Retractors
Separadores
Retracteurs



Love
SS-11-185
20.5 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour racines
nerveuses



Love
SS-11-186
18 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour racines
nerveuses



Love
SS-11-187
14 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour
racines nerveuses



Love
SS-11-188
22.5 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour racines
nerveuses



Scoville
SS-11-189
23 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour racines



Holsher
SS-11-190
24 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour racines



Scoville
SS-11-191
20 cm
Nerve root retractor

Separador para la
raiz de nervios

Retracteur pour racines



Cushing
SS-11-192
21 cm
Decompression hook
Gancho para decompression
Crochet pour decompression

Brain Spatulas
Espatulas cerebrales
Spatules cerebrales



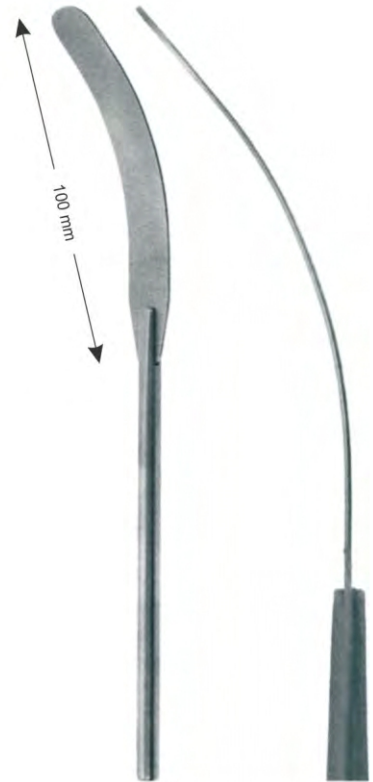
Davis
SS-11-193 13 mm x 190 mm
SS-11-194 16 mm x 190 mm
malleable
maleables
malleables



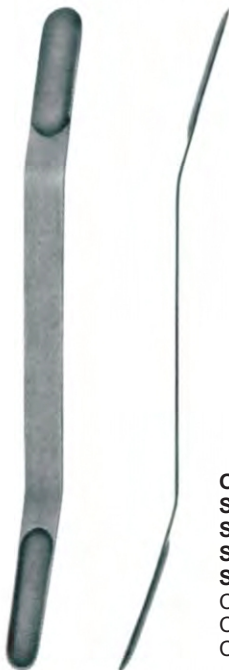
Cushing
SS-11-195
10 + 12 mm x 195 mm



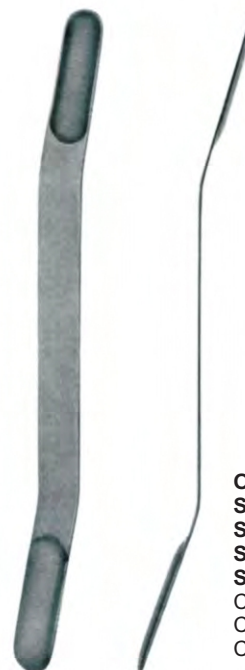
Heifetz
SS-11-196 8 mm x 155 mm
SS-11-197 11 mm x 155 mm
SS-11-198 14 mm x 155 mm
SS-11-199 17 mm x 155 mm
malleable
maleables
malleables



Heifetz
SS-11-200 14 mm x 200 mm
SS-11-201 17 mm x 200 mm
SS-11-202 20 mm x 200 mm
malleable
maleables
malleables



Olivecrona
SS-11-203 7 + 9 mm x 180 mm
SS-11-204 11 + 13 mm x 180 mm
SS-11-205 15 + 18 mm x 180 mm
SS-11-216 19 + 21 mm x 180 mm
Convex
Convexas
Convexes



Olivecrona
SS-11-207 7 + 9 mm x 180 mm
SS-11-208 11 + 13 mm x 180 mm
SS-11-209 15 + 18 mm x 180 mm
SS-11-210 19 + 21 mm x 180 mm
Concave
Concavas
Concaves



SAPTESTAR
Manufacturer & Exporter Of Surgical, Dental & Veterinary Instruments

Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce a laminectomie



SS-11-211
2 mm

SS-11-212
3 mm

Citelli
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°



SS-11-213
2 mm

Beyer
SS-11-213
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°



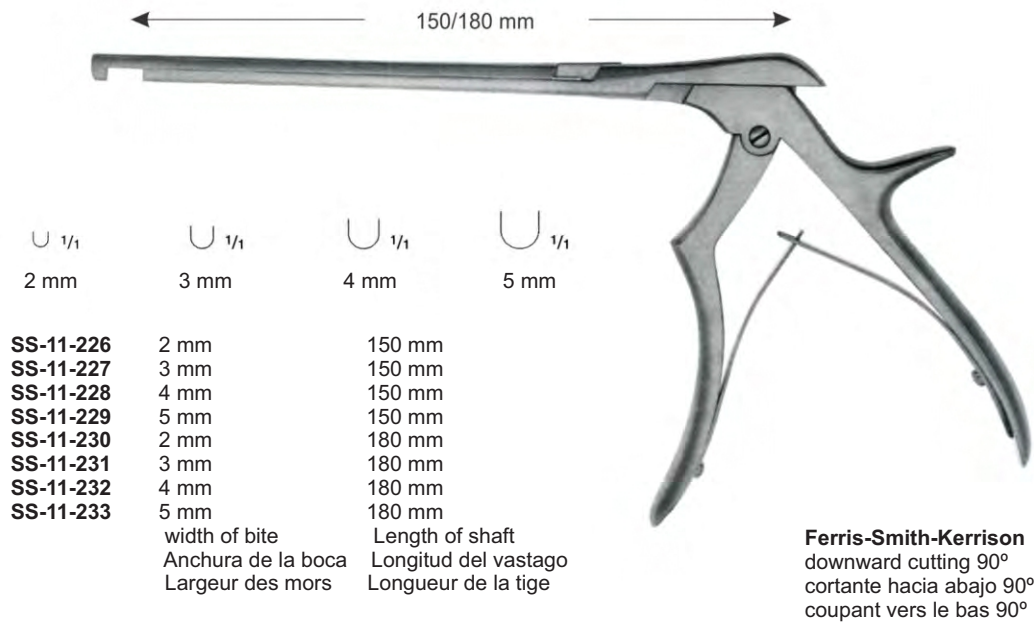
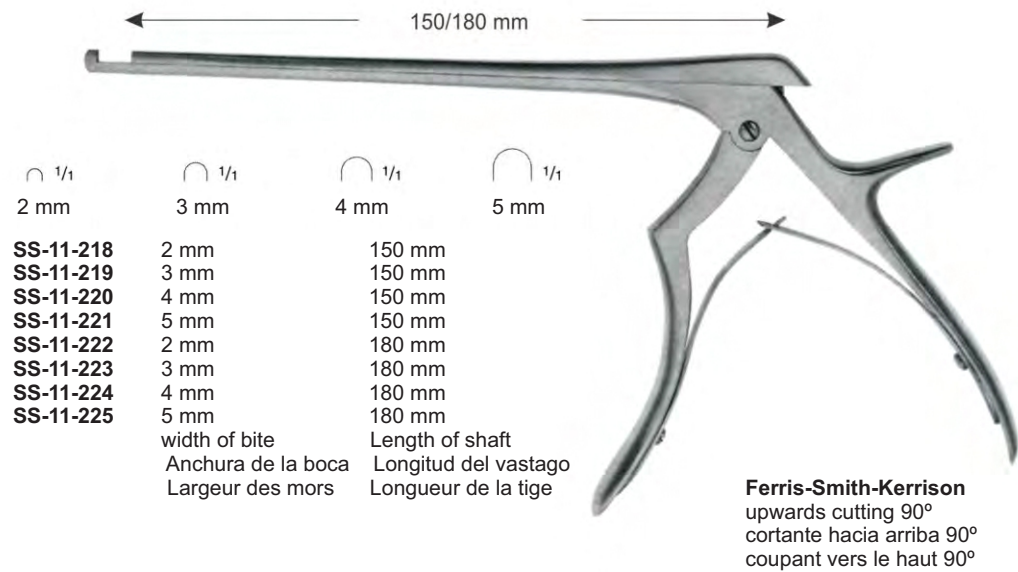
SS-11-214	3 mm	90 mm
SS-11-215	4 mm	90 mm
SS-11-216	5 mm	90 mm
SS-11-217	6 mm	90 mm

width of bite Length of shaft
Anchura de la boca Longitud del vastago
Largeur des mors Longueur de la tige



Kerrison
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°

Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-piece a laminectomie





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Laminectomy Punches
 Pinzas cortantes para laminectomia
 Pincas emporte-piece a laminectomie

150/180/200 mm

1/4
 2 mm
 1/4
 3 mm
 1/4
 4 mm
 1/4
 5 mm

SS-11-234	2 mm	150 mm
SS-11-235	3 mm	150 mm
SS-11-236	4 mm	150 mm
SS-11-237	5 mm	150 mm
SS-11-238	2 mm	180 mm
SS-11-239	3 mm	180 mm
SS-11-240	4 mm	180 mm
SS-11-241	5 mm	180 mm
SS-11-242	2 mm	200 mm
SS-11-243	3 mm	200 mm
SS-11-244	4 mm	200 mm
SS-11-245	5 mm	200 mm

width of bite Length of shaft
 Anchura de la boca Longitud del vástago
 Largeur des mors Longueur de la tige

Ferris-Smith-Kerrison
 upwards cutting 130°
 cortante hacia arriba 130°
 coupant vers le haut 130°

150/200 mm

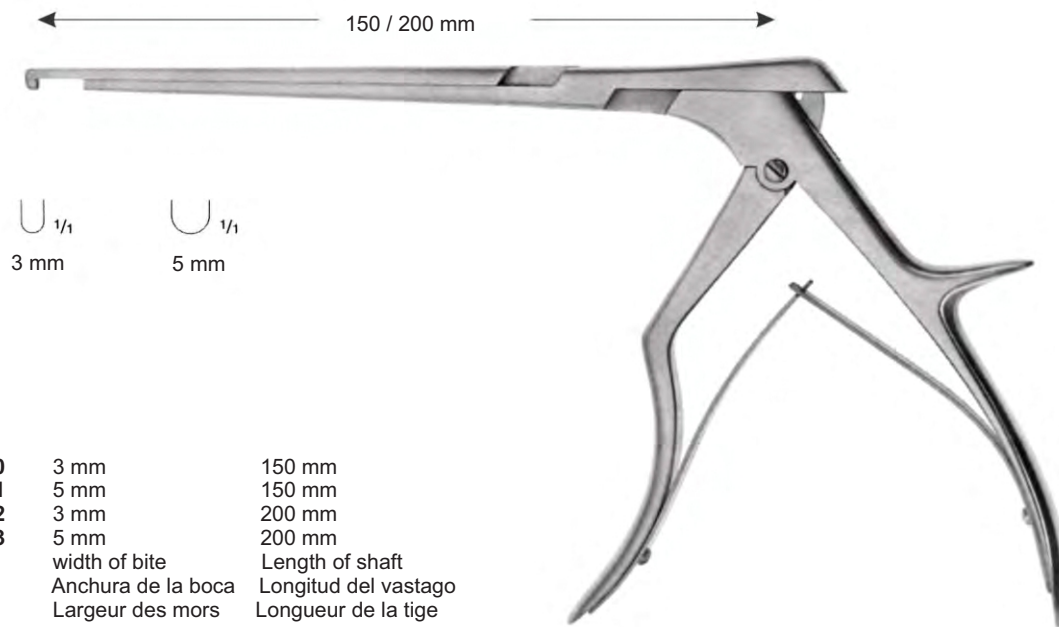
1/4
 3 mm
 1/4
 5 mm

SS-11-246	3 mm	150 mm
SS-11-247	5 mm	150 mm
SS-11-248	3 mm	200 mm
SS-11-249	5 mm	200 mm

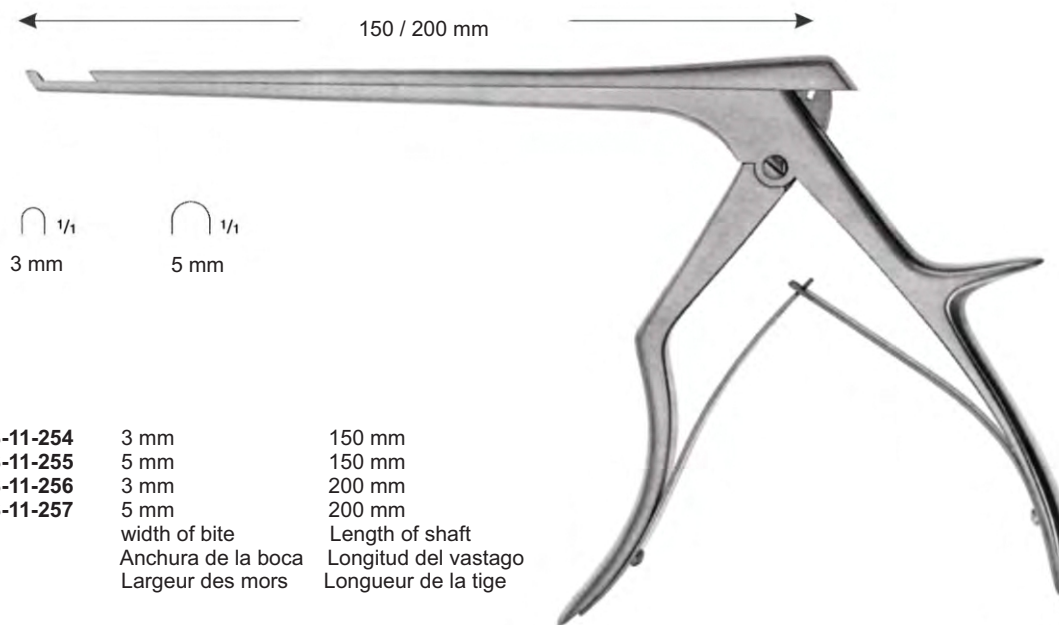
width of bite Length of shaft
 Anchura de la boca Longitud del vástago
 Largeur des mors Longueur de la tige

Love-Kerrison (Colclough)
 upwards cutting 90°
 cortante hacia arriba 90°
 coupant vers le haut 90°

Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-piece a laminectomie

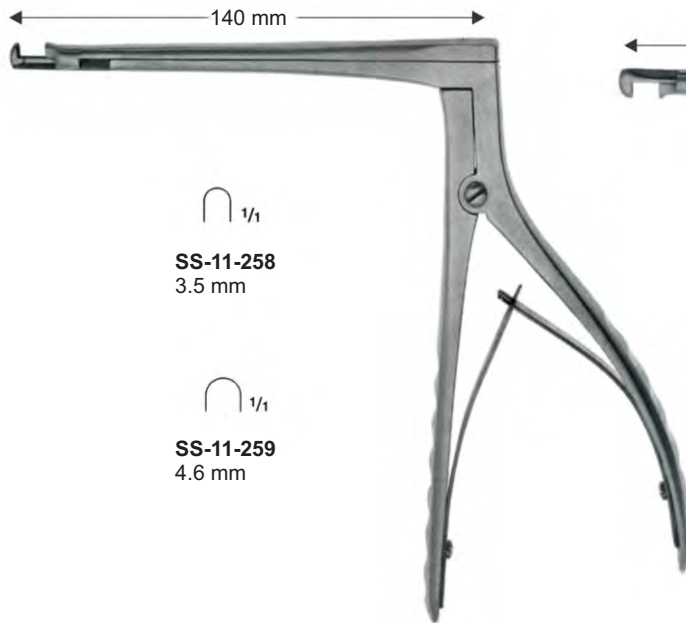


Love-Kerrison (Colclough)
downwards cutting 90°
cortante hacia abajo 90°
coupant vers le bas 90°



Love-Kerrison (Colclough)
upwards cutting 130°
cortante hacia arriba 130°
coupant vers le haut 130°

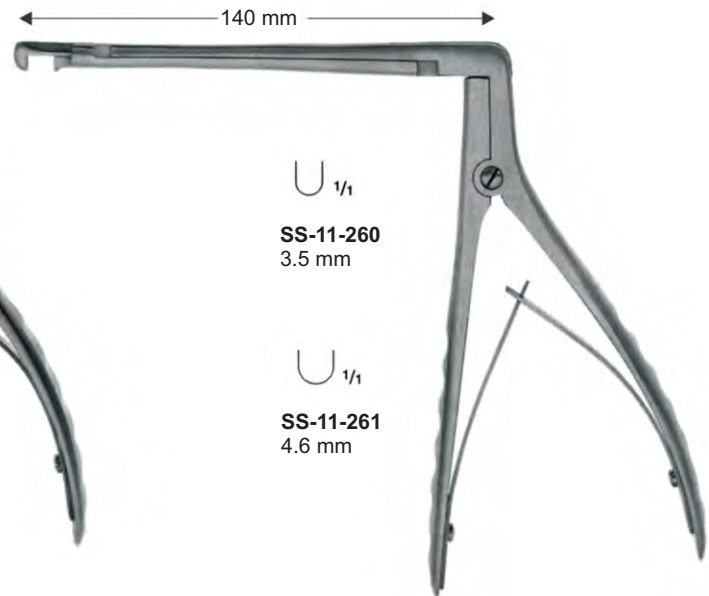
Laminectomy Punches
 Pinzas cortantes para laminectomia
 Pinces emporte-pièce a laminectomie



SS-11-258
3.5 mm

SS-11-259
4.6 mm

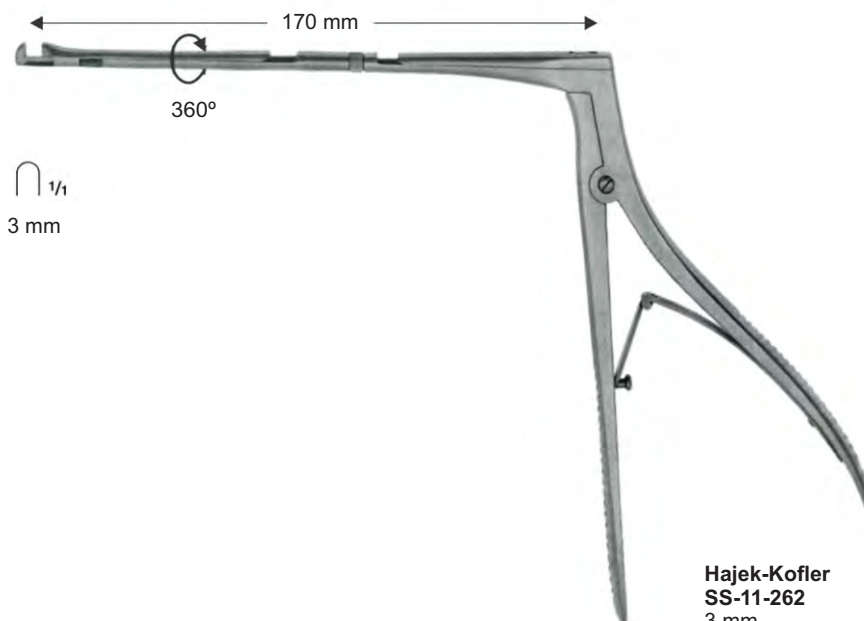
Hajek-Kofler
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°



SS-11-260
3.5 mm

SS-11-261
4.6 mm

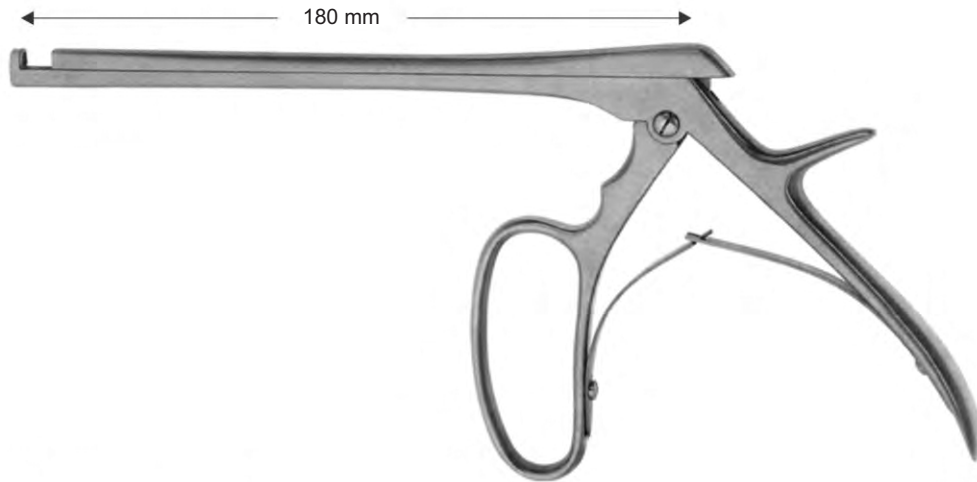
Hajek-Kofler
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°



3 mm

Hajek-Kofler
SS-11-262
3 mm
90° cutting, shaft rotates 360°
corte 90°, vastago girable 360°
coupant a 90°, tige tournant 360°

Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-piece a laminectomie





 $\frac{1}{1}$
SS-11-263
3 mm

 $\frac{1}{1}$
SS-11-264
5 mm

Ferris-Smith-Kerrison
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°



 $\frac{1}{1}$
SS-11-265
3 mm

 $\frac{1}{1}$
SS-11-266
5 mm

Ferris-Smith-Kerrison
downwards cutting 90°
cortante hacia abajo 90°
coupant vers le bas 90°



 $\frac{1}{1}$
SS-11-267
3 mm

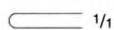
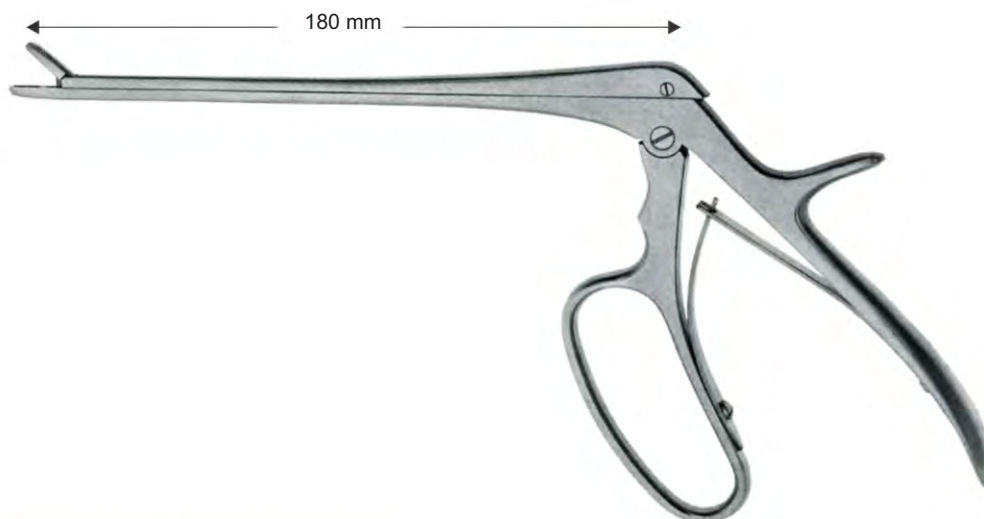
 $\frac{1}{1}$
SS-11-268
5 mm

Ferris-Smith-Kerrison
upwards cutting 130°
cortante hacia arriba 130°
coupant vers le haut 130°

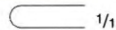


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Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-pièce a laminectomie



SS-11-269
2 x 10 mm

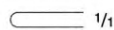


SS-11-270
3 x 10 mm

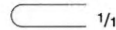


SS-11-271
4 x 10 mm

Ferris-Smith-Cushing
straight
recta
droits



SS-11-272
2 x 10 mm

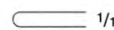


SS-11-273
3 x 10 mm

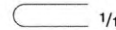


SS-11-274
4 x 10 mm

Ferris-Smith-Kerrison
curved on flat
curva hacia arriba
courbure vers le haut



SS-11-275
2 x 10 mm



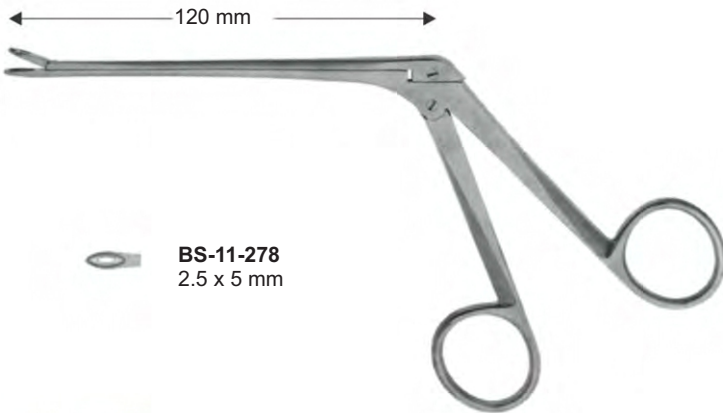
SS-11-276
3 x 10 mm



SS-11-277
4 x 10 mm

Ferris-Smith-Kerrison
curved down
curva hacia abajo
courbure vers le bas

Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-piece a laminectomie

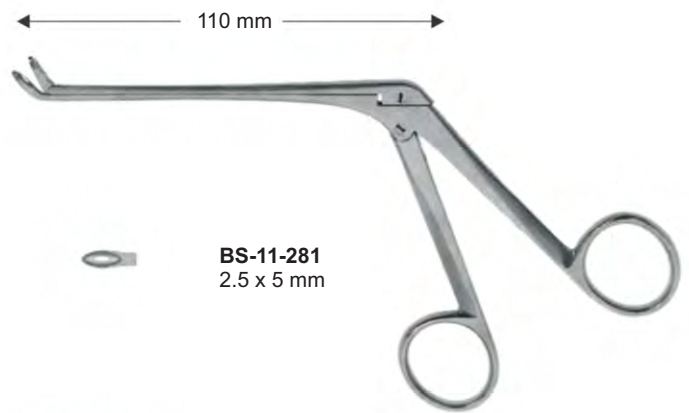


BS-11-278
2.5 x 5 mm

BS-11-279
3.6 x 8 mm

BS-11-280
4.8 x 12 mm

Weil-Blakesley
straight
recta
droits

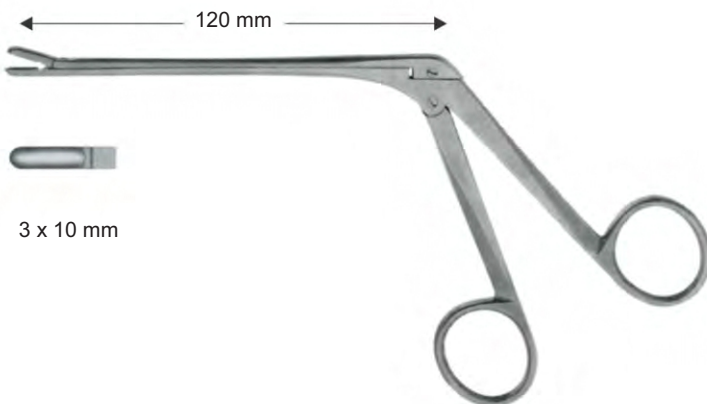


BS-11-281
2.5 x 5 mm

BS-11-282
3.6 x 8 mm

BS-11-283
4.8 x 12 mm

Weil-Blakesley
curved on flat
curva hacia arriba
courbure vers le haut



3 x 10 mm

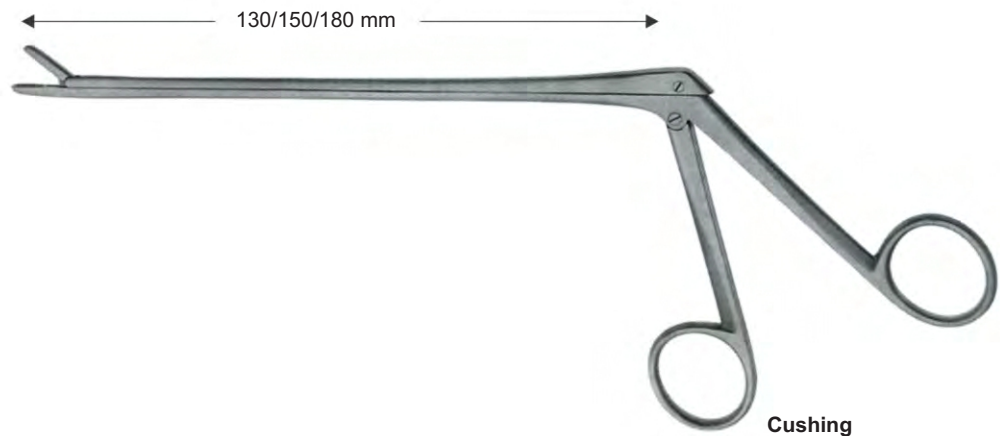
Takahashi
SS-11-284
3 x 10 mm
straight
recta
droits



3 x 10 mm

Takahashi
SS-11-285
3 x 10 mm
curved on flat
curva hacia arriba
courbure vers le haut

Laminectomy Rongeurs
 Pinzas cortantes para laminectomia
 Pinces emporte-pièce a laminectomie



Cushing



$\frac{1}{1}$
 2 x 10 mm

SS-11-286	2 x 10 mm	130 mm
SS-11-287	2 x 10 mm	150 mm
SS-11-288	2 x 10 mm	180 mm
straight	Anchura de la boca	Longitud del vastago
recta	Largeur des mors	Longueur de la tige
droits	Larghezza del morso	Lunghezza dell' asta



$\frac{1}{1}$
 2 x 10 mm

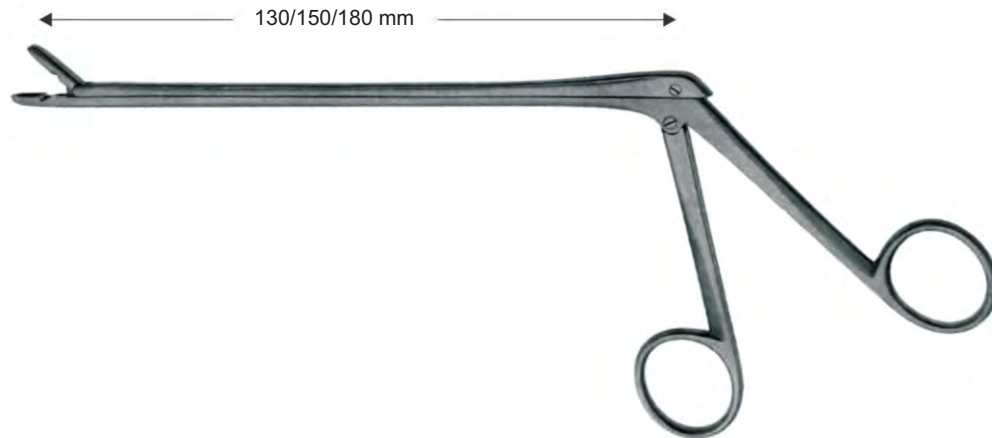
SS-11-289	2 x 10 mm	130 mm
SS-11-290	2 x 10 mm	150 mm
SS-11-291	2 x 10 mm	180 mm
curved on flat	Size of jaw	length of shaft
curva hacia arriba	Anchura de la boca	Longitud del vastago
courbure vers le haut	Largeur des mors	Longueur de la tige



$\frac{1}{1}$
 2 x 10 mm

SS-11-292	2 x 10 mm	130 mm
SS-11-293	2 x 10 mm	150 mm
SS-11-294	2 x 10 mm	180 mm
curved down	Size of jaw	length of shaft
curva hacia abajo	Anchura de la boca	Longitud del vastago
courbure vers le bas	Largeur des mors	Longueur de la tige

Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-pièce a laminectomie



Spurling



$\frac{1}{1}$
4 x 10 mm

SS-11-295	4 x 10 mm	130 mm
SS-11-296	4 x 10 mm	150 mm
SS-11-297	4 x 10 mm	180 mm
straight	Size of jaw	length of shaft
recta	anchura de la boca	Longitud del vastago
droits	Largeur des mors	Longeue de la tige



$\frac{1}{1}$
4 x 10 mm

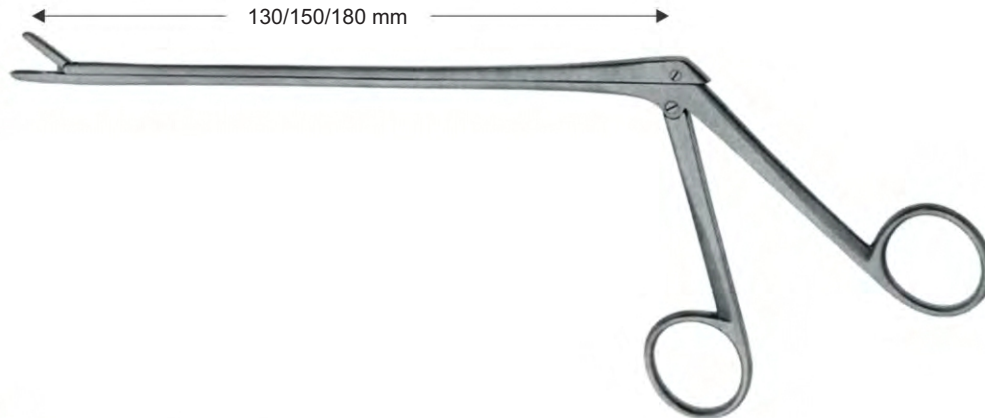
SS-11-298	4 x 10 mm	130 mm
SS-11-299	4 x 10 mm	150 mm
SS-11-300	4 x 10 mm	180 mm
curved on flat	Size of jaw	length of shaft
curva hacia arriba	anchura de la boca	Longitud del vastago
courbure vers le haut	Largeur des mors	Longeue de la tige



$\frac{1}{1}$
4 x 10 mm

SS-11-301	4 x 10 mm	130 mm
SS-11-302	4 x 10 mm	150 mm
SS-11-303	4 x 10 mm	180 mm
curved down	Size of jaw	length of shaft
curva hacia abajo	Anchura de la boca	Longitud del vastago
courbure vers le bas	Largeur des mors	Longeue de la tige

Laminectomy Rongeurs
 Pinzas cortantes para laminectomia
 Pincas emporte-pièce a laminectomie



Love-Gruenwald



$\frac{1}{1}$
 3 x 10 mm

SS-11-304	3 x 10 mm	130 mm
SS-11-305	3 x 10 mm	150 mm
SS-11-306	3 x 10 mm	180 mm
straight	Size of jaw	length of shaft
recta	Anchura de la boca	Longitud del vastago
droits	Largeur des mors	Longueur de la tige



$\frac{1}{1}$
 3 x 10 mm

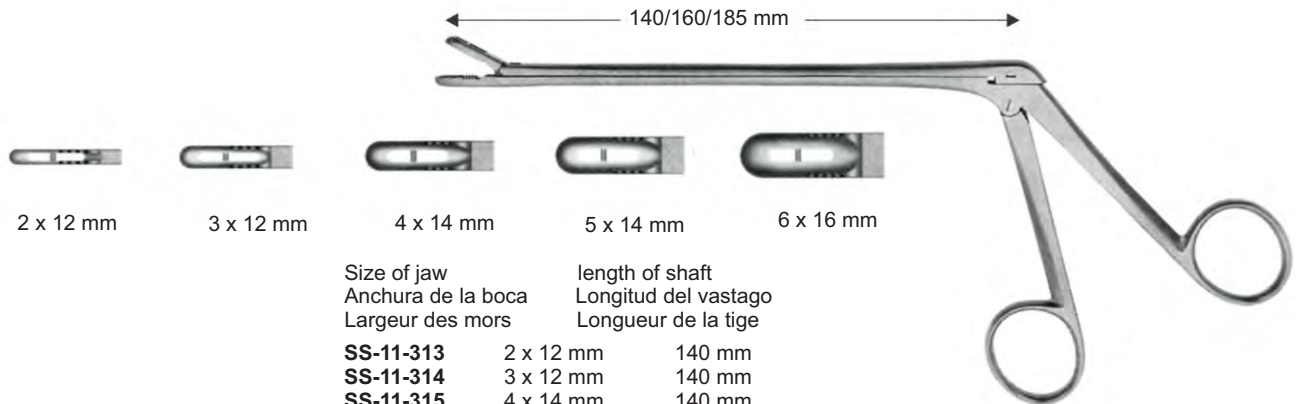
SS-11-307	3 x 10 mm	130 mm
SS-11-308	3 x 10 mm	150 mm
SS-11-309	3 x 10 mm	180 mm
curved on flat	Size of jaw	length of shaft
curva hacia arriba	Anchura de la boca	lonitud del vastago
courbure vers le haut	Largeur des mors	longueur de la tige



$\frac{1}{1}$
 3 x 10 mm

SS-11-310	3 x 10 mm	130 mm
SS-11-311	3 x 10 mm	150 mm
SS-11-312	3 x 10 mm	180 mm
curved down	Size of jaw	length of shaft
curva hacia abajo	Anchura de la boca	Longitud del vastago
courbure vers le bas	Largeur des mors	Longueur de la tige

Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pincas emporte-piece a laminectomie



	Size of jaw Anchura de la boca Largeur des mors	length of shaft Longitud del vastago Longueur de la tige
SS-11-313	2 x 12 mm	140 mm
SS-11-314	3 x 12 mm	140 mm
SS-11-315	4 x 14 mm	140 mm
SS-11-316	5 x 14 mm	140 mm
SS-11-317	6 x 16 mm	140 mm
SS-11-318	2 x 12 mm	160 mm
SS-11-319	3 x 12 mm	160 mm
SS-11-320	4 x 14 mm	160 mm
SS-11-321	5 x 14 mm	160 mm
SS-11-322	6 x 16 mm	160 mm
SS-11-323	2 x 12 mm	185 mm
SS-11-324	3 x 12 mm	185 mm
SS-11-325	4 x 14 mm	185 mm
SS-11-326	5 x 14 mm	185 mm
SS-11-327	6 x 16 mm	185 mm

Caspar
straight
recta
droits



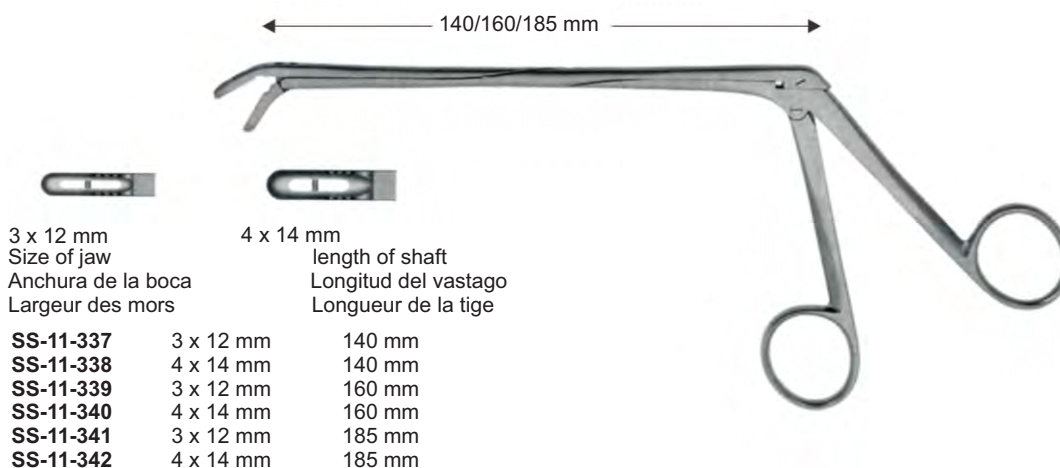
	Size of jaw Anchura de la boca Largeur des mors	length of shaft Longitud del vastago Longueur de la tige
SS-11-328	3 x 12 mm	140 mm
SS-11-329	4 x 14 mm	140 mm
SS-11-330	5 x 14 mm	140 mm
SS-11-331	3 x 12 mm	160 mm
SS-11-332	4 x 14 mm	160 mm
SS-11-333	5 x 14 mm	160 mm
SS-11-334	3 x 12 mm	185 mm
SS-11-335	4 x 14 mm	185 mm
SS-11-336	5 x 14 mm	185 mm

Caspar
curved on flat
curva hacia arriba
courbure vers le haut

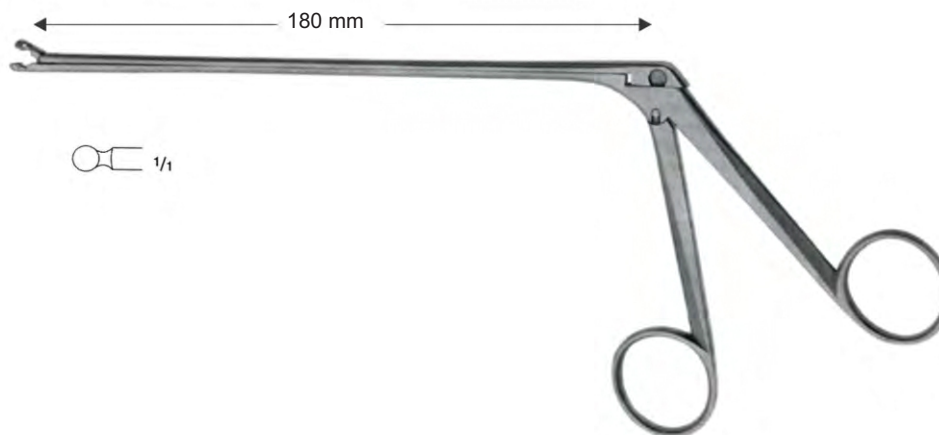


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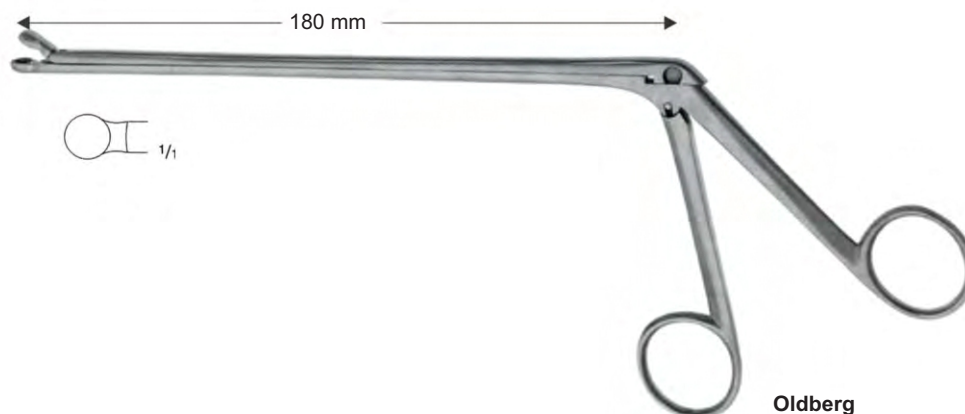
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-piece a laminectomie



Caspar
curved down
curva hacia abajo
courbure vers le bas



Yasargil
SS-11-343
3.5 mm
Pituitary rongeur
Pinza para hipofisis
Pince pour l'hypophyse

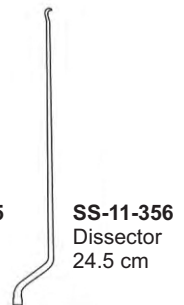
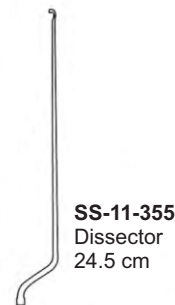
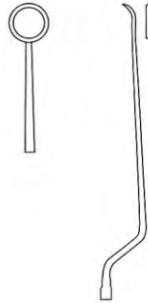


Oldberg
SS-11-344
6 mm
Pituitary rongeur
Pinza para hipofisis

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie



SS-11-345
SS-11-346



Hardy Fahlbusch



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Pituitary Instruments
 Instrumentos para la hipofisectomia
 Instruments pour la hypophysectomie



3 **SS-11-357**
 5 **SS-11-358**
 Ø mm

Hardy
 24 cm
 angled up



3 **SS-11-359**
 5 **SS-11-360**
 Ø mm

Hardy
 24 cm
 angled down



Hardy
 24.5 cm
 tip width



Landolt
SS-11-361
 26 cm
 malleable



Landolt
SS-11-362
 26 cm
 malleable



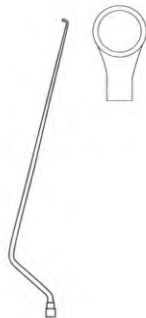
Landolt
SS-11-363
 26 cm
 malleable



Landolt
SS-11-364
 26 cm
 malleable



Hosobuchi
SS-11-365
 26 cm
 malleable



Fahlbusch
SS-11-366
 26 cm
 Ø 2.5 mm



Landolt Reulen
SS-11-367
 Ø 2.2 mm
SS-11-368
 26 cm



SS-11-369
 Ø 2.5 mm



SS-11-370
 2 mm



SS-11-371
 1.7 mm

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie



45°

3 SS-11-372
5 SS-11-373
Ø mm

Hardy
24 cm
right



90°

3 SS-11-374
5 SS-11-375
Ø mm

Hardy
24 cm
left



Left SS-11-376
Right SS-11-377

Hardy
24 cm
Ø 5 mm



Hardy
SS-11-378
23.5 cm
bayonet
malleable



SS-11-379
21 cm
bayonet



23 cm
curved



SS-11-380



SS-11-381



SS-11-382



SS-11-383

Pituitary Instruments
 Instrumentos para la hipofisectomia
 Instruments pour la hypophysectomie



Stainless Steel
 135 mm sharp, left **SS-11-384**



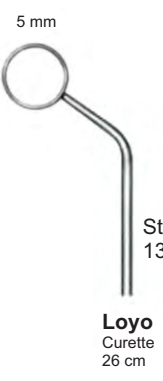
Stainless Steel
 135 mm sharp, right **SS-11-385**



Stainless Steel
 135 mm upward, sharp **SS-11-386**



Stainless Steel
 135 mm angled, sharp **SS-11-387**



Stainless Steel
 135 mm angled, sharp **SS-11-388**



Stainless Steel
 135 mm sharp, left **SS-11-390**



Stainless Steel
 135 mm sharp, right **SS-11-389**

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie



5 mm

Stainless Steel
135 mm sharp upw, left **SS-11-391**

Loyo
Curette
26 cm

5 mm



Stainless Steel
135 mm sharp upw, right **SS-11-392**

Loyo
Curette
26 cm



Stainless Steel
135 mm blunt left **SS-11-393**

Loyo
Curette
26 cm



5 x 4 mm

Stainless Steel
135 mm blunt, angled **SS-11-394**

Loyo
Curette
26.5 cm



5 x 4 mm

Stainless Steel
135 mm blunt, right **SS-11-395**

Loyo
Curette
26 cm

1/2

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie

Loyo
micro chisel



for sella turcica

Stainless Steel
SS-11-396

Loyo
26 cm
pituitary dissector



135 mm right

Stainless Steel
SS-11-397

Loyo
26 cm
pituitary dissector



135 mm

Stainless Steel
SS-11-398

Loyo
26 cm
pituitary dissector



135 mm

Stainless Steel
SS-11-399

Loyo
26 cm
pituitary hook



135 mm

Stainless Steel
SS-11-400

Loyo
26 cm
pituitary elevator



135 mm left

Stainless Steel
SS-11-401

Loyo
26 cm
pituitary elevator



135 mm right

Stainless Steel
SS-11-402

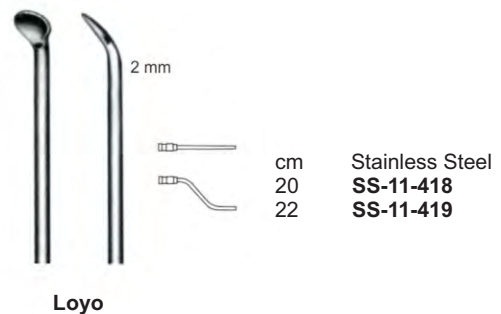
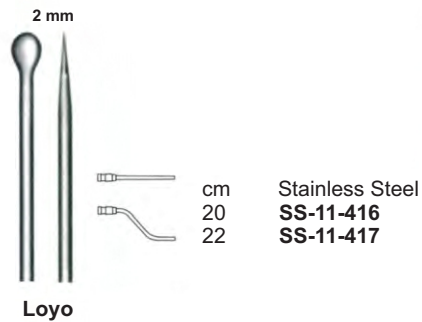
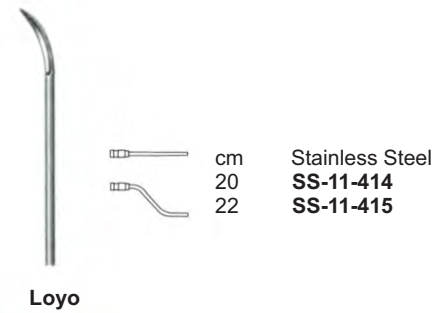
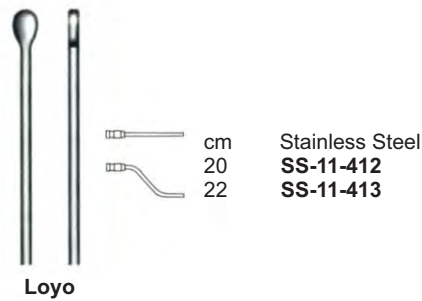
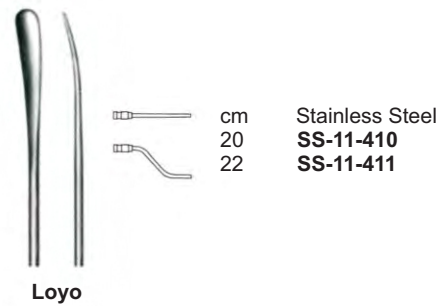
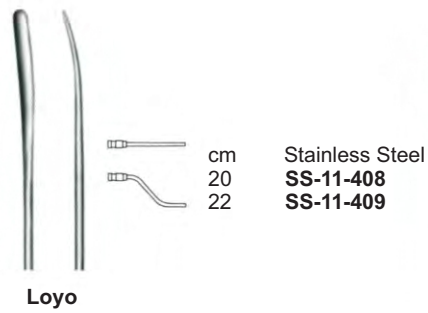
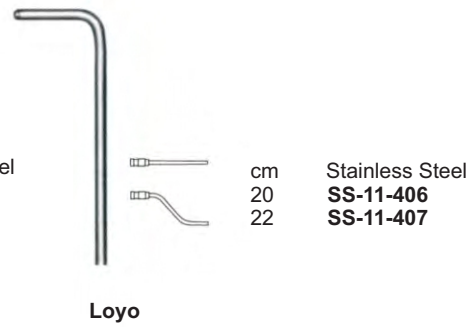
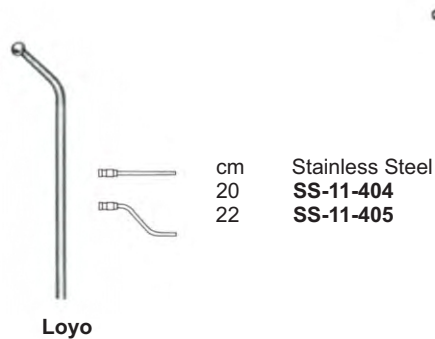
Loyo
pituitary mirror



125 mm

Stainless Steel
SS-11-403

Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie



Micro-Scissors
 Micro-Tijeras
 Micro-Ciseaux

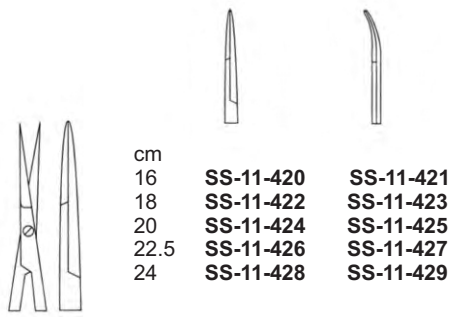


Diagram showing a pair of micro-scissors and two types of blades: a straight blade and a curved blade.

cm		
16	SS-11-420	SS-11-421
18	SS-11-422	SS-11-423
20	SS-11-424	SS-11-425
22.5	SS-11-426	SS-11-427
24	SS-11-428	SS-11-429

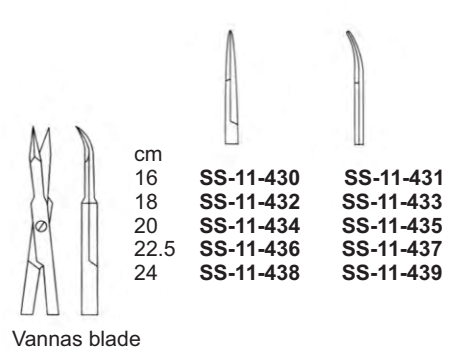


Diagram showing a pair of scissors and two types of Vannas blades: a straight blade and a curved blade.

cm		
16	SS-11-430	SS-11-431
18	SS-11-432	SS-11-433
20	SS-11-434	SS-11-435
22.5	SS-11-436	SS-11-437
24	SS-11-438	SS-11-439

Vannas blade

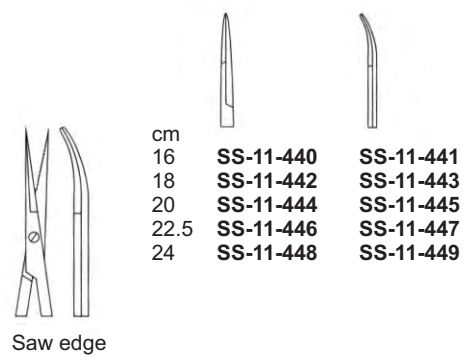


Diagram showing a pair of scissors with a saw edge and two types of blades: a straight blade and a curved blade.

cm		
16	SS-11-440	SS-11-441
18	SS-11-442	SS-11-443
20	SS-11-444	SS-11-445
22.5	SS-11-446	SS-11-447
24	SS-11-448	SS-11-449

Saw edge

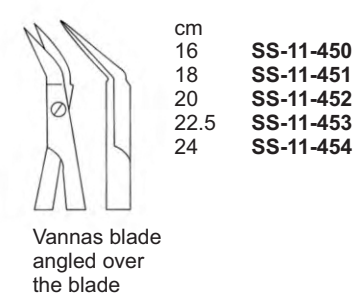


Diagram showing a pair of scissors and two types of Vannas blades: a straight blade and a curved blade.

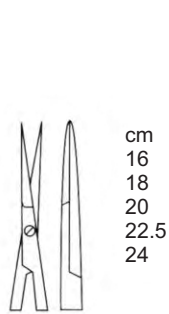
cm		
16	SS-11-450	
18	SS-11-451	
20	SS-11-452	
22.5	SS-11-453	
24	SS-11-454	

Vannas blade angled over the blade



Micro-Scissors

Micro-Scissors
Micro-Tijeras
Micro-Ciseaux

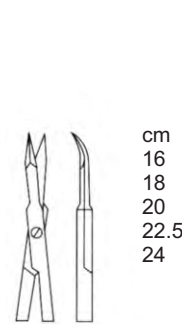


cm
16
18
20
22.5
24

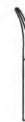
SS-11-455
SS-11-457
SS-11-459
SS-11-461
SS-11-463



SS-11-456
SS-11-458
SS-11-460
SS-11-462
SS-11-464



cm
16
18
20
22.5
24



SS-11-465
SS-11-467
SS-11-469
SS-11-471
SS-11-473

SS-11-466
SS-11-468
SS-11-470
SS-11-472
SS-11-474

Vannas blade



Micro-Scissors



Saw edge

cm
16
18
20
22.5
24

SS-11-475
SS-11-477
SS-11-479
SS-11-481
SS-11-483



SS-11-476
SS-11-478
SS-11-480
SS-11-482
SS-11-484



Vannas blade
angled over the
blade

cm
16
18
20
22.5
24

SS-11-485
SS-11-486
SS-11-487
SS-11-488
SS-11-489

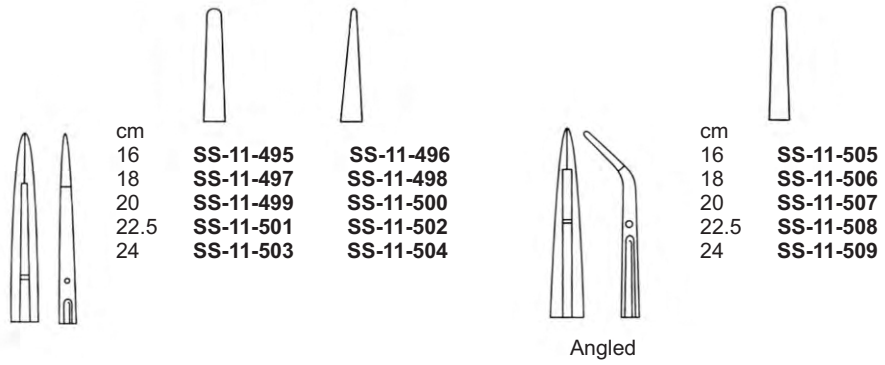


125°
angled blade

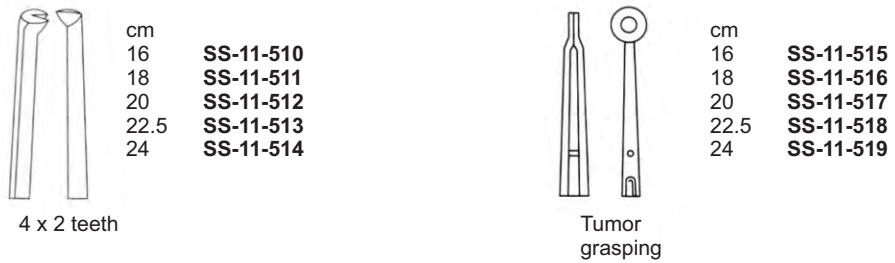
cm
16
18
20
22.5
24

SS-11-490
SS-11-491
SS-11-492
SS-11-493
SS-11-494

Micro-Forceps
 Micro-Pinzas
 Micro-Pinces



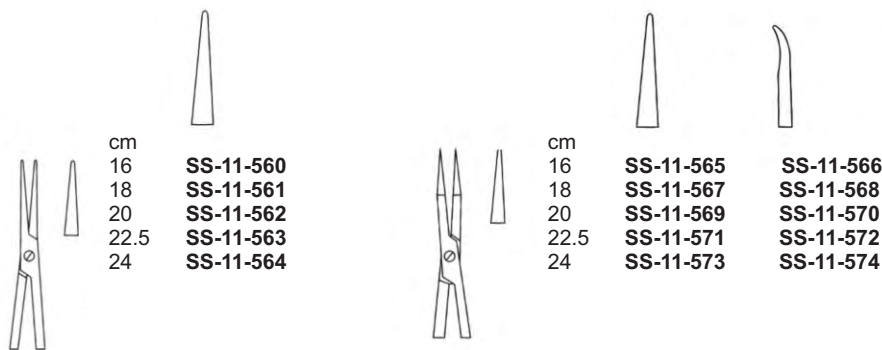
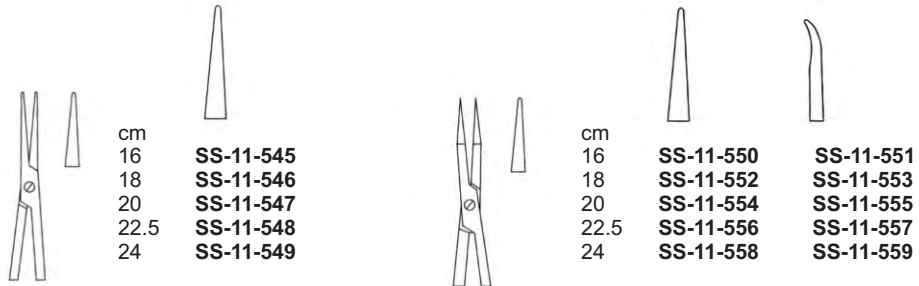
Micro forceps



Micro-Needle Holder
Micro-Porta-agujas
Micro-Porte-aiguilles

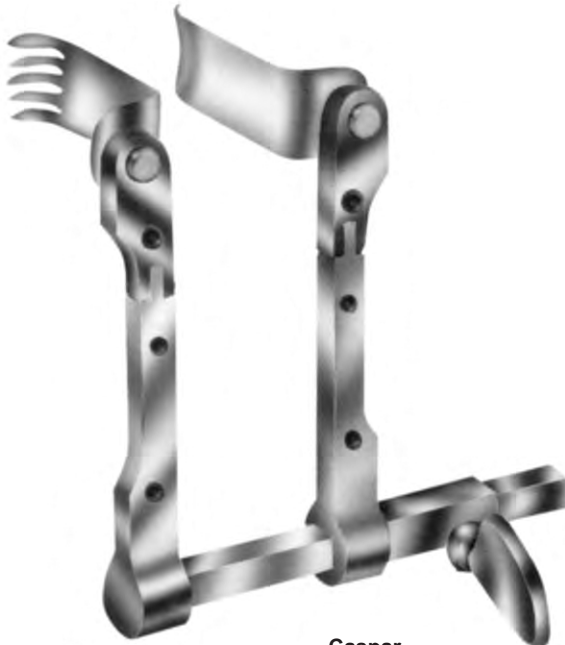


Micro needle holder
SSthout ratchet

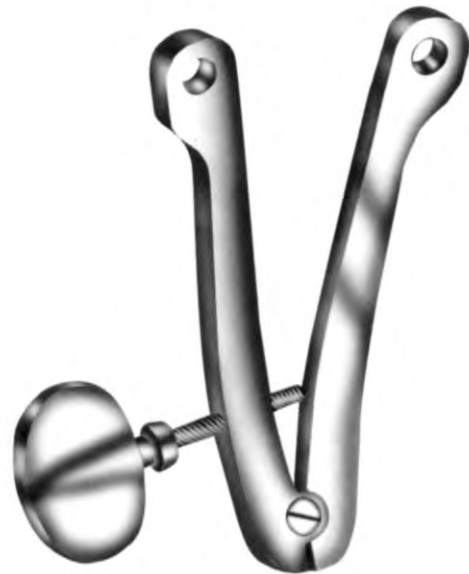


Micro needle holder
without ratchet

Retractors For Cervical Vertebral Column
 Separadores para la columna cervical
 Ecarteurs pour colonne vertebrale



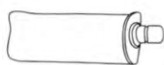
Caspar
SS-11-575
 complete
SS-11-576
 Only 12 cm
 opening 12 cm



Caspar
SS-11-577
 complete 2 x 5 blades



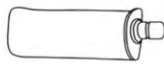
Caspar
SS-11-578
 complete
SS-11-579
 without blades



Caspar
 Mm
 45 x 23
 50 x 23
 55 x 23
 60 x 23
 65 x 23



Caspar
 mm
 40 x 23
 45 x 23
 50 x 23
 55 x 23
 60 x 23



mm
 45 x 20
 50 x 20
 55 x 20
 60 x 20
 65 x 20

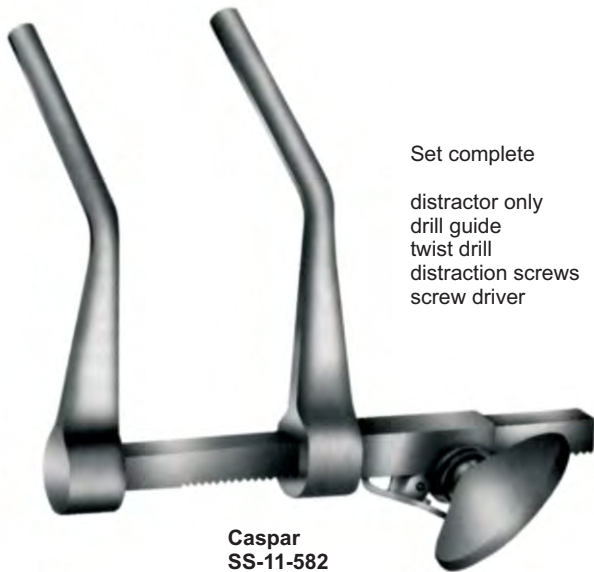


Caspar
SS-11-580
 complete
SS-11-581
 without blades



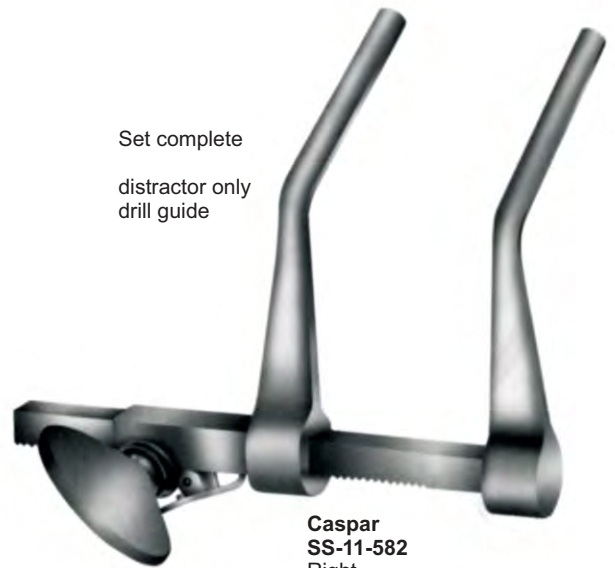
Caspar
 mm
 40 x 23
 45 x 23
 50 x 23
 55 x 23
 60 x 23

Retractors For Cervical Vertebral Column
Separadores para la columna cervical
Ecarteurs pour colonne vertebrale



**Caspar
SS-11-582
Left**

Set complete
distractor only
drill guide
twist drill
distraction screws
screw driver

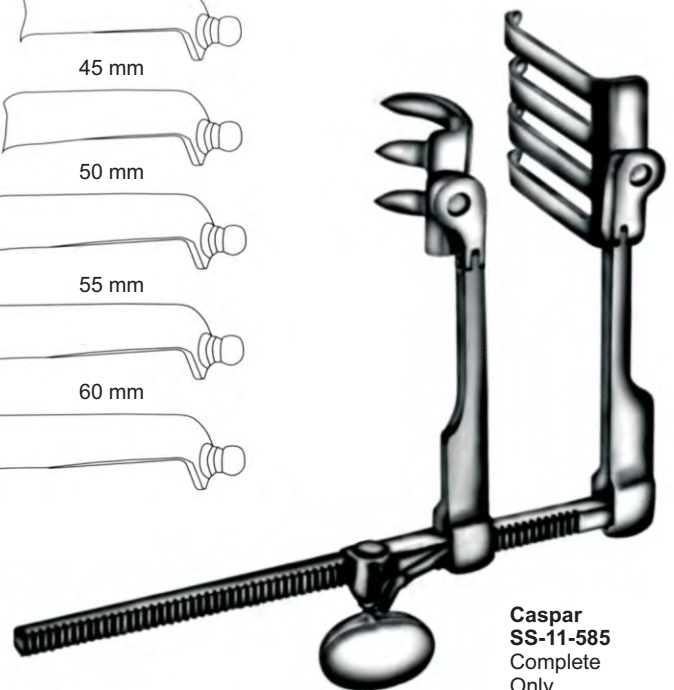
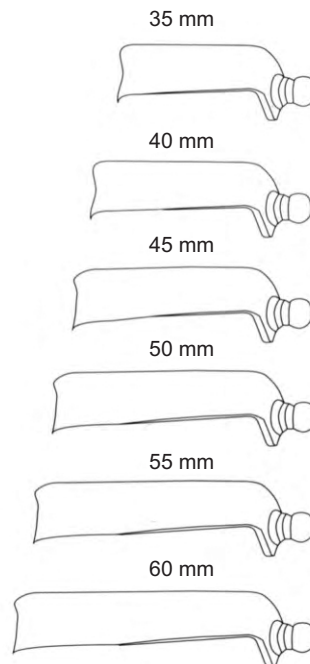


**Caspar
SS-11-582
Right**

Set complete
distractor only
drill guide



**Caspar
SS-11-584
Complete
Only**

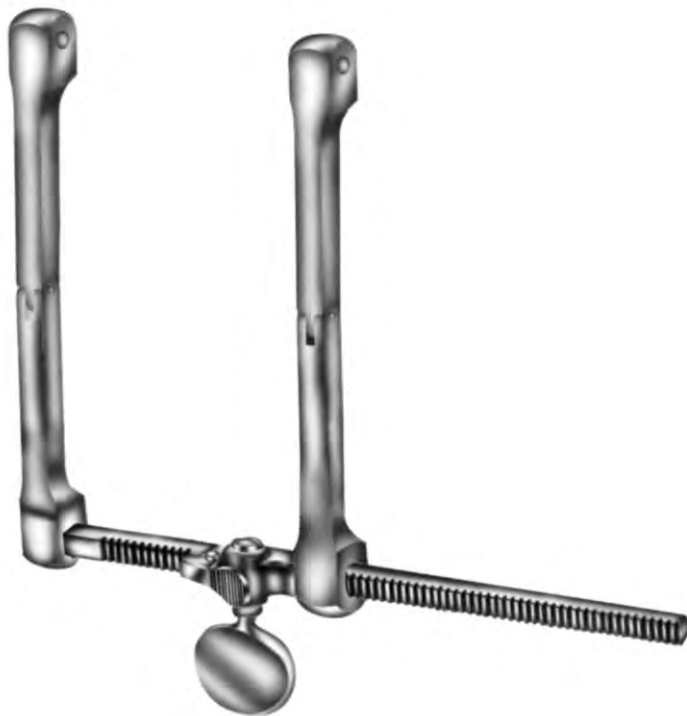


**Caspar
SS-11-585
Complete
Only**

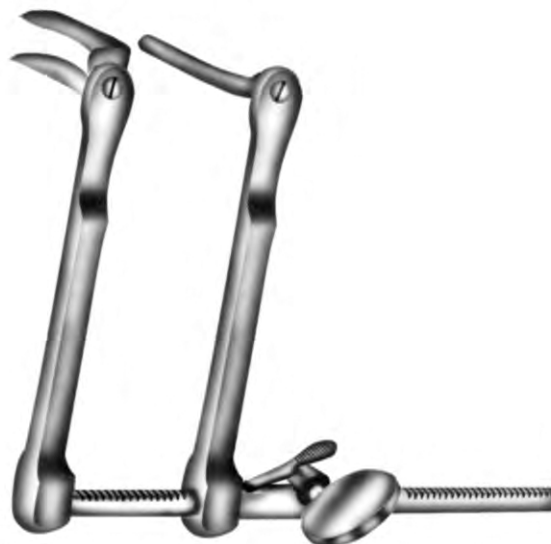


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Retractors For Cervical Vertebral Column
Separadores para la columna cervical
Ecarteurs pour colonne vertebrale



Scoville Haverfield
SS-11-586
Only frame



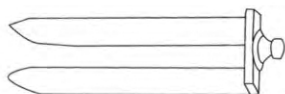
Caspar
SS-11-587
complete
SS-11-588
Only frame



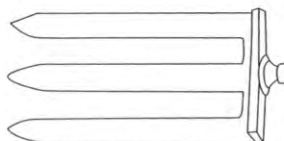
Caspar
SS-11-589
50 mm



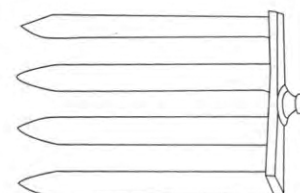
Caspar
SS-11-590
70 mm



Caspar
35 mm x 22
40 mm x 22
45 mm x 22
50 mm x 22
55 mm x 22
60 mm x 22
65 mm x 22
70 mm x 22

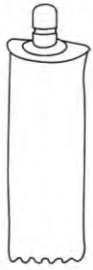


Caspar
35 mm x 37
40 mm x 37
45 mm x 37
50 mm x 37
55 mm x 37
60 mm x 37
65 mm x 37
70 mm x 37



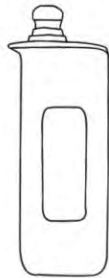
Caspar
35 mm x 52
40 mm x 52
45 mm x 52
50 mm x 52
55 mm x 52
60 mm x 52
65 mm x 52
70 mm x 52

Retractors For Cervical Vertebral Column
Separadores para la columna cervical
Ecarteurs pour colonne vertebrale



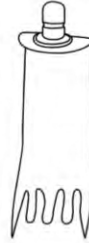
**Caspar
SS-11-592**

mm
40 x 20
45 x 20
50 x 20
55 x 20
60 x 20



**Caspar
SS-11-593**

mm
50 x 25
60 x 25



**Caspar
SS-11-594**

mm
40 x 25
45 x 25
50 x 25
55 x 25
60 x 25

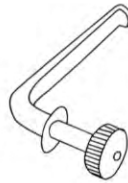


**Caspar
SS-11-595**

mm
40 x 25
45 x 25
50 x 25
55 x 25
60 x 25



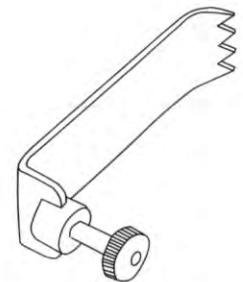
**Scoville
SS-11-591**
only frame
opening 15 cm



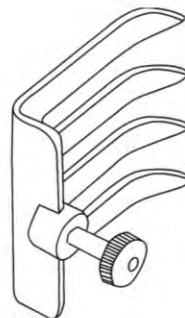
**Scoville
SS-11-596**
mm
50
70



**Scoville
SS-11-597**
mm
50
70



**Scoville
SS-11-598**
mm
64 x 25
64 x 50
88 x 25



**Taylor
SS-11-599**
mm
48 x 50
64 x 50
64 x 64
80 x 57



**Scoville
SS-11-600**
mm
41 x 38
67 x 44



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