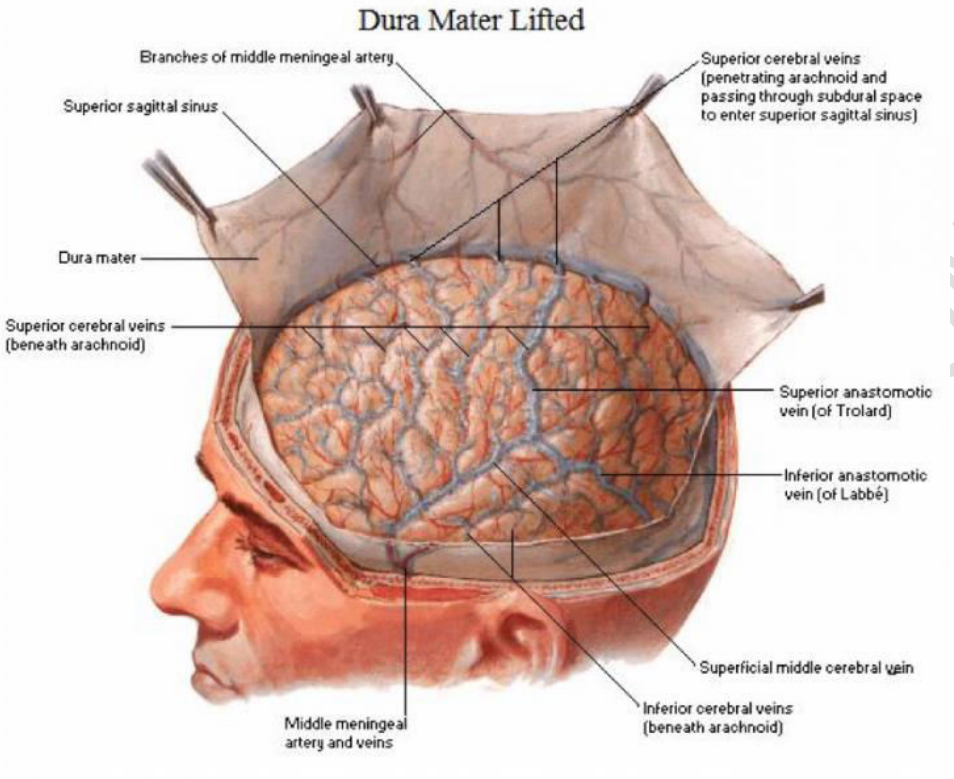
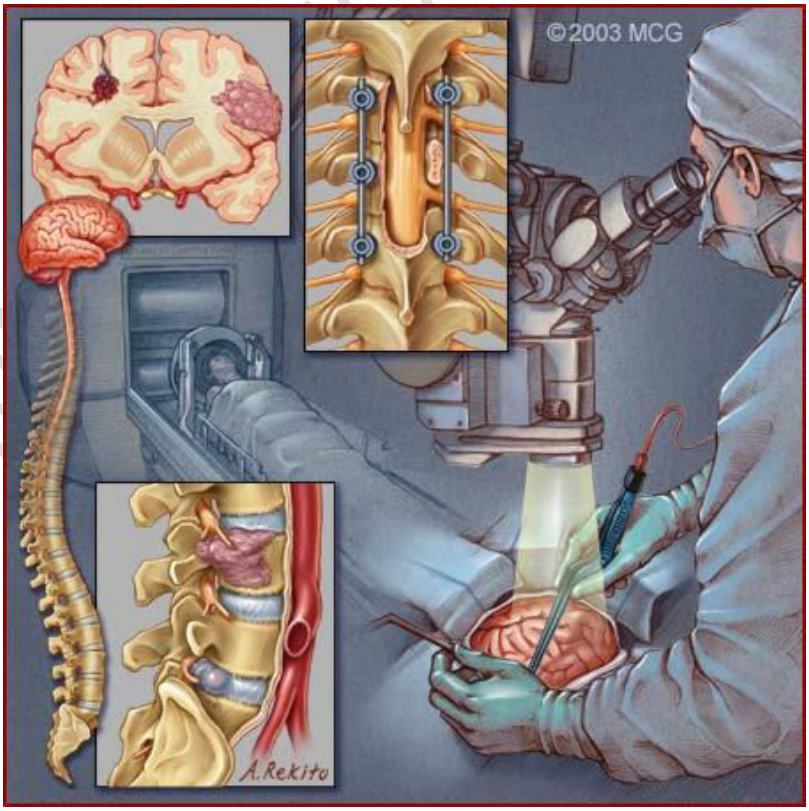
# PRIME SURGICAL INTERNATIONAL
## Neuro Surgical Instruments Catalog



PRIME SURGICAL INTERNATIONAL

PRELIMINARY TECHNICAL INTERNATIONAL

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PRIME SURGICAL INTERNATIONAL
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FAX: 0092 213 – 35641592

PRIME SURGICAL INTERNATIONAL

# PRIME SURGICAL INTERNATIONAL
# Neuro Surgical Instruments Catalog

Dear Sir

We are the manufacturer and trader of surgical instruments since last 30 years. We are certified by

1. FDA,
2. cGMP AND
3. CE certified.

We can provide you the EXPORT quality instruments as per your requirement. We are the major business partner with USA, UK, UAE, Germany, Australia, India and China.

We are manufacturer and specialized in:

1. EYE SURGICAL instruments
2. Dental Surgical instrument
3. Gynecological Surgical Instruments
4. Beauty Instruments.
5. Orthopedic Surgical Instruments
6. Cardiac Surgical Instruments
7. ENT Surgical instruments
8. Jewelry Instruments
9. Titanium Instruments
10. Nauru Surgical Instruments
11. Animal & Veterinary Instruments
12. Orthopedic Implants

PRIME SURGICAL INTERNATIONAL

Thank you and look forward to receive your valued inquiries soon. We work with the total satisfaction of our customers. We can also start business to business relation.

We can provide you samples for your best convenience and to check the quality.

Seeking your cooperation and positive response to start good business relationship with your Esteem Company / hospital

With Best Regards

ZIA UR RAHMAN
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Instrumente für Tracheotomie
Instruments for Tracheotomy
Instrumentos traqueotomia
Instruments pour trachéotomie
Strumenti per tracheotomia

► 87-0150
ø 7,5 mm

87-0151
ø 9,0 mm

UECKERMANN-DENKER
87-0150
- 87-0151
11,5 cm, 4 1/2"

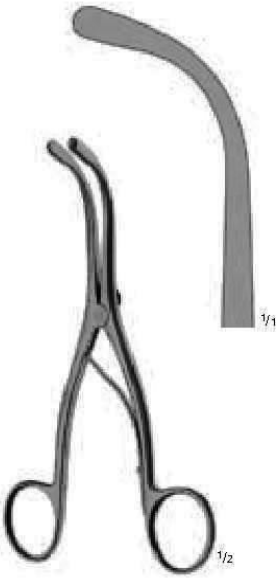
Not-Tracheotomietrokare mit Silberkanüle (Tracheotom)
Crycothyreotomy trocars with silver cannula
Trocares traqueales con cánula de plata (traqueotomo)
Trocarts pour la trachéotomie avec canule argent
Trequarti per tracheotomia con cannula di argento

BOSE
87-0145
16,5 cm, 6 1/2"

Trachealhäkchen, spitz, links
Trachea retractor, sharp, left
Separador para la tráquea, agudo, izquierdo
Ecarteur pour trachéotomie, pointu, à gauche
Uncino tracheale, acuto, sinistro

BOSE
87-0146
16,5 cm, 6 1/2"

Trachealhäkchen, spitz, rechts
Trachea retractor, sharp, right
Separador para la tráquea, agudo, derecho
Ecarteur pour trachéotomie, pointu, à droite
Uncino tracheale, acuto, destro



TROUSSEAU
87-0270
14 cm, 5 1/2"

Trachealdilatator
Trachea dilator
Dilatador para la tráquea
Dilatateur pour la trachéotomie
Dilatatore per tracheotomia

LABORDE
87-0275
14 cm, 5 1/2"

Trachealdilatator
Trachea dilator
Dilatador para la tráquea
Dilatateur pour la trachéotomie
Dilatatore per tracheotomia

MASTIN
12-0175
17 cm, 6 3/4"

Muskelklemme
Muscular clamp
Pinza-clamp para músculos
Pince-clamp musculaire
Pinza muscolare

Trachealkanülen
Trachea Tubes
Cánulas traqueales
Canules pour la trachéotomie
Cannule tracheali

Normalradius
regular radius
radio normal
rayon normal
raggio normale

| Fig. | ø mm | L mm | Silber Silver Plata Argent Argento | Neusilber German silver Plata meneses Argent blanc Argento bianco |
|---|---|---|---|---|
| 4 | 8 | 65 | 87-0564 | 87-0574 |
| 5 | 9 | 70 | 87-0565 | 87-0575 |
| 6 | 10 | 75 | 87-0566 | ► 87-0576 |
| 7 | 11 | 80 | 87-0567 | 87-0577 |
| 8 | 12 | 85 | 87-0568 | 87-0578 |
| 9 | 13 | 90 | 87-0569 | 87-0579 |

Ventil-Sprechkanülen, Innenrohr mit Schiebeventil

Valve speaking tubes, inner tube with sliding valve

Cánulas traqueales con válvula para hablar, cánula interior con válvula de corredera

Canules parlantes, tube intérieur avec soupape à coulisse

Cannule parlanti, tubo interno con valvola scorrevole

mittlerer Radius
medium radius
radio medio
rayon moyen
raggio medio

| Fig. | ø mm | L mm | Silber Silver Plata |
|---|---|---|---|
| 4 | 8 | 95 | 87-0584 |
| 5 | 9 | 95 | 87-0585 |
| 6 | 10 | 95 | ► 87-0586 |
| 7 | 11 | 95 | 87-0587 |
| 8 | 12 | 95 | 87-0588 |
| 9 | 13 | 95 | 87-0589 |

Ventil-Sprechkanülen, Innenrohr mit Schiebeventil

Valve speaking tubes, inner tube with sliding valve

Cánulas traqueales con válvula para hablar, cánula interior con válvula de corredera

Canules parlantes, tube intérieur avec soupape à coulisse

Cannule parlanti, tubo interno con valvola scorrevole

ø 12 mm

87-0650
30 cm, 12"

Reinigungsbürste für Trachealkanülen

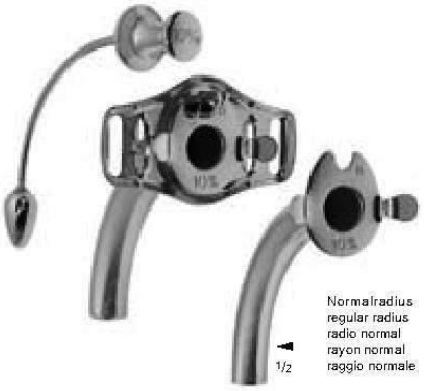
Cleaning brush for trachea tubes

Cepillo de limpias para cánulas traqueales

Brosse à nettoyer les canules trachéales

Spazzolino per pulire per cannule tracheali

Trachealkanülen
Trachea Tubes
Cánulas traqueales
Canules pour la trachéotomie
Cannule tracheali




CHEVALIER-JACKSON

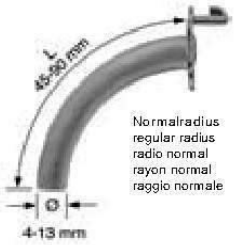
| Fig. | ø mm | L mm | Silber<br>Silver<br>Plata<br>Argent<br>Argento | Neusilber<br>German silver<br>Plata meneses<br>Argent blanc<br>Argento bianco | Rostfreier Stahl 18/8<br>Stainless steel 18/8<br>Acero inoxidable 18/8<br>Acier inox 18/8<br>Acciaio inox 18/8 |
|---|---|---|---|---|---|
| 0 | 4 | 45 | 87-0400 | 87-0420 | 87-0430 |
| 1 | 5 | 50 | 87-0401 | 87-0421 | 87-0431 |
| 2 | 6 | 55 | 87-0402 | 87-0422 | 87-0432 |
| 3 | 7 | 60 | 87-0403 | 87-0423 | 87-0433 |
| 4 | 8 | 65 | 87-0404 | 87-0424 | 87-0434 |
| 5 | 9 | 70 | 87-0405 | 87-0425 | 87-0435 |
| 6 | 10 | 75 | 87-0406 | ► 87-0426 | 87-0436 |
| 7 | 11 | 80 | 87-0407 | 87-0427 | 87-0437 |
| 8 | 12 | 85 | 87-0408 | 87-0428 | 87-0438 |
| 9 | 13 | 90 | 87-0409 | 87-0429 | 87-0439 |

| Fig. | ø mm | L mm | Neusilber<br>German silver<br>Plata meneses<br>Argent blanc<br>Argento bianco |
|---|---|---|---|
| 4 | 8 | 65 | 87-0554 |
| 5 | 9 | 70 | 87-0555 |
| 6 | 10 | 75 | ► 87-0556 |
| 7 | 11 | 80 | 87-0557 |
| 8 | 12 | 85 | 87-0558 |
| 9 | 13 | 90 | 87-0559 |

Ventil-Sprechkanülen mit rundem Aufsteckventil
Valve speaking tubes, with detachable round valve
Cánulas traqueales con válvula para hablar, redonda
Canules parlantes avec soupape ronde amovible
Cannule parlante con valvola rotonda mobile

Trachealkanülen
Trachea Tubes
Cánulas traqueales
Canules pour la trachéotomie
Cannule tracheali

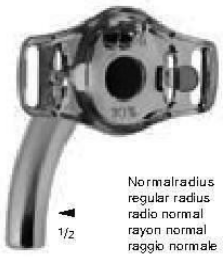
Internationale Größenskala
International Scale
Escala internacional
Echelle internationale
Scala internazionale




Normalradius
regular radius
radio normal
rayon normal
raggio normale

mittlerer Radius
medium radius
radio medio
rayon moyen
raggio medio

| Fig. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| ø mm | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |




Normalradius
regular radius
radio normal
rayon normal
raggio normale

LUER

| Fig. | ø mm | L mm | Silber<br>Silver<br>Plata<br>Argent<br>Argento | Neusilber<br>German silver<br>Plata meneses<br>Argent blanc<br>Argento bianco | Rostfreier Stahl 18/8<br>Stainless steel 18/8<br>Acero inoxidable 18/8<br>Acier inox 18/8<br>Acciaio inox 18/8 |
|---|---|---|---|---|---|
| 0 | 4 | 45 | 87-0440 | 87-0450 | 87-0460 |
| 1 | 5 | 50 | 87-0441 | 87-0451 | 87-0461 |
| 2 | 6 | 55 | 87-0442 | 87-0452 | 87-0462 |
| 3 | 7 | 60 | 87-0443 | 87-0453 | 87-0463 |
| 4 | 8 | 65 | 87-0444 | 87-0454 | 87-0464 |
| 5 | 9 | 70 | 87-0445 | 87-0455 | 87-0465 |
| 6 | 10 | 75 | 87-0446 | ► 87-0456 | 87-0466 |
| 7 | 11 | 80 | 87-0447 | 87-0457 | 87-0467 |
| 8 | 12 | 85 | 87-0448 | 87-0458 | 87-0468 |
| 9 | 13 | 90 | 87-0449 | 87-0459 | 87-0469 |

mittlerer Radius
medium radius
radio medio
rayon moyen
raggio medio

LUER

| Fig. | ø mm | L mm | Silber<br>Silver<br>Plata<br>Argent<br>Argento |
|---|---|---|---|
| 4 | 8 | 95 | 87-0414 |
| 5 | 9 | 95 | 87-0415 |
| 6 | 10 | 95 | ► 87-0416 |
| 7 | 11 | 95 | 87-0417 |
| 8 | 12 | 95 | 87-0418 |
| 9 | 13 | 95 | 87-0419 |

Instrumente für Tracheotomie
Instruments for Tracheotomy
Instrumentos para traqueotomía
Instruments pour trachéotomie
Strumentos per tracheotomia

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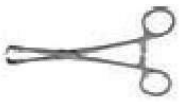


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**CRAIG-KOGLER Wirbelkörper-Biopsieinstrumentarium**
CRAIG-KOGLER Vertebral Biopsy Instruments
CRAIG-KOGLER Juego para la biopsia vertebral
CRAIG-KOGLER Set pour la biopsie vertébrale
CRAIG-KOGLER Strumenti per biopsia vertebrale

**45-0951**
ø 5 mm x 100 mm

**Trokarhülse mit Zentimeter-Einteilung**

Trocar cannula with centimetre scale

Cánula de trocar con escala graduada en centímetros

Canule de trocart gaduée en cm

Cannula per trocar con scala centimetrata

**45-0953**
ø 4 mm x 190 mm

**halbstumpfer Trokar**
Semi-blunt trocar
Trocar semi-romo
Trocart semi-mou
Trequarti semi smusso

**45-0955**
ø 4 mm x 190 mm

**Punktionstrephine für Knochen, mit gezahnter Schneide**

Trephine for bone, with serrated cutting edge

Trépano de punción para huesos, con filo dentado

Tréphine de ponction pour os, avec tranchant dentelé

Trapano per osso, con tagliente dentato

**45-0956**
ø 4 mm x 190 mm

**Punktionstrephine für Weichteile, mit glatter Schneide**

Trephine for soft tissue, with smooth cutting edge

Trépano de punción para tejido blando, con filo liso

Tréphine de ponction pour tissu mou, avec tranchant lisse

Trapano per tessuto molle, con taglio piatto

**45-0957**

**Handgriff mit Kugelschnellverschluß zum Einführen und zur Extraktion von Punktionstrephinen**

Handle with spherical quick-release mechanism for inserting and withdrawing the trephines

Mango con cierre esférico rápido para introducir y extraer los trépanos de punción

Manche avec mécanism à billes pour introduire et enlever les tréphines de ponction

Manico con meccanismo sferico di sgancio per inserire ed estrarre, trapani

**45-0958**
ø 2,5 mm x 210 mm

**Doppelkralle zur Extraktionshilfe von Weichteilen**

Double-ended retractor for extracting soft tissue

Doble-garra para extraer tejido blando

Double griffe pour extraction des tissus moux

Retrattore doppio per estrarre il tessuto molle

**45-0959**
ø 2,5 mm x 210 mm

**stumpfer Mandrin zum Ausstoßen von Gewebeproben**

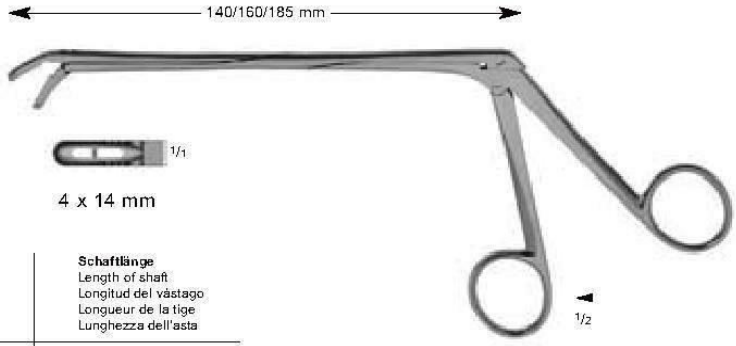
Blunt obturator for ejecting tissue samples

Obturado para sacar pruebas de tejido

Obturateur mou pour pousser les échantillons de tissu

Otturatore smusso per espellere il tessuto campione

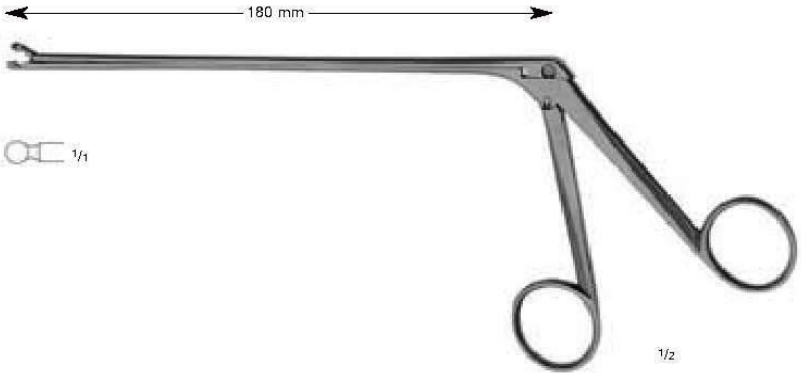
**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomía
Pinces emporte-pièces à laminectomie
Pinze per laminectomia




| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0572 | 3 x 12 mm | 140 mm |
| 53-0574 | 4 x 14 mm | 140 mm |
| 53-0582 | 3 x 12 mm | 160 mm |
| ► 53-0584 | 4 x 14 mm | 160 mm |
| 53-0592 | 3 x 12 mm | 185 mm |
| 53-0594 | 4 x 14 mm | 185 mm |

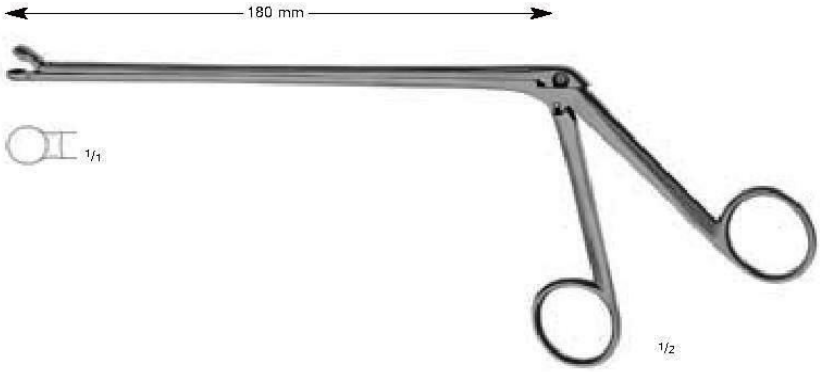
CASPAR
**53-0572**
**- 53-0594**

**abwärts gebogen**
curved down
curva hacia abajo
courbure vers le bas
curva verso il basso




YASARGIL
**57-1250**
3,5 mm

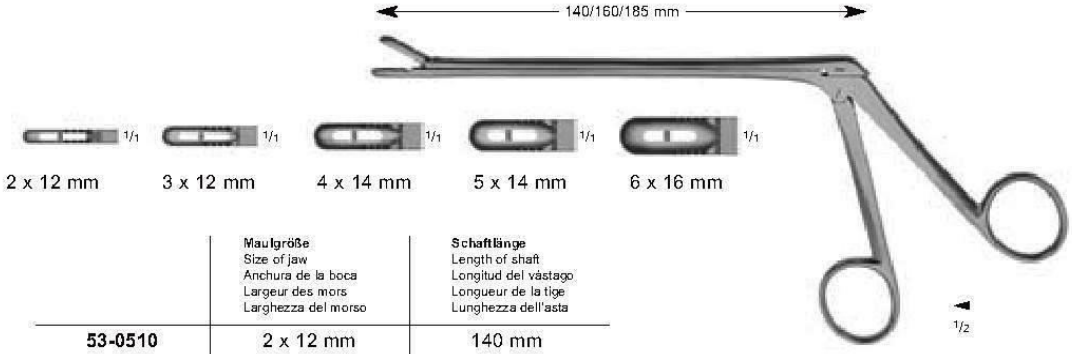
**Hypophysenzange**
Pituitary rongeur
Pinza para hipófisis
Pince pour l'hypophyse
Pinza ipofisaria




OLDBERG
**53-0300**
6 mm

**Hypophysenzange**
Pituitary rongeur
Pinza para hipófisis
Pince pour l'hypophyse
Pinza ipofisaria

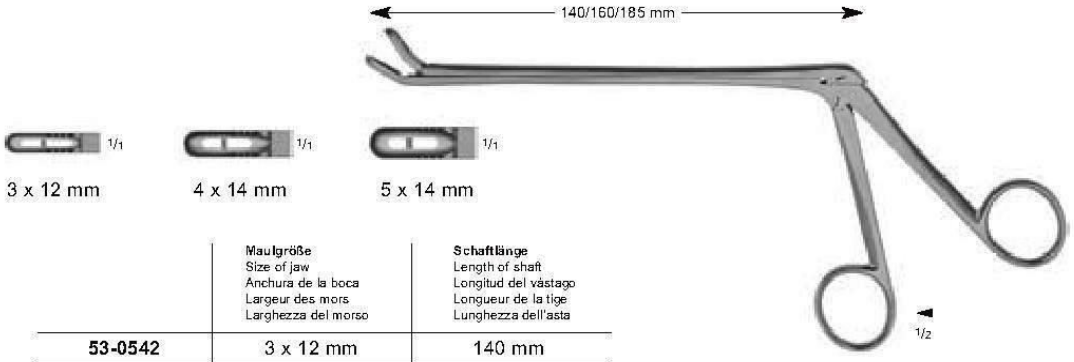
**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomía
Pinces emporte-pièces à laminectomie
Pinze per laminectomia




CASPAR
**53-0510**
**- 53-0538**

**gerade**
straight
recta
droits
retta

| | **Maulgröße**<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | **Schaftlänge**<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **53-0510** | 2 x 12 mm | 140 mm |
| **53-0512** | 3 x 12 mm | 140 mm |
| **53-0514** | 4 x 14 mm | 140 mm |
| **53-0516** | 5 x 14 mm | 140 mm |
| **53-0518** | 6 x 16 mm | 140 mm |
| **53-0520** | 2 x 12 mm | 160 mm |
| **53-0522** | 3 x 12 mm | 160 mm |
| ► **53-0524** | 4 x 14 mm | 160 mm |
| **53-0526** | 5 x 14 mm | 160 mm |
| **53-0528** | 6 x 16 mm | 160 mm |
| **53-0530** | 2 x 12 mm | 185 mm |
| **53-0532** | 3 x 12 mm | 185 mm |
| **53-0534** | 4 x 14 mm | 185 mm |
| **53-0536** | 5 x 14 mm | 185 mm |
| **53-0538** | 6 x 16 mm | 185 mm |

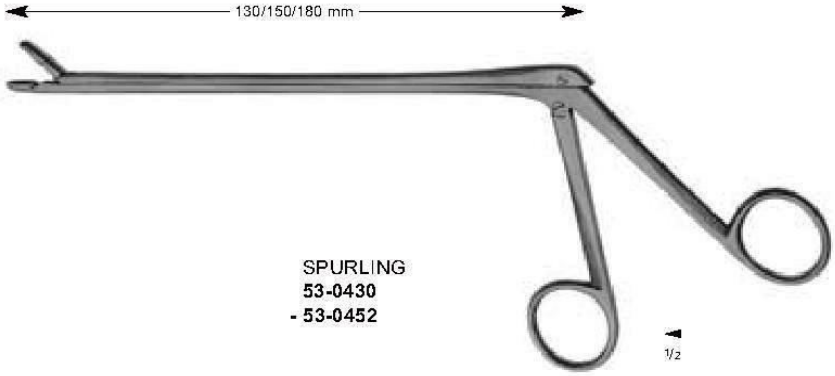



CASPAR
**53-0542**
**- 53-0566**

**aufgebogen**
curved on flat
curva hacia arriba
courbure vers le haut
curva verso l'alto

| | **Maulgröße**<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | **Schaftlänge**<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **53-0542** | 3 x 12 mm | 140 mm |
| **53-0544** | 4 x 14 mm | 140 mm |
| **53-0546** | 5 x 14 mm | 140 mm |
| **53-0552** | 3 x 12 mm | 160 mm |
| ► **53-0554** | 4 x 14 mm | 160 mm |
| **53-0556** | 5 x 14 mm | 160 mm |
| **53-0562** | 3 x 12 mm | 185 mm |
| **53-0564** | 4 x 14 mm | 185 mm |
| **53-0566** | 5 x 14 mm | 185 mm |

**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomía
Pinces emporte-pièces à laminectomie
Pinze per laminectomia



4 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0430 | 4 x 10 mm | 130 mm |
| 53-0450 | 4 x 10 mm | 150 mm |
| ► 53-0435 | 4 x 10 mm | 180 mm |

gerade
straight
recta
droits
retta

4 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0431 | 4 x 10 mm | 130 mm |
| 53-0451 | 4 x 10 mm | 150 mm |
| 53-0436 | 4 x 10 mm | 180 mm |

aufgebogen
curved on flat
curva hacia arriba
courbure vers le haut
curva verso l'alto

4 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0432 | 4 x 10 mm | 130 mm |
| 53-0452 | 4 x 10 mm | 150 mm |
| 53-0437 | 4 x 10 mm | 180 mm |

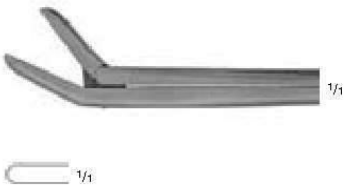
abwärts gebogen
curved down
curva hacia abajo
courbure vers le bas
curva verso il basso

**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-pièces à laminectomie
Pinze per laminectomia

3 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **53-0400** | 3 x 10 mm | 130 mm |
| **53-0403** | 3 x 10 mm | 150 mm |
| ► **53-0405** | 3 x 10 mm | 180 mm |

**gerade**
straight
recta
droits
retta




3 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **53-0401** | 3 x 10 mm | 130 mm |
| **53-0404** | 3 x 10 mm | 150 mm |
| **53-0406** | 3 x 10 mm | 180 mm |

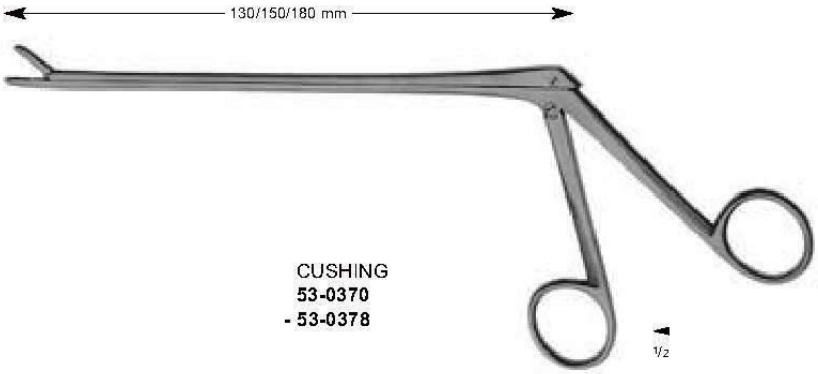
**aufgebogen**
curved on flat
curva hacia arriba
courbure vers le haut
curva verso l'alto

3 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **53-0402** | 3 x 10 mm | 130 mm |
| **53-0408** | 3 x 10 mm | 150 mm |
| **53-0407** | 3 x 10 mm | 180 mm |

**abwärts gebogen**
curved down
curva hacia abajo
courbure vers le bas
curva verso il basso

**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-pièces à laminectomie
Pinze per laminectomia



1/1
2 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0370 | 2 x 10 mm | 130 mm |
| 53-0373 | 2 x 10 mm | 150 mm |
| ► 53-0375 | 2 x 10 mm | 180 mm |

gerade
straight
recta
droits
retta

1/1
2 x 10 mm

| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0371 | 2 x 10 mm | 130 mm |
| 53-0374 | 2 x 10 mm | 150 mm |
| 53-0376 | 2 x 10 mm | 180 mm |

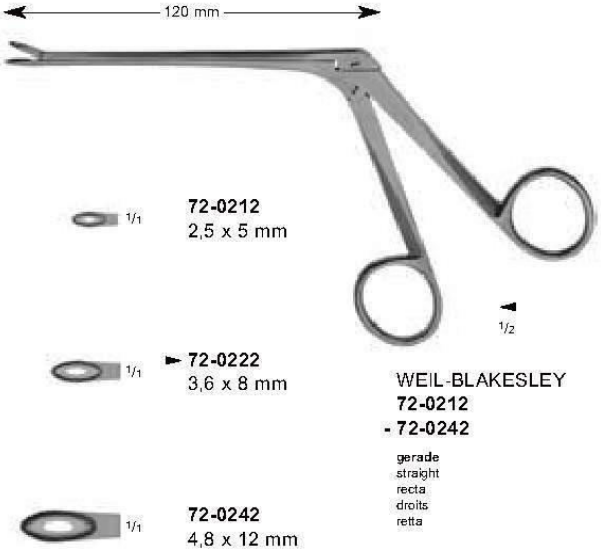
aufgebogen
curved on flat
curva hacia arriba
courbure vers le haut
curva verso l'alto

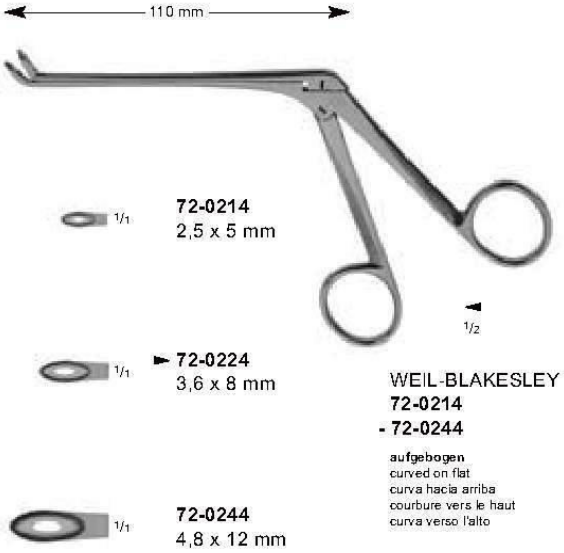
1/1
2 x 10 mm

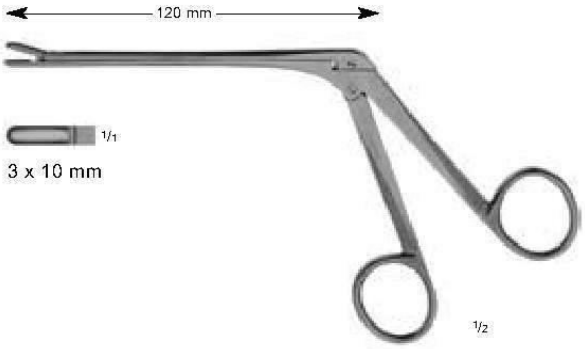
| | Maulgröße<br>Size of jaw<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 53-0372 | 2 x 10 mm | 130 mm |
| 53-0378 | 2 x 10 mm | 150 mm |
| 53-0377 | 2 x 10 mm | 180 mm |

abwärts gebogen
curved down
curva hacia abajo
courbure vers le bas
curva verso il basso

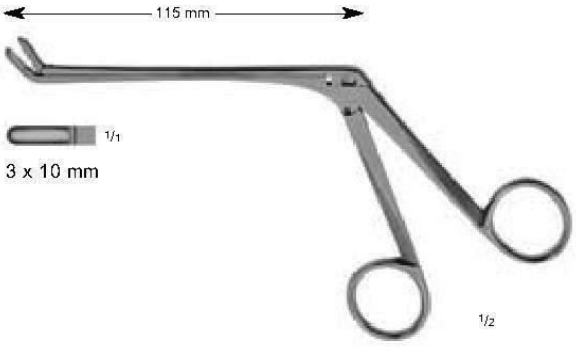
**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-pièces à laminectomie
Pinze per laminectomia



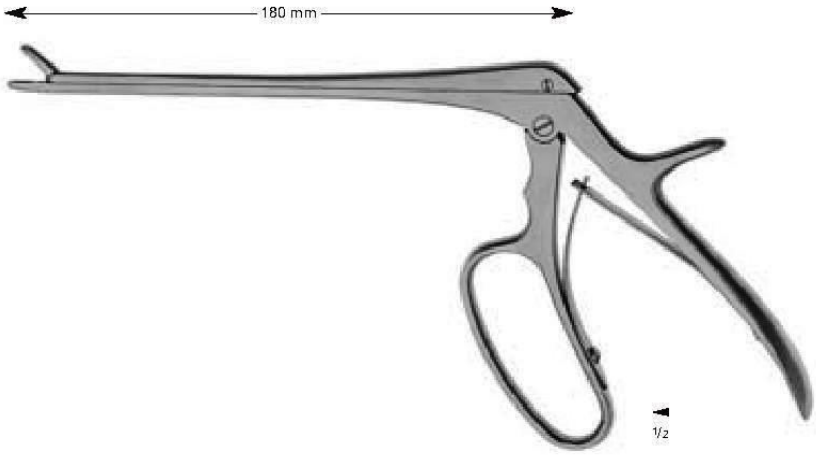




TAKAHASHI
**72-0202**
3 x 10 mm
gerade
straight
recta
droits
retta




TAKAHASHI
**72-0204**
3 x 10 mm
aufgebogen
curved on flat
curva hacia arriba
courbure vers le haut
curva verso l'alto

**Laminektomie-Zangen**
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinces emporte-pièces à laminectomie
Pinze per laminectomia



FERRIS-SMITH-CUSHING
**45-0852**
**- 45-0854**

**gerade**
straight
recta
droits
retta

**45-0852** 2 x 10 mm
► **45-0853** 3 x 10 mm
**45-0854** 4 x 10 mm

---

FERRIS-SMITH-CUSHING
**45-0862**
**- 45-0864**

**aufgebogen**
curved on flat
curva hacia arriba
courbure vers le haut
curva verso l'alto

**45-0862** 2 x 10 mm
**45-0863** 3 x 10 mm
**45-0864** 4 x 10 mm

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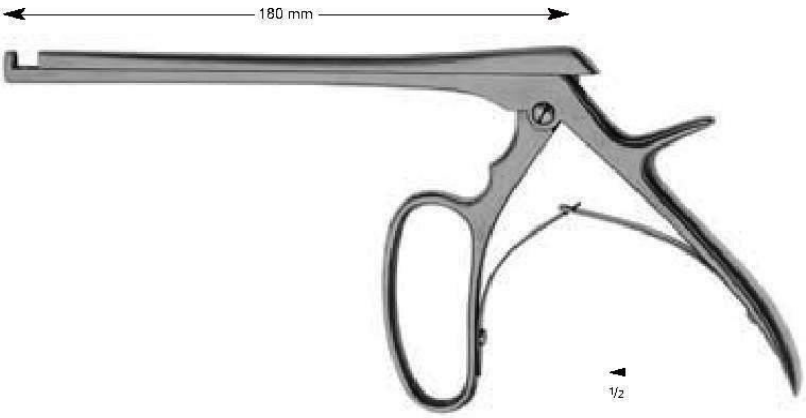
FERRIS-SMITH-CUSHING
**45-0872**
**- 45-0874**

**abwärts gebogen**
curved down
curva hacia abajo
courbure vers le bas
curva verso il basso

**45-0872** 2 x 10 mm
► **45-0873** 3 x 10 mm
**45-0874** 4 x 10 mm

**Laminektomie-Stanzen**
Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce à laminectomie
Pinze per laminectomia



**45-0806**
3 mm

► **45-0807**
5 mm

FERRIS-SMITH-KERRISON
**45-0806**
**- 45-0807**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto

---

**45-0814**
3 mm

**45-0817**
5 mm

FERRIS-SMITH-KERRISON
**45-0814**
**- 45-0817**

**nach unten schneidend 90°**
downwards cutting 90°
cortante hacia abajo 90°
coupant vers le bas 90°
taglio a 90° verso il basso

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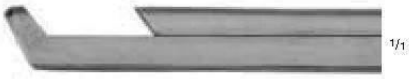


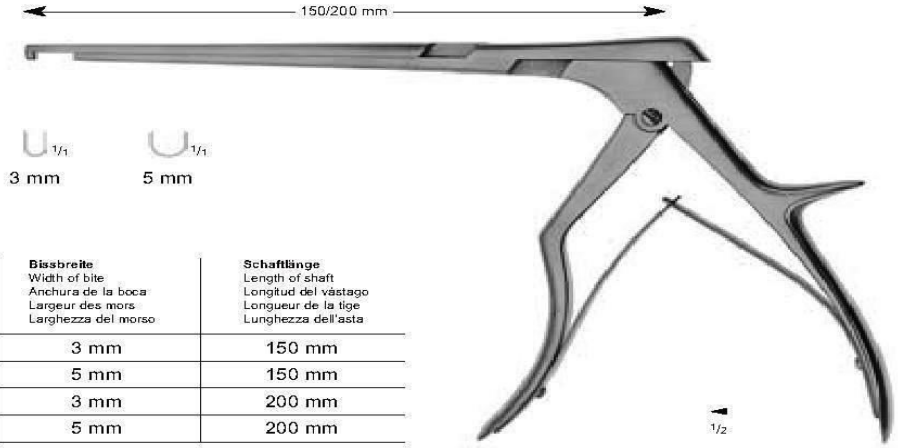
**45-0812**
3 mm

**45-0815**
5 mm

FERRIS-SMITH-KERRISON
**45-0812**
**- 45-0815**

**nach oben schneidend 130°**
upwards cutting 130°
cortante hacia arriba 130°
coupant vers le haut 130°
taglio a 130° verso l'alto

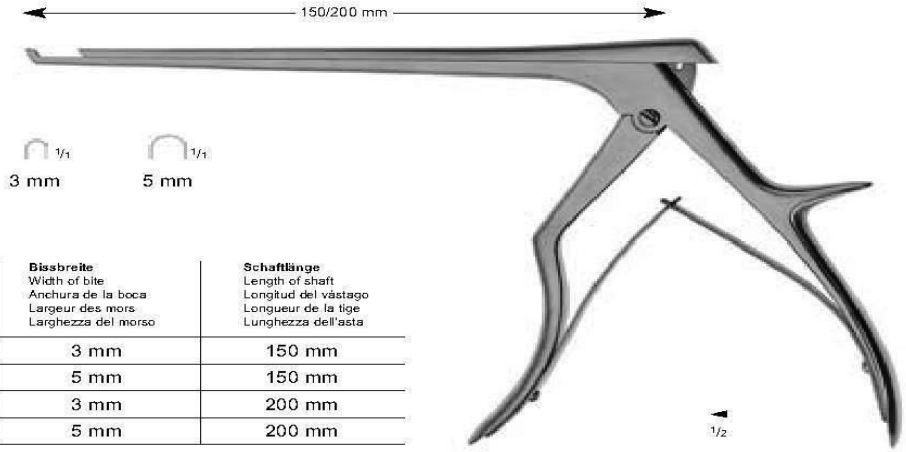
**Laminektomie-Stanzen**
Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce à laminectomie
Pinze per laminectomia




| | Bissbreite<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **45-0753** | 3 mm | 150 mm |
| **45-0755** | 5 mm | 150 mm |
| ► **45-1753** | 3 mm | 200 mm |
| **45-1755** | 5 mm | 200 mm |

LOVE-KERRISON (COLCLOUGH)
**45-0753**
**- 45-1755**

**nach unten schneidend 90°**
downwards cutting 90°
cortante hacia abajo 90°
coupant vers le bas 90°
taglio a 90° verso il basso

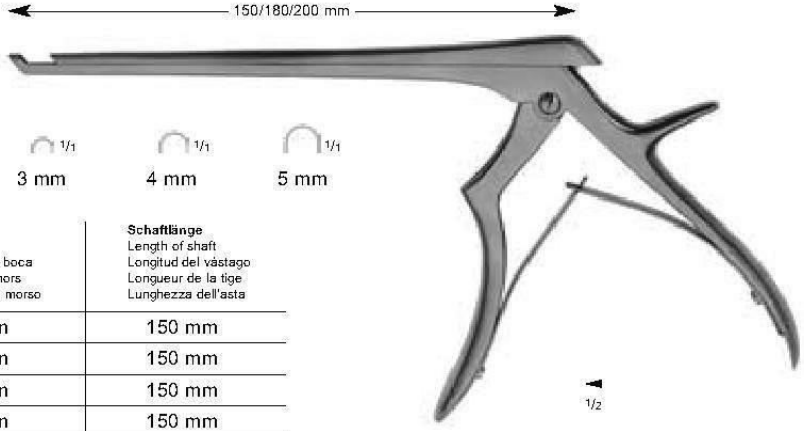



| | Bissbreite<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **45-0763** | 3 mm | 150 mm |
| **45-0765** | 5 mm | 150 mm |
| ► **45-1763** | 3 mm | 200 mm |
| **45-1765** | 5 mm | 200 mm |

LOVE-KERRISON (COLCLOUGH)
**45-0763**
**- 45-1765**

**nach oben schneidend 130°**
upwards cutting 130°
cortante hacia arriba 130°
coupant vers le haut 130°
taglio a 130° verso l'alto

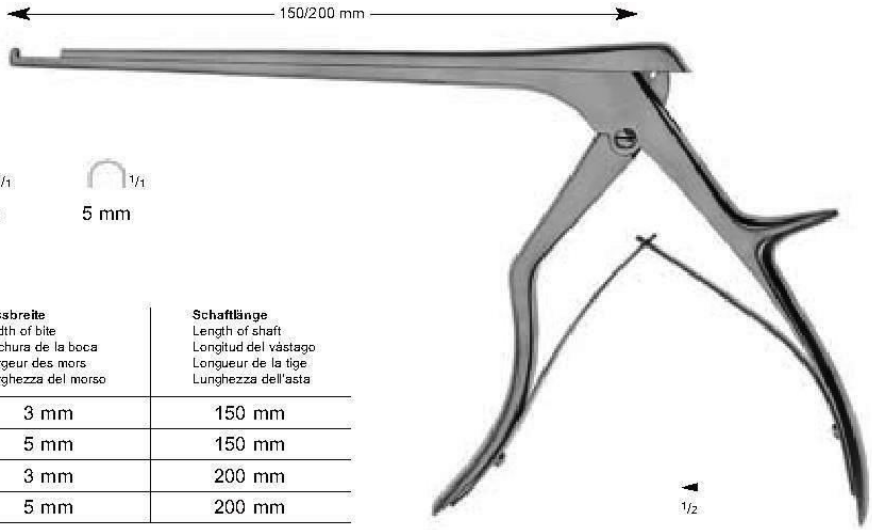
**Laminektomie-Stanzen**
Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce à laminectomie
Pinze per laminectomia




| | Bissbreite<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 45-1110 | 2 mm | 150 mm |
| 45-1111 | 3 mm | 150 mm |
| 45-1112 | 4 mm | 150 mm |
| 45-1113 | 5 mm | 150 mm |
| 45-1140 | 2 mm | 180 mm |
| ► 45-1141 | 3 mm | 180 mm |
| 45-1142 | 4 mm | 180 mm |
| 45-1143 | 5 mm | 180 mm |
| 45-1170 | 2 mm | 200 mm |
| 45-1171 | 3 mm | 200 mm |
| 45-1172 | 4 mm | 200 mm |
| 45-1173 | 5 mm | 200 mm |

FERRIS-SMITH-KERRISON
**45-1110**
**- 45-1173**

**nach oben schneidend 130°**
upwards cutting 130°
cortante hacia arriba 130°
coupant vers le haut 130°
taglio a 130° verso l'alto

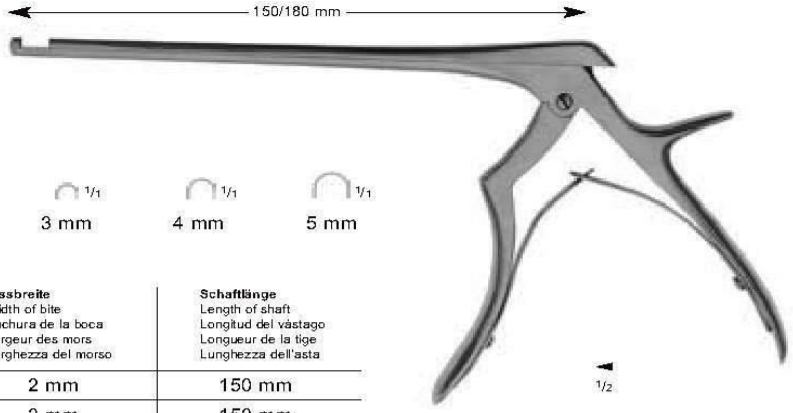



| | Bissbreite<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 45-0743 | 3 mm | 150 mm |
| 45-0745 | 5 mm | 150 mm |
| ► 45-1743 | 3 mm | 200 mm |
| 45-1745 | 5 mm | 200 mm |

LOVE-KERRISON (COLCLOUGH)
**45-0743**
**- 45-1745**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto

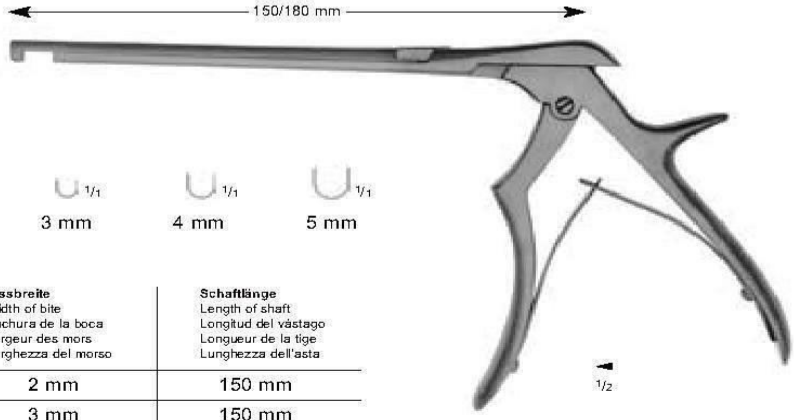
**Laminektomie-Stanzen**
Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce à laminectomie
Pinze per laminectomia




| | Bissbreite<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 45-1100 | 2 mm | 150 mm |
| 45-1101 | 3 mm | 150 mm |
| 45-1102 | 4 mm | 150 mm |
| 45-1103 | 5 mm | 150 mm |
| 45-1130 | 2 mm | 180 mm |
| ► 45-1131 | 3 mm | 180 mm |
| 45-1132 | 4 mm | 180 mm |
| 45-1133 | 5 mm | 180 mm |

FERRIS-SMITH-KERRISON
**45-1100**
**- 45-1133**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto

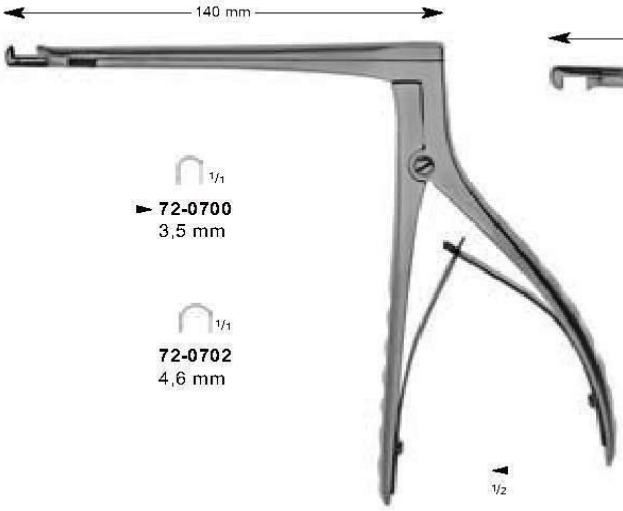



| | Bissbreite<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | Schaftlänge<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| 45-1105 | 2 mm | 150 mm |
| 45-1106 | 3 mm | 150 mm |
| 45-1107 | 4 mm | 150 mm |
| 45-1108 | 5 mm | 150 mm |
| 45-1135 | 2 mm | 180 mm |
| ► 45-1136 | 3 mm | 180 mm |
| 45-1137 | 4 mm | 180 mm |
| 45-1138 | 5 mm | 180 mm |

FERRIS-SMITH-KERRISON
**45-1105**
**- 45-1138**

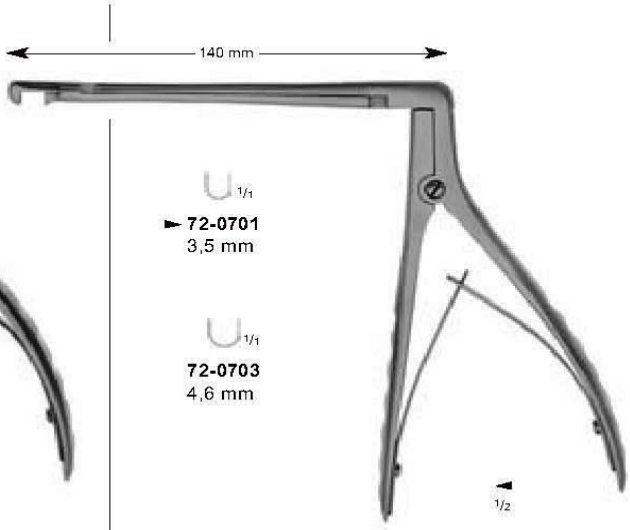
**nach unten schneidend 90°**
downwards cutting 90°
cortante hacia abajo 90°
coupant vers le bas 90°
taglio a 90° verso il basso

**Laminektomie-Stanzen**
Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce à laminectomie
Pinze per laminectomia



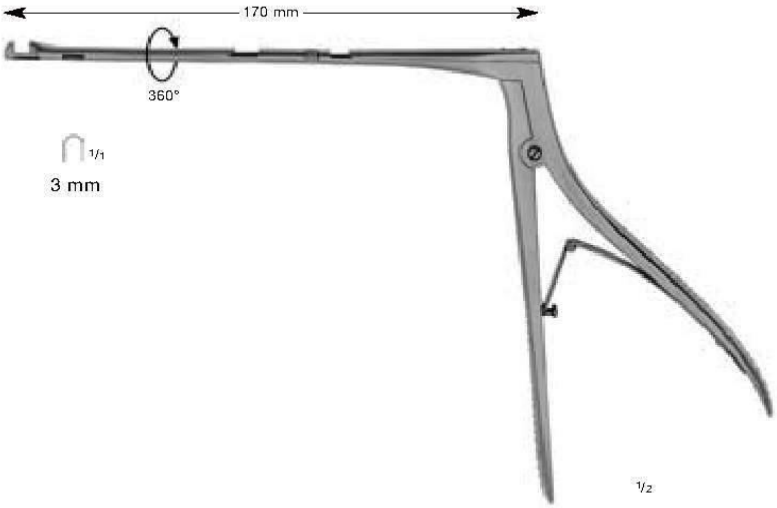

HAJEK-KOFLER
**72-0700**
**- 72-0702**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto




HAJEK-KOFLER
**72-0701**
**- 72-0703**

**nach unten schneidend 90°**
downwards cutting 90°
cortante hacia abajo 90°
coupant vers le bas 90°
taglio a 90° verso il basso




HAJEK-KOFLER
**72-0710**
3 mm

**90° schneidend, Schaft 360° drehbar**
90° cutting, shaft rotates 360°
corte 90°, vástago girable 360°
coupant à 90°, tige tournant 360°
taglio a 90°, albero rotante di 360°

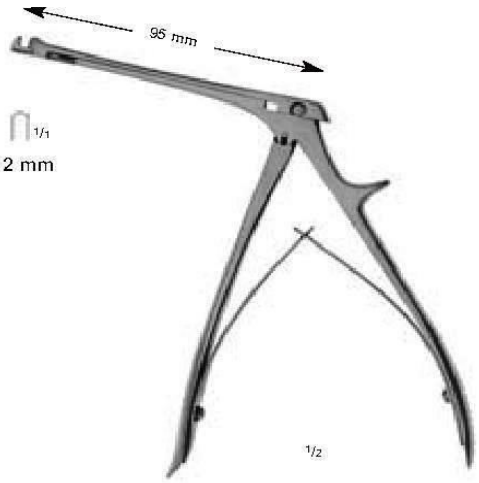
**Laminektomie-Stanzen**
Laminectomy Punches
Pinzas cortantes para laminectomia
Pinces emporte-pièce à laminectomie
Pinze per laminectomia

1/1
**63-2710**
2 mm

1/1
► **63-2711**
3 mm

CITELLI
**63-2710**
**- 63-2711**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto




1/1
2 mm

BEYER
**63-2720**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto

1/1 3 mm | 1/1 4 mm | 1/1 5 mm | 1/1 6 mm

| | **Bissbreite**<br>Width of bite<br>Anchura de la boca<br>Largeur des mors<br>Larghezza del morso | **Schaftlänge**<br>Length of shaft<br>Longitud del vástago<br>Longueur de la tige<br>Lunghezza dell'asta |
|---|---|---|
| **45-0790** | 3 mm | 90 mm |
| ► **45-0791** | 4 mm | 90 mm |
| **45-0792** | 5 mm | 90 mm |
| **45-0793** | 6 mm | 90 mm |

KERRISON
**45-0790**
**- 45-0793**

**nach oben schneidend 90°**
upwards cutting 90°
cortante hacia arriba 90°
coupant vers le haut 90°
taglio a 90° verso l'alto

**Hirnspatel**
Brain Spatulas
Espátulas cerebrales
Spatules cérébrales
Spatole cerebrali

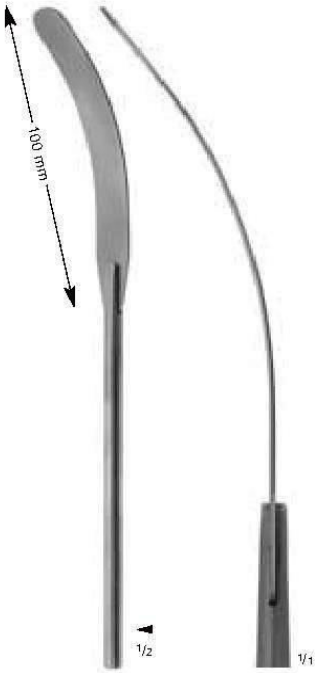
DAVIS
**52-0290** 13 mm x 190 mm
► **52-0291** 16 mm x 190 mm

**biegsam**
malleable
maleables
malléables
malleabili

CUSHING
**52-0298**
10 + 12 mm x 195 mm

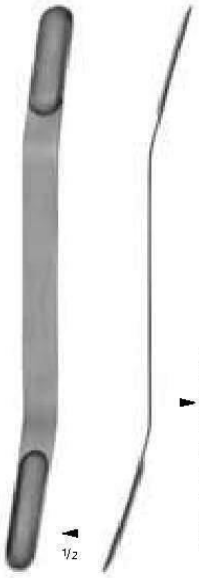
HEIFETZ
**52-0261** 8 mm x 155 mm
**52-0262** 11 mm x 155 mm
**52-0263** 14 mm x 155 mm
► **52-0264** 17 mm x 155 mm

**biegsam**
malleable
maleables
malléables
malleabili



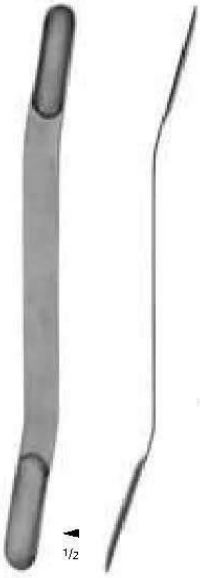

HEIFETZ
**52-0265** 14 mm x 200 mm
► **52-0266** 17 mm x 200 mm
**52-0267** 20 mm x 200 mm

**biegsam**
malleable
maleables
malléables
malleabili




OLIVECRONA
**52-0300** 7 + 9 mm x 180 mm
► **52-0301** 11 + 13 mm x 180 mm
**52-0302** 15 + 18 mm x 180 mm
**52-0303** 19 + 21 mm x 180 mm

**konvex**
convex
cónvexas
convexes
convesse




OLIVECRONA
**52-0304** 7 + 9 mm x 180 mm
► **52-0305** 11 + 13 mm x 180 mm
**52-0306** 15 + 18 mm x 180 mm
**52-0307** 19 + 21 mm x 180 mm

**konkav**
concave
cóncavas
concaves
concave

**Zubehör zu LEYLA-Retraktoren**
Accessories for LEYLA Self-Retaining Retractors
Accesorios para separadores automáticos de LEYLA
Accessoires pour écarteurs LEYLA
Accessori per autofissatori per retrattori di LEYLA

LEYLA
**52-0240**

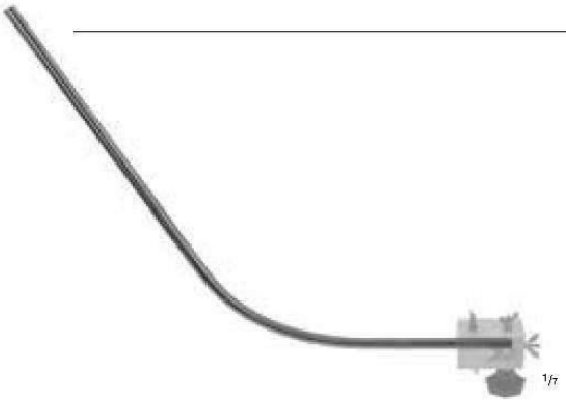
**Kugelgelenkkloben, zur Befestigung des Halte-arms 52-0242 an OP-Tisch-Schienen**

Ball and socket joint, for fixation rod 52-0242 to pole of operating table

Articulación esférica, para sujetar los brazos de apoyo 52-0242 sobre la mesa de operaciones

Articulation sphérique pour fixation du bras 52-0242 aux bandes de la table d'opération

Giunto a sfera ad incastro, per il fissaggio dell'asta 52-0242 all'estremità del tavolo operatorio




LEYLA
**52-0242**

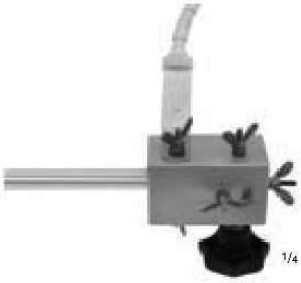
**Haltearm zur Fixation im Kugelgelenkkloben 52-0240 und zur Aufnahme der Kupplungs-köpfe 52-0244/52-0246**

Holding rod for fixation in ball and socket joint 52-0240 and to take coupling heads 52-0244/ 52-0246

Brazo de apoyo para fijar la articulación esférica 52-0240 y los acoplamientos 52-0244/52-0246

Bras de fixation à l'articulation sphérique 52-0240 et aux têtes d'accouplement 52-0244/ 52-0246

Porta asta per il fissaggio al giunto a sfera 52-0240 e alle teste di accoppiamento 52-0244/ 52-0246




LEYLA
**52-0244**

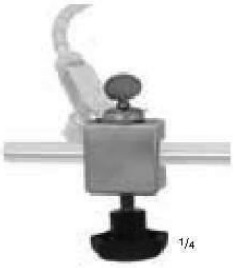
**Kupplungskopf zur Aufnahme von 1-5 Spannarmen 52-0224**

Coupling head to take 1-5 flexible arms 52-0224

Acoplamiento para sujetar 1-5 brazos 52-0224

Tête d'accouplement pour 1-5 bras flexibles 52-0224

Testa accoppiamento per 1-5 bracci flessibili 52-0224




LEYLA
**52-0246**

**Kupplungskopf, drehbar, in allen Ebenen fixier-bar, zur Aufnahme von 1 Spannarm 52-0224**

Coupling head, turnable, can be fixed in any position, to take 1 flexible arm 52-0224

Acoplamiento, girable y se puede fijar en todas las posturas para sujetar un brazo 52-0224

Tête d'accouplement, rotative, peut être fixée en toute position, pour tenir 1 bras flexible

Testa accoppiamento, può essere fissato in qualsiasi posizione, supporta 1 braccio flessibile 52-0224

**Retraktoren zur Fixation am OP-Tisch**
Self-Retaining Retractors, Fixation to Operating Table
Separadores para fijación a la mesa de operaciones
Ecarteurs pour fixation à la table d'opération
Autofissatori per retrattori, da fissare alla tavola operatoria

LEYLA
**52-0236**

**Selbsthaltender Himspatel mit 1 Spannarm, komplett, bestehend aus:**
**52-0240 1 Kugelgelenkkloben**
**52-0242 1 Haltearm**
**52-0244 1 Kupplungskopf**
**52-0224 1 Spannarm**
**52-0232 1 Spatelhalterung für Spatel mit rundem Griff**

Self-retaining brain retractor with 1 flexible arm, complete, consisting of:
52-0240 1 Ball and socket joint
52-0242 1 Holding rod
52-0244 1 Coupling head
52-0224 1 Flexible arm
52-0232 1 Support, for brain spatulas with round shaft

Separador automático para el cerebro con 1 brazo, completo, compuesto de:
52-0240 1 Articulación esférica
52-0242 1 Brazo de apoyo
52-0244 1 Acoplamiento
52-0224 1 Brazo
52-0232 1 Porta-espátula para espátulas con mangos redondos

Ecarteur du cerveau autofixant avec 1 bras complet, composé de:
52-0240 1 Articulation sphérique
52-0242 1 Bras de fixation
52-0244 1 Tête d'accouplement
52-0224 1 Bras flexible
52-0232 1 Support pour spatules avec manches ronds

Autofissatore per retrattori cervicali con 1 braccio flessibile completo, composto da:
52-0240 1 Giunto a sfera ad incastro
52-0242 1 Porta asta
52-0244 1 Testa accoppiamento
52-0224 1 Braccio flessibile
52-0232 1 Supporto per spatola craniale con albero rotondo

LEYLA
**52-0238**

**Selbsthaltender Himspatel mit 2 Spannarmen, komplett, bestehend aus:**
**52-0240 1 Kugelgelenkkloben**
**52-0242 1 Haltearm**
**52-0246 2 Kupplungsköpfe**
**52-0224 2 Spannarme**
**52-0234 1 Spatelhalterung, für flache Spatel**
**52-0232 1 Spatelhalterung, für Spatel mit rundem Griff**

Self-retaining brain retractor with 2 flexible arms, complete, consisting of:
52-0240 1 Ball and socket joint
52-0242 1 Holding rod
52-0246 2 Coupling heads
52-0224 2 Flexible arms
52-0234 1 Support, for flat brain spatulas
52-0232 1 Support, for brain spatulas with round shaft

Separador automático para el cerebro con 2 brazos, completo, compuesto de:
52-0240 1 Articulación esférica
52-0242 1 Brazo de apoyo
52-0246 2 Acoplamientos
52-0224 2 Brazos
52-0234 1 Porta-espátula, para espátulas planas
52-0232 1 Porta-espátula, para espátulas con mangos redondos

Ecarteur du cerveau autofixant avec 2 bras complet, composé de:
52-0240 1 Articulation sphérique
52-0242 1 Bras de fixation
52-0246 2 Têtes d'accouplement
52-0224 2 Bras flexibles
52-0234 1 Support pour spatules plats
52-0232 1 Support pour spatules avec manches ronds

Autofissatore per retrattori cervicali con 2 bracci flessibili completo, composto da:
52-0240 1 Giunto a sfera ad incastro
52-0242 1 Porta asta
52-0246 2 Teste accoppiamento
52-0224 2 Bracci flessibili
52-0234 1 Supporto per spatola craniale piatta
52-0232 1 Supporto per spatola craniale con albero rotondo

**Zubehör zu LEYLA-Retraktoren**
Accessories for LEYLA Self-Retaining Retractors
Accesorios para separadores automáticos de LEYLA
Accessoirs pour écarteurs autofixants de LEYLA
Accessori per autofissatori di retrattori di LEYLA

LEYLA
**52-0224**

**Spannarm, zum Aufstecken auf Kupplungsköpfe 52-0244/52-0246 und Fixiervorrichtungen 52-0226/52-0228/52-0230**

Flexible arm for attaching coupling heads 52-0244/52-0246 and fixaton bases 52-0226/52-0228/52-0230

Brazo para colocar sobre el acopalmiento 52-0244/52-0246 y los fijadores 52-0226/52-0228/52-0230

Bras flexible pour fixation aux têtes d'accouplement 52-0244/52-0246 et base de fixation 52-0226/52-0228/52-0230

Braccio flessibile per il fissaggio delle teste di accoppiamento 52-0244/52-0246 e le basi di fissaggio 52-0226/52-0228/52-0230

LEYLA
**52-0226**

**Fixiervorrichtung für 1 Spannarm 52-0224, zum Festschrauben am Schädel**

Fixation base for 1 flexible arm 52-0224, for skull mounting

Fijador para 1 brazo 52-0224, para atornillar al cráneo

Base de fixation pour 1 bras 52-0224, pour fixer au crâne

Base di fissaggio per 1 braccio flessibile 52-0224, per il supporto del cranio

LEYLA
**52-0228**

**Fixiervorrichtung für 2 Spannarme 52-0224, zum Festschrauben am Schädel**

Fixation base for 2 flexible arms 52-0224, for skull mounting

Fijador para 2 brazos 52-0224, para atornillar al cráneo

Base de fixation pour 2 bras 52-0224, pour fixer au crâne

Base di fissaggio per 2 bracci flessibili 52-0224, per il supporto del cranio

LEYLA
**52-0230**

**Fixiervorrichtung für 1 Spannarm 52-0224, zum Festschrauben an Rohrteilen bis ø 16 mm**

Fixation base for 1 flexible arm 52-0224, for mounting to bars up to 16 mm diam.

Fijador para 1 brazo 52-0224, para atornillar a tubos hasta 16 mm

Base de fixation pour 1 bras 52-0224, pour fixer aux tubes jusqu' à ø 16 mm

Base di fissaggio per 1 braccio flessibile 52-0224, per il supporto di asta di raccordo da 16 mm

LEYLA
**52-0232**

**Spatelhalter mit Rundschaft bis ø 5,5 mm, zur Befestigung am Spannarm 52-0224**

Support for brain spatulas with round shaft up to 5.5 mm diam., fixation to flexible arm 52-0224

Porta-espátula con vástago redondo hasta ø 5,5 mm, para sujetarlo al brazo 52-0224

Support pour spatules avec tiges ronds jusqu' à ø 5,5 mm, pour fixation au bras

Supporto per spatola craniale con diametro asse 5,5 mm, fissato al braccio flessibile 52-0224

LEYLA
**52-0234**

**Spatelhalter für flache Spatel, zur Befestigung am Spannarm 52-0224**

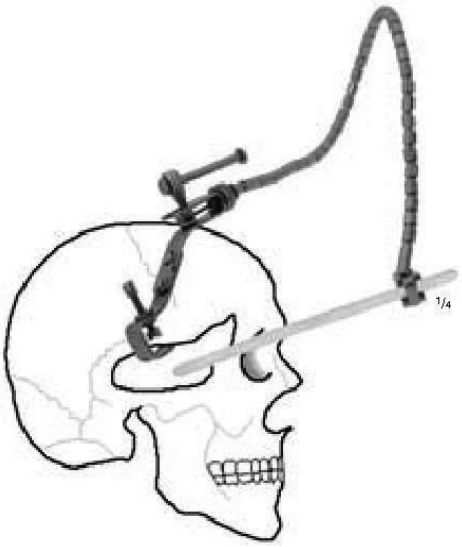
Support for flat brain spatulas, fixation to flexible arm 52-0224

Porta-espátula para espátulas planas, para sujetarlo al brazo 52-0224

Support pour tiges plats pour fixation 52-0224

Supporto per spatola cervicale piatta, fissato al braccio flessibile 52-0224

**Retraktoren zur Fixation am Schädel**
Self-Retaining Retractors, for Skull Mounting
Separadores para la fijación del cráneo
Ecarteurs autofixant au crâne
Autofissator per retrattori, per il supporto del cranio




LEYLA
**52-0220**

**Selbsthaltender Hirnspatel mit 1 Spannarm, komplett, bestehend aus:**
**52-0224 1 Spannarm, flexibel**
**52-0226 1 Fixiervorrichtung für 1 Spannarm**
**52-0234 1 Spatelhalter für flache Spatel**

Self-retaining brain retractor with 1 arm, complete, consisting of:
52-0224 1 Flexible arm
52-0226 1 Fixation base for 1 arm
52-0234 1 Support for flat brain spatulas

Separador automático para el cerebro con 1 brazo, completo, compuesto de:
52-0224 1 Brazo, flexible
52-0226 1 Fijador para 1 brazo
52-0234 1 Porta-espátula para espátulas planas

Ecarteur autofixant au crâne avec 1 bras complet, composé de:
52-0224 1 Bras flexible
52-0226 1 Base de fixation pour 1 bras
52-0234 1 Support pour spatules plats

Autofissatore per retrattore cervicale con 1 braccio, completo, composto da:
52-0224 1 Braccio flessibile
52-0226 1 Base di fissaggio per 1 braccio
52-0234 1 Supporto per spatole cervicali piatte

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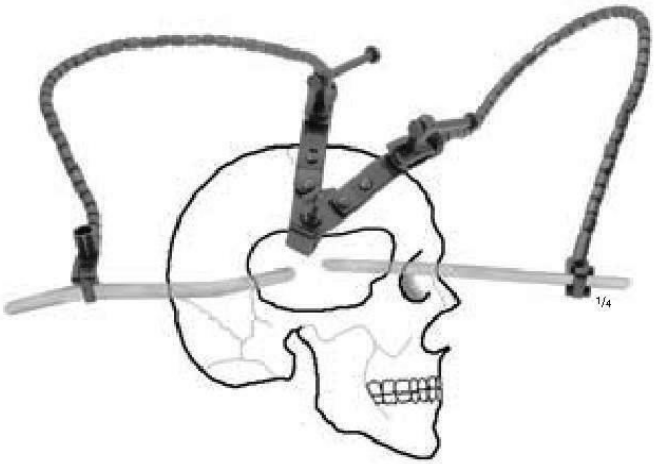



LEYLA
**52-0222**

**Selbsthaltender Hirnspatel mit 2 Spannarmen, komplett, bestehend aus:**
**52-0224 2 Spannarme, flexibel**
**52-0228 1 Fixiervorrichtung für 2 Spannarme**
**52-0234 2 Spatelhalter für flache Spatel**

Self-retaining brain retractor with 2 arms, complete, consisting of:
52-0224 2 Flexible arms
52-0228 1 Fixation base for 2 arms
52-0234 2 Supports for flat brain spatulas

Separador automático para cerebro con 2 brazos, completo, compuesto de:
52-0224 2 Brazos, flexibles
52-0228 1 Fijador para 2 brazos
52-0234 2 Porta-espátula para espátulas planas

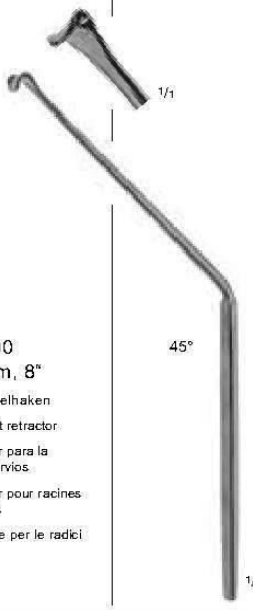
Ecarteur autofixant au crâne avec 2 bras complet, composé de:
52-0224 2 Bras flexible
52-0228 1 Base de fixation pour 2 bras
52-0234 2 Support pour spatules plats

Autofissatore per retrattore cervicale con 2 bracci, completo, composto da:
52-0224 2 Bracci flessibili
52-0228 1 Base di fissaggio per 2 bracci
52-0234 2 Supporti per spatole cervicali piatte

Nervwurzelhaken
Nerve Root Retractors
Separadores para la raiz de nervios
Rétracteurs pour racines nerveuses
Separatori per le radici dei nervi

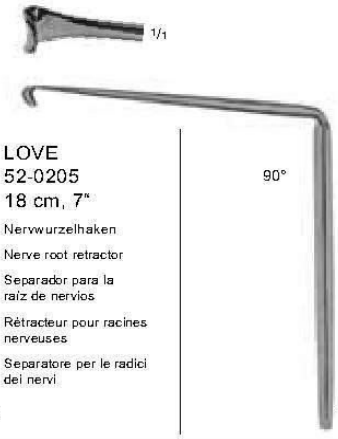
Dekompressionshaken
Decompression Hook
Ganchos para decompresión
Crochets pour décompression
Ganci per decompressione

LOVE
52-0200
20,5 cm, 8"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi



45°

LOVE
52-0205
18 cm, 7"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi



90°

LOVE
52-0210
14 cm, 5½"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi

LOVE
52-0202
22,5 cm, 9"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi

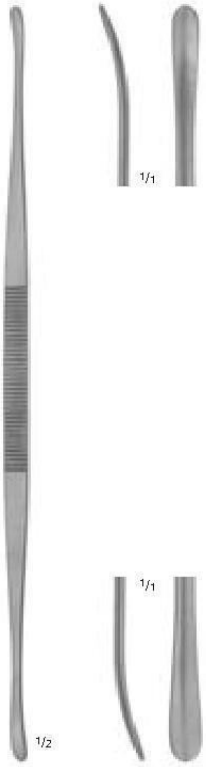
SCOVILLE
52-0212
23 cm, 9"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi

HOLSHER
52-0214
24 cm, 9½"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi

SCOVILLE
52-0216
20 cm, 8"
Nervwurzelhaken
Nerve root retractor
Separador para la raiz de nervios
Rétracteur pour racines nerveuses
Separatore per le radici dei nervi

CUSHING
52-0250
21 cm, 8¼"
Dekompressionshaken
Decompression hook
Gancho para decompresión
Crochet pour décompression
Gancio per decompressione

Dura-Dissektoren
Dura Dissectors
Disecadores para dura-madre
Dissecteurs à dure-mère
Dissettori per la dura-madre




TOENNIS
51-0634
24 cm, 9 1/2"

TOENNIS
51-0636
24 cm, 9 1/2"

OLIVECRONA
51-0640 18 cm, 7"
► 51-0641 24 cm, 9 1/2"

OLIVECRONA
51-0643 19,5 cm, 7 3/4"
► 51-0644 24,0 cm, 9 1/2"

Dura-Dissektoren
Dura Dissectors
Disecadores para dura-madre
Dissecteurs à dure-mère
Dissettori per la dura-madre

PENFIELD
51-0790
17,5 cm, 7"

PENFIELD
51-0792
19,5 cm, 7 3/4"

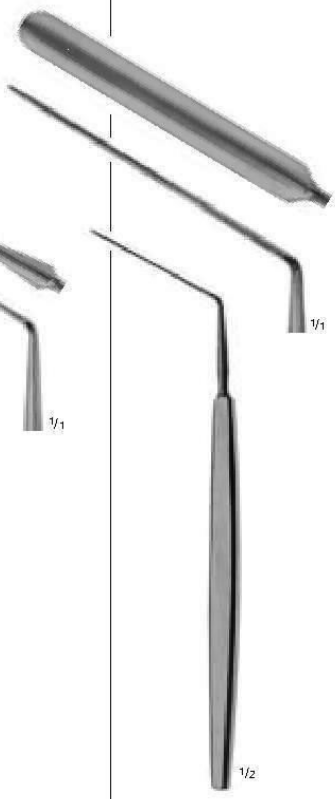
PENFIELD
51-0794
19,5 cm, 7 3/4"

PENFIELD
51-0796
21,5 cm, 8 1/2"

PENFIELD
51-0798
29 cm, 11 1/2"

Dura-Separatoren
Dura Separators
Disecadores de dura-madre
Dissecteurs pour la dure-mère
Dissettori per la dura-madre

FRAZIER
51-0745
16,5 cm, 6 1/2"




HORSLEY
51-0730
18,5 cm, 7 1/4"

MILLIGAN
51-0731
21 cm, 8 1/4"

SACHS
51-0735
20 cm, 8"

SACHS
51-0729
23 cm, 9"

Mikro-Instrumente
Micro Instruments
Instrumentos para microcirugia
Instruments pour microchirurgie
Strumenti per microchirurgia

► 57-0150
23 cm
9"

Dissektor
Dissector
Disecador
Dissecteur
Dissettore

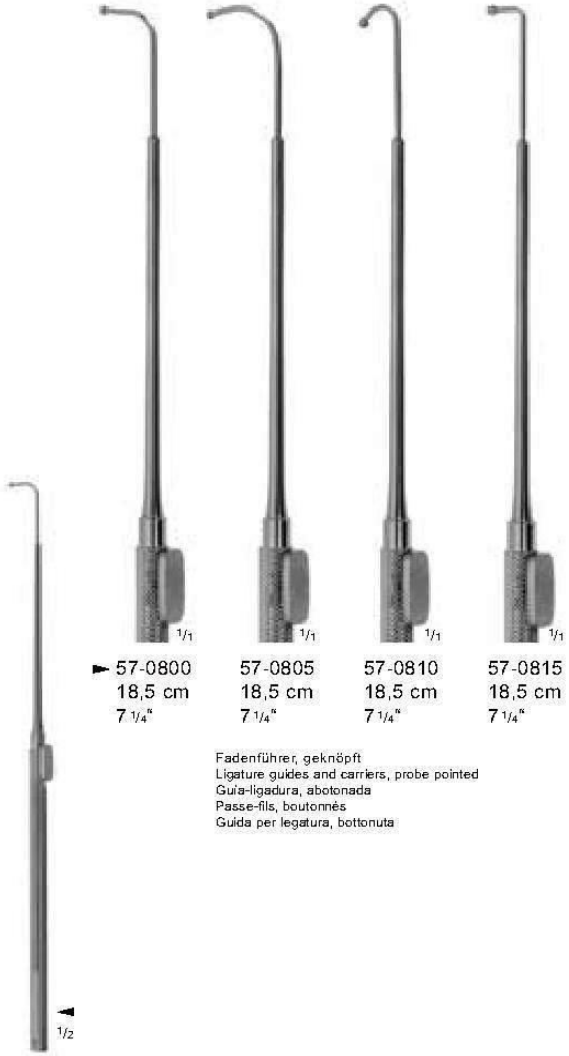
57-0152
23 cm
9"

Dissektor
Dissector
Disecador
Dissecteur
Dissettore

57-0154
23 cm
9"

Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

57-0150
- 57-0154




► 57-0800
18,5 cm
7 1/4"

57-0805
18,5 cm
7 1/4"

57-0810
18,5 cm
7 1/4"

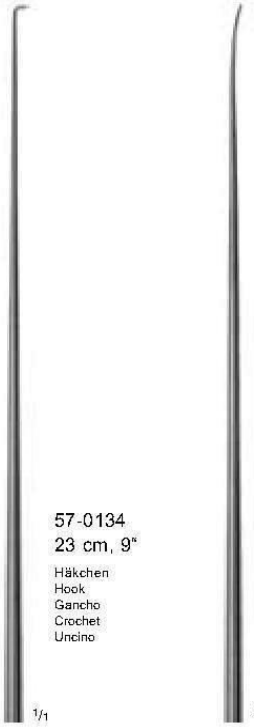
57-0815
18,5 cm
7 1/4"

Fadenführer, geknöpft
Ligature guides and carriers, probe pointed
Guía-ligadura, abotonada
Passe-fils, boutonnés
Guida per legatura, bottonuta

YASARGIL
57-0800
- 57-0815

Mikro-Instrumente
Micro Instruments
Instrumentos para microcirugia
Instruments pour microchirurgie
Strumenti per microchirurgia

► 57-0132
23 cm, 9"
Häkchen
Hook
Gancho
Crochet
Uncino
1/1



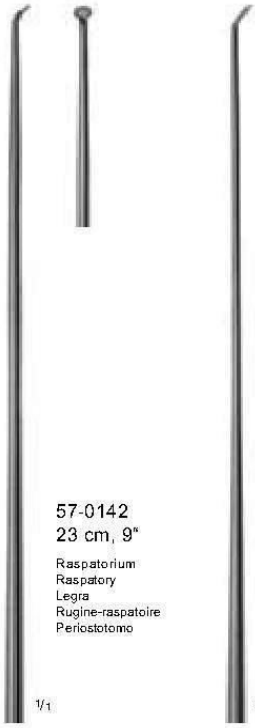
57-0134
23 cm, 9"
Häkchen
Hook
Gancho
Crochet
Uncino
1/1

57-0136
23 cm, 9"
Dissektor
Dissector
Disecador
Dissecteur
Dissettore
1/1

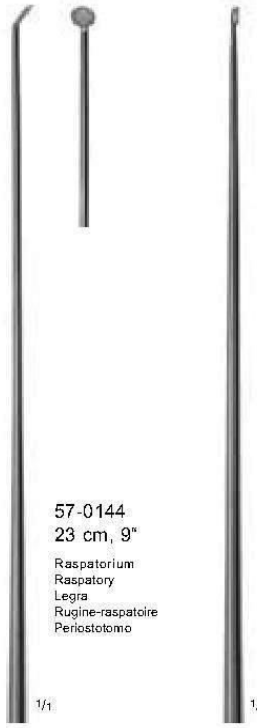
57-0138
23 cm, 9"
Dissektor
Dissector
Disecador
Dissecteur
Dissettore
1/1

◄ 1/2

57-0132
- 57-0148

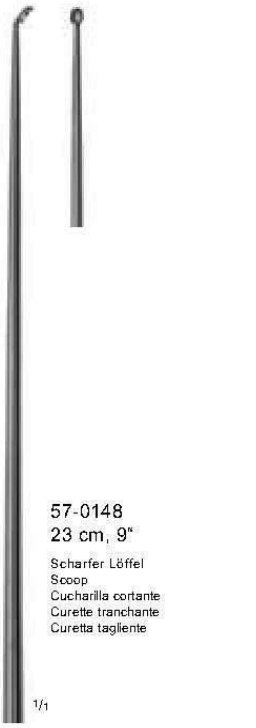


57-0142
23 cm, 9"
Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo
1/1



57-0144
23 cm, 9"
Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo
1/1

57-0146
23 cm, 9"
Scharfer Löffel
Scoop
Cucharilla cortante
Curette tranchante
Curetta tagliente
1/1



57-0148
23 cm, 9"
Scharfer Löffel
Scoop
Cucharilla cortante
Curette tranchante
Curetta tagliente
1/1

Mikro-Instrumente
Micro Instruments
Instrumentos para microcirugia
Instruments pour microchirurgie
Strumenti per microchirurgia

YASARGIL
57-0130
18,5 cm, 7 1/4"
Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

YASARGIL
57-0120
18,5 cm, 7 1/4"
Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

YASARGIL
57-0125
18,5 cm, 7 1/4"
Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

YASARGIL
57-0050
18,5 cm, 7 1/4"
Scharfer Löffel
Scoop
Cucharilla cortante
Curette tranchante
Curetta tagliente

YASARGIL
57-0098
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

YASARGIL
► 57-0099
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

KOOS
57-0091
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

KOOS
57-0094
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

KOOS
57-0092
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

KOOS
57-0093
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

Schneide seitlich
lateral cutting edge
filo de corte lateral
tranchant latéral
taglio latérale

KRAUS
57-0096
18,5 cm, 7 1/4"
Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

Mikro-Instrumente
Micro Instruments
Instrumentos para microcirugia
Instruments pour microchirurgie
Strumenti per microchirurgia

1/1

JACOBSON
57-0080
18,5 cm, 7 1/4"

Knopfsonde
Buttoned probe
Sonda abotonada
Sonde boutonnée
Sonda bottonuta

1/1

JACOBSON
57-0085
18,5 cm, 7 1/4"

Doppelsonde
Twin probe
Sonda doble
Sonde double
Sonda doppia

1/1

JACOBSON
57-0090
18,5 cm, 7 1/4"

Fadengabel
Suture pusher
Empujador de sutura
Fourche à fil
Punzone per sutura

1/1

YASARGIL
► 57-0115
18,5 cm, 7 1/4"

Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

1/1

YASARGIL
57-0175
18,5 cm, 7 1/4"

Dissektor
Dissector
Disecador
Dissecteur
Dissettore

◄ 1/2

1/1

YASARGIL
57-0110
18,5 cm, 7 1/4"

Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

1/1

YASARGIL
57-0100
18,5 cm, 7 1/4"

Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

1/1

YASARGIL
57-0105
18,5 cm, 7 1/4"

Raspatorium
Raspatory
Legra
Rugine-raspatoire
Periostotomo

1/1

JACOBSON
57-0095
18,5 cm, 7 1/4"

Gefäßmesser
Vessel knife
Cuchillo para vasos
Couteau pour vaisseaux
Bisturi per vasi

Hypophysektomie-Instrumente
Pituitary Instruments
Instrumentos para la hipofisectomia
Instruments pour la hypophysectomie
Strumenti per ipofisi

| HARDY 51-0570 24,5 cm 9 3/4" | HARDY 51-0571 24,5 cm 9 3/4" | HARDY-FAHLBUSCH 51-0572 24,5 cm 9 3/4" | HARDY-FAHLBUSCH 51-0573 24,5 cm 9 3/4" | HARDY 51-0574 24,5 cm 9 3/4" | HARDY 51-0575 24,5 cm 9 3/4" | HARDY 51-0576 24,5 cm 9 3/4" |
|---|---|---|---|---|---|---|
| Enukleatoren, stumpf<br>Enucleators, blunt<br>Enucleadores, romos<br>Enucléateurs, moux<br>Enucleatore, smusso | | Dissektoren, innen scharf<br>Dissectors, sharpened inner edge<br>Disecadores, agudos en el interior<br>Dissecteur, pointus à l'intéreur<br>Dissettori, bordo interno acuto | | Dissektoren, innen scharf<br>Dissectors, sharpened inner edge<br>Disecadores, agudos en el interior<br>Dissecteur, pointus à l'intéreur<br>Dissettori, bordo interno acuto | | Implantations-gabel<br>Implant fork<br>Horquilla para implantar<br>Fourchette pour implants<br>Forchetta per impiantare |

Hypophysektomie-Instrumente
Pituitary Instruments
Instrumentos para la hipofisectomía
Instruments pour la hypophysectomie
Strumenti per ipofisi

LANDOLT-CUSHING
51-0540 ø 15 mm x 70 mm
► 51-0541 ø 15 mm x 90 mm

Spekula für trans-sphenoidale Hypophysektomie

Specula for trans-sphenoidal hypophysectomy

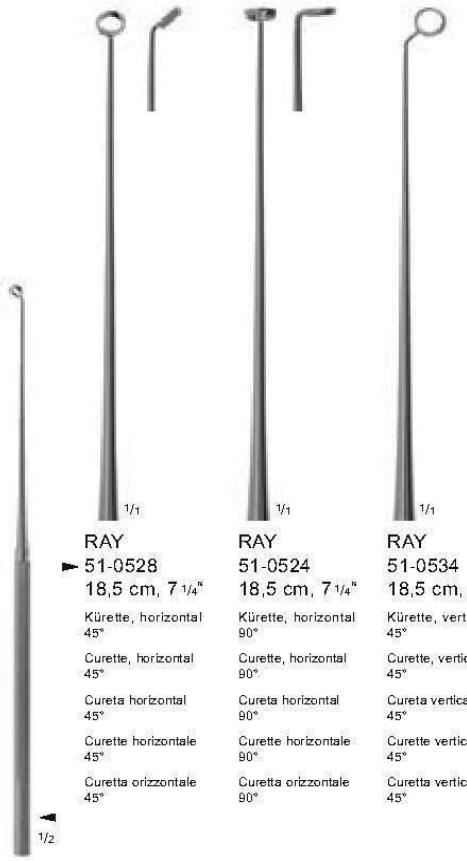
Espéculos para la hipofisectomía trans-sfeniodal

Spécula pour la hypophysectomie transsphénoïdale

Speculo per ipofisectomia trans-sfenoidale

1/2

ø 4 mm ø 4 mm ø 4 mm



1/1 1/1 1/1

RAY
► 51-0528
18,5 cm, 7 1/4"

Kürette, horizontal 45°

Curette, horizontal 45°

Cureta horizontal 45°

Curette horizontale 45°

Curetta orizzontale 45°

RAY
51-0524
18,5 cm, 7 1/4"

Kürette, horizontal 90°

Curette, horizontal 90°

Cureta horizontal 90°

Curette horizontale 90°

Curetta orizzontale 90°

RAY
51-0534
18,5 cm, 7 1/4"

Kürette, vertikal 45°

Curette, vertical 45°

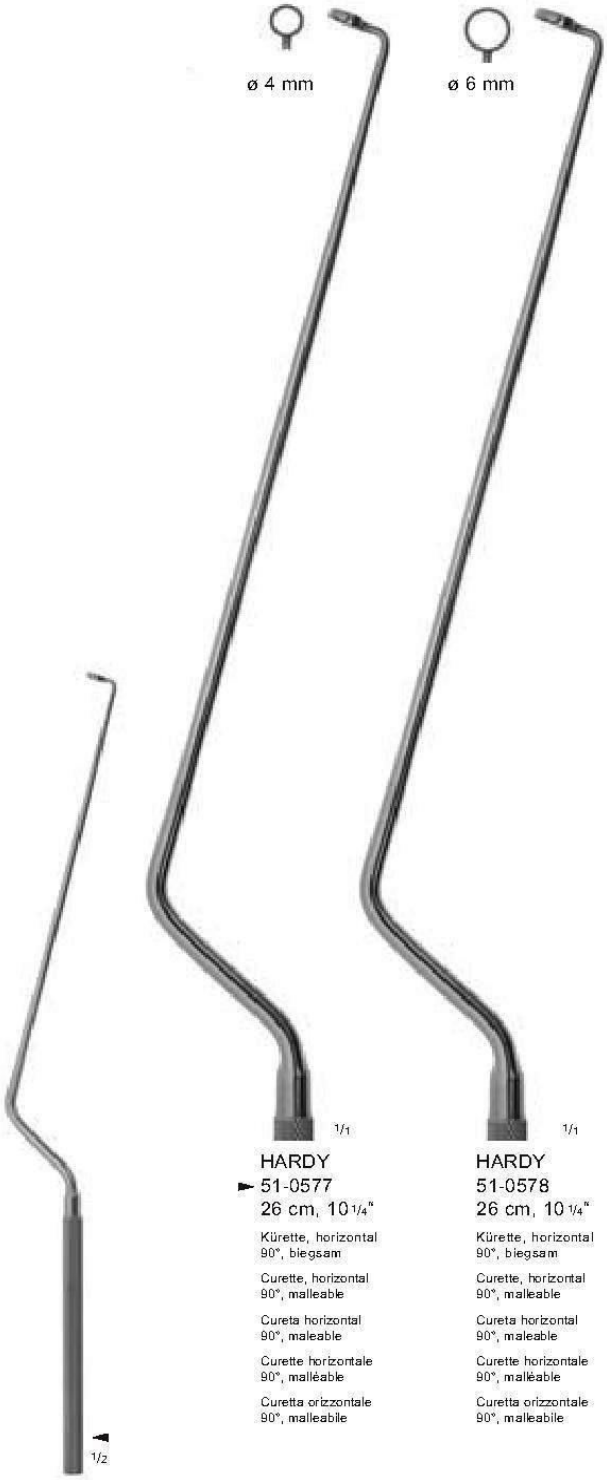
Cureta vertical 45°

Curette verticale 45°

Curetta verticale 45°

1/2

ø 4 mm ø 6 mm



1/1 1/1

HARDY
► 51-0577
26 cm, 10 1/4"

Kürette, horizontal 90°, biegsam

Curette, horizontal 90°, malleable

Cureta horizontal 90°, maleable

Curette horizontale 90°, malléable

Curetta orizzontale 90°, malleabile

HARDY
51-0578
26 cm, 10 1/4"

Kürette, horizontal 90°, biegsam

Curette, horizontal 90°, malleable

Cureta horizontal 90°, maleable

Curette horizontale 90°, malléable

Curetta orizzontale 90°, malleabile

1/2

Klammerinstrumentarium
Clip Instruments
Instrumental para grapar
Instruments à suture
Strumenti per mettere i punti

Galeahaken
Galea Hooks
Gancho para galea
Crochets de galea
Ganci galea

MOD. KÖLN
50-0649

Kopfhautklammern, in Packungen zu 10 Stück

Scalp hemostasis clips, in packages of 10 pieces

Pinza hemostática para cuero cabelludo, en paquetes de 10 piezas

Agrafes hémostatiques pour cuir chevelu en paquets de 10 pièces

Agrafes emostatici per cuoio capelluto, in confezioni da 10 pezzi

RANEY
50-0658

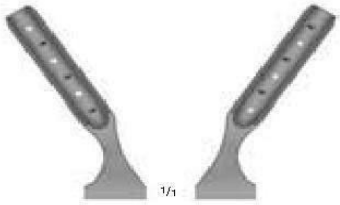
Kopfhautklammern, in Packungen zu 12 Stück

Scalp hemostasis clips, in packages of 12 pieces

Pinza hemostática para cuero cabelludo, en paquetes de 12 piezas

Agrafes hémostatiques pour cuir chevelu en paquets de 12 pièces

Agrafes emostatici per cuoio capelluto, in confezioni da 12 pezzi



RANEY
50-0650
16 cm, 6 1/4"

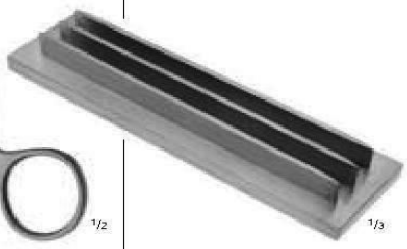
Anlege- und Abnehmezange für Kopfhautklammern 50-0658

Applying and removing forceps for scalp hemostasis clips 50-0658

Pinza para aplicar y quitar clips hemostáticas de cuero cabelludo 50-0658

Pince pour poser et retirer les clips hémostatiques du cuir chevelu 50-0658

Pinza per applicare e togliere le agrafes emostatiche al cuoio capelluto 50-0658




RANEY
50-0652
180 x 50 x 25 mm

Klammerblock mit 3 Klammernbügeln

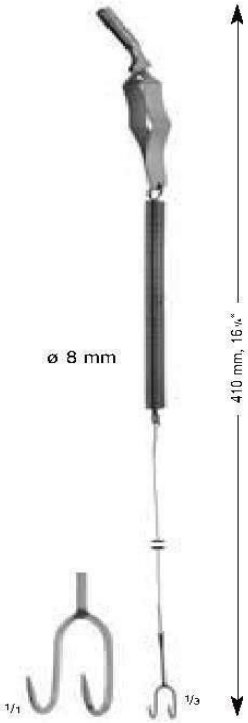
Scalp hemostasis clip carrier with 3 clip holding racks

Porta-grapas con 3 rieles para grapas

Support porte-agrafes, avec 3 rangées d'agrafes

Supporto porta-agrafes, con 3 file di agrafes

YASARGIL
52-0252
31 cm, 12 1/4"




YASARGIL
52-0254
41 cm, 16 1/4"

Federhaken zur Galea-Fixation mit Bulldogklemme zum Befestigen am Abdecktuch
Spring hooks for galea fixation with bulldog clamp, to be fastened to covering drape
Ganchos con muelle para la fijación de la galea, con pinza de bulldog para agarrar tela
Crochets à molle pour fixer la galea, avec pince bulldog pour fixer au champ opératoire
Ganci a molla per fissare la galea con clamp bulldog, da applicare al telo di copertura

Klammerinstrumentarium
Clip Instruments
Instrumental para grapar
Instruments à suture
Strumenti per mettere i punti

MC KENZIE
50-0631

Silberklammern in Plastikbehälter, zu 100 Stück

Silver brain clips in plastic vial, comprising 100 pieces

Grapas de plata en tubo de plástico, conteniendo 100 piezas

Agrafes en argent, en petit tube en matière plastique, par 100 pièces

Agrafes di argento, contenuti in piccoli tubi di materiale plastico, 100 pezzi per tubo

MC KENZIE
50-0633

Silberdraht zur Herstellung von Klammern, in Ringen zu 2,5 gr.

Silver wire in coils of 2.5 g

Hilo de plata para producir grapas, en rollos de 2,5 gr.

Fil d'argent pour fabriquer des agrafes par rouleaux de 2,5 g

Filo di argento per la costruzione di agrafes in rotoli da gr. 2,5

MC KENZIE
50-0635
148 x 40 x 6 mm

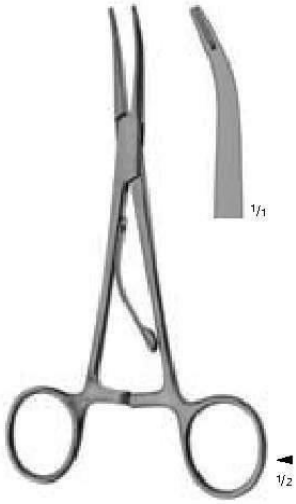
Klammerblock mit 1 Klammernbügel und 1 Schiebedeckel

Silver clip carrier with 1 clip holding rack and 1 sliding cover

Porta-grapas con 1 riel para grapas y 1 tapa corrediza

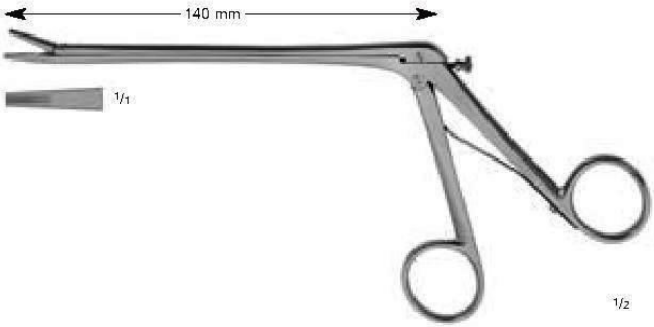
Support porte-agrafes, avec 1 rangée d'agrafes et 1 couvercle coulissant

Supporto porta-agrafes, con 1 fila di agrafes e 1 copertura a scorrimento




MC KENZIE
► 50-0600 15,5 cm, 6"
50-0602 18,5 cm, 7 1/4 "

Klammer-Anlegezangen für Silberklammern 50-0631
Clip applying forceps for silver clips 50-0631
Pinzas clipadoras para las grapas de plata 50-0631
Pince pose clips 50-0631
Pinza metti agrafes per agrafes in argento 50-0631




OLIVECRONA-TOENNIS (SCOVILLE)
50-0679
140 mm

Klammer-Anlegezange für Silberklammern 50-0631
Clip applying forceps for silver clips 50-0631
Pinza para colocar las grapas de plata 50-0631
Pince pose clips 50-0631
Pinza metti agrafes per agrafes in argento 50-0631

Schädelhalter
Cervical Traction Tongs
Pinzas de tracción craneal
Pinces de traction crânienne
Pinze per trazione craniale

CRUTCHFIELD
48-0518
ø 3,5 mm

Vorbohrer für CRUTCHFIELD-Schädelhalter

Drill point for CRUTCHFIELD cervical traction tongs

Perforador inicial para pinzas de tracción craneal CRUTCHFIELD

Alésoir pour étrier traction crânienne de CRUTCHFIELD

Alesatore per pinze di trazione craniale di CRUTCHFIELD

CRUTCHFIELD
48-0517
ø 5,0 mm

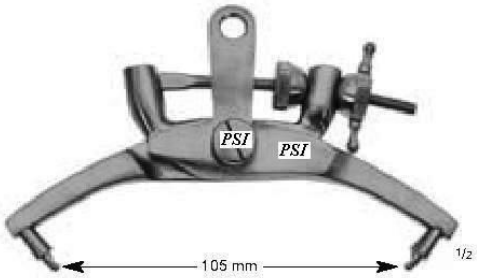
Vorbohrer für CRUTCHFIELD-Schädelhalter

Drill point for CRUTCHFIELD cervical traction tongs

Perforador inicial para pinzas de tracción craneal CRUTCHFIELD

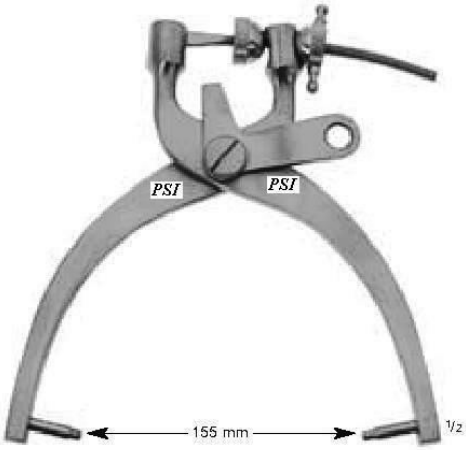
Alésoir pour étrier traction crânienne de CRUTCHFIELD

Alesatore per pinze di trazione craniale di CRUTCHFIELD




CRUTCHFIELD
52-0520

Schädelhalter, kleine Größe
Cervical traction tongs, small size
Pinza de tracción craneal, tamaño pequeño
Etrier traction crânienne, petit modèle
Pinza per trazione craniale, modello piccolo




CRUTCHFIELD
52-0525

Schädelhalter, mittlere Größe
Cervical traction tongs, medium size
Pinza de tracción craneal, tamaño mediano
Etrier traction crânienne, modèle moyen
Pinza per trazione craniale, modello medio

52-0540

Schädelhalter für Extension der Halswirbel, großes Modell, Dorne verstellbar, deshalb Vorbohren nicht erforderlich

Cervical traction tongs, for extension of the neck vertebrae, large size, pins adjustable hence no initial drilling

Pinza de tracción craneal para la extensión de las vertebras de cuello, tamaño grande, puntas ajustables suprimiendo perforaciones iniciales

Etrier traction crânienne, pour l'extension des vertèbres cervicales, grand modèle, mandrins réglabes supprimant la perforation initale

Pinza per trazione craniale e l'estensione delle vertebre del collo, modello grande, punte regolabili al fine di evitare la perforazione iniziale

Schädelzangen
Cranial Rongeur Forceps
Pinzas saca-bocado craneal
Rongeurs crâniens
Pinze per ossa del cranio

1/1

53-0976

1/1

53-0971

1/1

53-0977

1/2

DAHLGREN
53-0970
20 cm, 8"

Schädelstanze mit 2 Haken (53-0971)

Cranial rongeur with 2 hooks (53-0971)

Pinza saca-bocado craneal con 2 ganchos (53-0971)

Rongeur crânien avec 2 crochets (53-0971)

Pinza per cranio con 2 ganci (53-0971)

1/2

DE VILBISS
53-0975
20,5 cm, 8"

Schädelstanze mit je 1 Haken klein (53-0976) und groß (53-0977)

Cranial rongeur with 1 hook each small (53-0976) and large (53-0977)

Pinza saca-bocado craneal con 1 gancho pequeño (53-0976) y grande (53-0977)

Rongeur crânien avec 1 crochet petit (53-0976) et grand (53-0977)

Pinza per cranio con 1 gancio piccolo (53-0976) e 1 grande (53-0977)

1/2

CONE
50-0255
22,5 cm, 9"

Schädelstanzzange bis 12 mm Schädelstärke

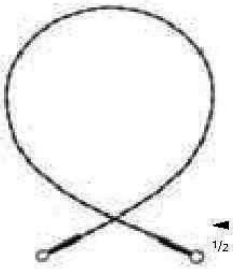
Cranial punch rongeur for maximum of 12 mm of bone

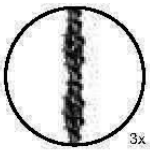
Pinza saca-bocados craneal para craneo hasta 12 mm

Pince crânienne jusqu'à 12 mm épaissens du crâne

Pinza per cranio, asta 12 mm.

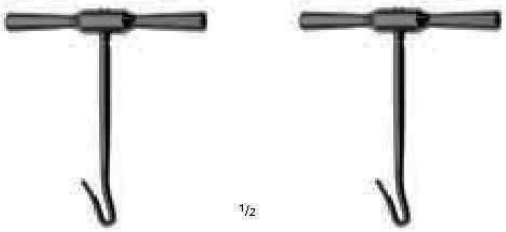
Instrumente zur Schädelöffnung
Instruments for Cranial Opening
Instrumentos para apertura craneana
Instruments pour l'ouverture du crâne
Strumenti per l'apertura del cranio




OLIVECRONA (GIGLI)
► 47-0360 25 cm, 10"
47-0365 30 cm, 12"
47-0367 40 cm, 16"
47-0370 50 cm, 20"
47-0371 60 cm, 24"
47-0375 70 cm, 28"

Drahtsägen
Wire saws
Sierras de hilo
Fils-scies
Fili per sega




GIGLI
47-0350
7 cm, 2 3/4"

Handgriffe für Drahtsägen, 1 Paar
Hook handles for wire saws, 1 pair
Mango con gancho, para sierras de hilo, 1 par
Poignées pour scies, 1 paire
Manico ad uncino per fili per sega, 1 paio

DE MARTEL (BAILEY)
50-0335
33 cm, 13"

Einführungsinstrument für Drahtsägen
Conductor for wire saws
Conductor para sierras de hilo
Conducteur pour scies
Guida per fili per sega

Instrumente für Neurochirurgie und Laminektomie
Instruments for Neurosurgery and Laminectomy
Instrumentos para neurocirurgia y laminectomia
Instruments pour neurochirurgie et laminectomie
Strumenti per neurochirurgia e laminectomia

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## Instrumente für Neurochirurgie und Laminektomie
## Instruments for Neurosurgery and Laminectomy
## Instrumentos para neurocirurgia y laminectomía
## Instruments pour neurochirurgie et laminectomie
## Strumenti per neurochirurgia e laminectomia

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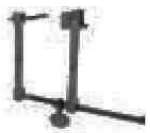

Instrumente für Neurochirurgie und Laminektomie
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Tumor- und Gewebefaßpinzetten, bajonettförmig ..... Seite 126 - 127
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Pinces en forme de baïonnette pour saisir tumeurs et tissus ..... Page 126 - 127
Pinze per afferare tessuti e tumori, a baionetta ..... Pagina 126 - 127

DURACUT® Nasenscheren mit Hartmetallschneiden
DURACUT® Nasal Scissors with tungsten carbide edges
DURACUT® Tijeras nasales con filos de carburo tungsteno
DURACUT® Ciseaux nasaux avec des lames en tungstène
DURACUT® Forbici nasali con lame in carburo di tungsteno

KNIGHT
05-1664
17,5 cm, 7"

HEYMANN
05-1666
18,5 cm, 7 1/4"

FOMON
05-1660
13,5 cm, 5 1/4"

COTTLE
05-1662
16 cm, 6 1/4"

Sensibilitätsinstrumente
Sensibility Instruments
Instrumentos para examinar la sensibilidad
Instruments pour mesurer la sensibilité
Strumenti per misurare la sensibilità

Stimmgabeln
Tuning Forks
Diapasónes
Diapasons
Diapason

WEBER
18-0134
9,5 cm, 3 3/4"

Ästhesiometer
Aesthesiometer
Estesiometro
Aesthésiomètre
Estensiometro

ALY
18-0132
17,5 cm, 7"

Algesimeter (Nadel und Pinsel)
Algesimeter (needle and brush)
Algesimetro (aguja y cepillo)
Algesimètre (aiguille et brosse)
Algesiometro (ago e pennello)

WARTENBERG
18-0130
19 cm, 7 1/2"

Algesimeter (Nervrädchen)
Algesimeter (pinwheel)
Algesimetro (rueda con espinas)
Algesimètre (roue roue aiguillée pour nerfs)
Algesiometro (rotella neurologica)

HARTMANN
65-0281 c 128
65-0282 c¹ 256
► 65-0273 c² 512
65-0274 c³ 1024

Stimmgabeln
Tuning forks
Diapasónes
Diapason
Diapasoni

65-0285
a¹ 440

Stimmgabel
Tuning fork
Diapasón
Diapason
Diapason

verschiebbar
bis h

variable up to h
(engl. b)

variable hasta h

variable jusqu'à h

variabile fino a h

LUCAE
65-0234
c 128

Stimmgabel für Neurologie
Tuning fork for neurology
Diapasón para neurología
Diapason pour neurologie
Diapason per neurologia

mit Dämpfer c 64
ohne Dämpfer c 128

with clamps c 64
without clamp c 128

con sordinas c 64
sin sordinas c 128

avec curseurs c 64
sans curseurs c 128

con cursori c 64
senza cursori c 128

RYDEL-SEIFFER
65-0230
c 64 / c 128

Stimmgabel für Neurologie
Tuning fork for neurology
Diapasón para neurología
Diapason pour neurologie
Diapason per neurologia

Perkussions- und Reflexhämmer
Percussion Hammers
Martillos de percusión y para reflejos
Marteaux à percussion et à réflexe
Martelli percussori

BUCK
18-0105
18 cm, 7"

Hammer für neurologische Untersuchungen, mit Pinsel und Nadel

Hammer for neurological examinations, with brush and needle

Martillo para exámenes neurológicos, con cepillo y aguja

Marteau avec brosse et aiguille pour examens neurologiques

Martello neurologico, con ago e pennello

RABINER
18-0100
23,5 cm, 9 1/4"

Hammer für neurologische Untersuchungen, mit Pinsel und Nadel

Hammer for neurological examinations, with brush and needle

Martillo para exámenes neurológicos, con cepillo y aguja

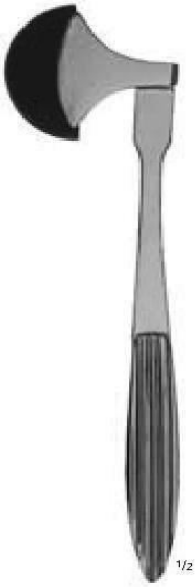
Marteau avec brosse et aiguille pour examens neurologiques

Martello neurologico, con ago e pennello

TROEMNER
18-0106
23 cm, 9"

Perkussions- und Reflexhämmer
Percussion Hammers
Martillos de percusión y para reflejos
Marteaux à percussion et à réflexe
Martelli percussori

TAYLOR
18-0110 18 cm, 7"
► 18-0115 20 cm, 8"



BERLINER
18-0117
20 cm, 8"

DEJERINE
18-0103
20 cm, 8"

DEJERINE
18-0104
21,5 cm, 8½"
mit Nadel
with needle
con aguja
avec aiguille
con ago

## Neurosurgery

### Retractors

**ZIA Ball Retractor**

PSI 557R
9¼"

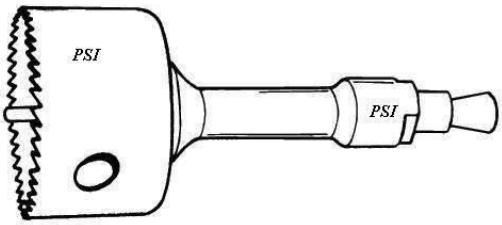
### Forceps

**SUNILA Watchmaker Forceps**

PSI 536R
7"

## Neurology

### Trephines

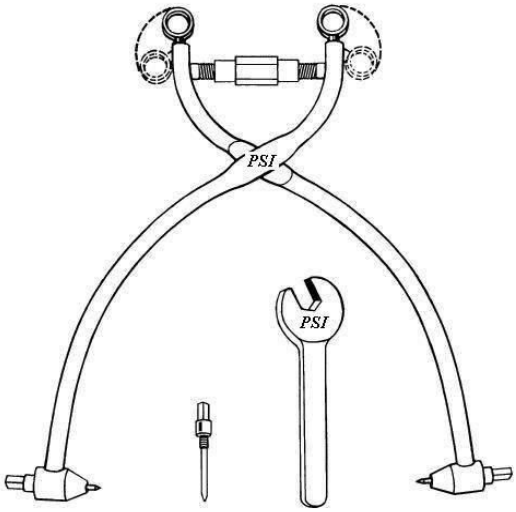



| | |
|---|---|
| 75010-38 | Scoville Trephine, with round and sharp pins, 38mm, standard brace fitting |
| 75010-44 | Scoville Trephine, with round and sharp pins, 44mm, standard brace fitting |
| 75010-51 | Scoville Trephine, with round and sharp pins, 51mm, standard brace fitting |

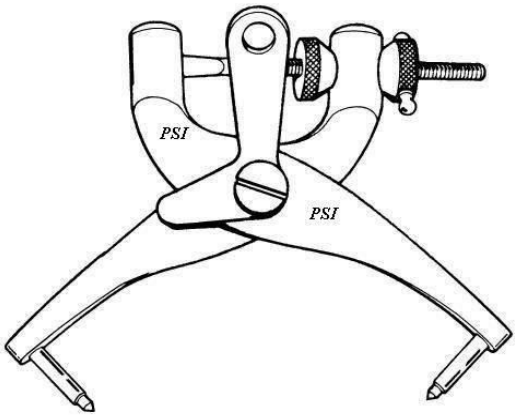
## Neurology

### Traction Tongs

**74400-90** Cones Traction Tong, complete with 2 pairs of pins and a spanner

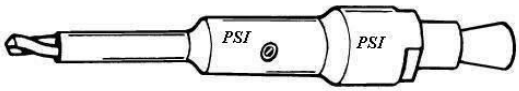



**74410-90** Crutchfield Traction Tong



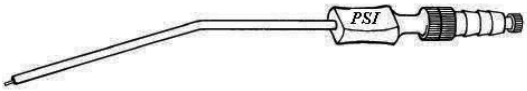

### Trephines

**75000-10** Scoville Centering Drill, guarded with adjustable depth, 3.3mm drill, standard brace fitting



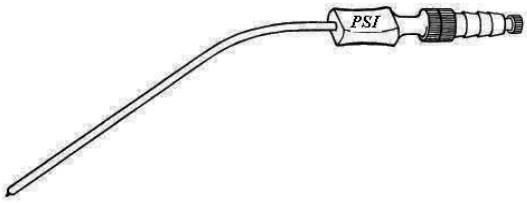
## Neurology

### Suction Tubes



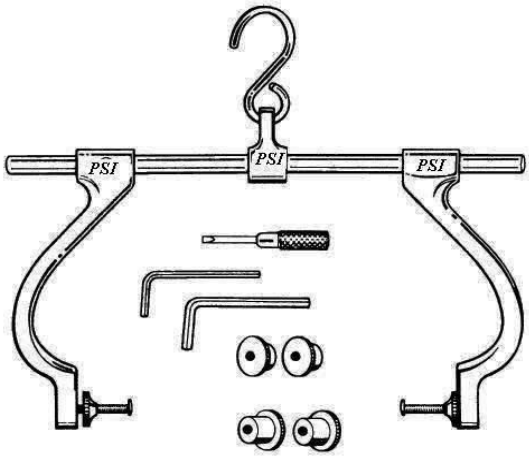

| | |
|---|---|
| 74000-07 | Adson Frazier Suction Tube, s/s, angled, 175mm, 7FG, 2.3mm |
| 74000-08 | Adson Frazier Suction Tube, s/s, angled, 175mm, 8FG, 2.7mm |
| 74000-09 | Adson Frazier Suction Tube, s/s, angled, 175mm, 9FG, 3.0mm |

| | |
|---|---|
| 74010-15 | Adson Suction Tube, s/s, slight curve, 155mm |




| | |
|---|---|
| 74020-05 | Frazier Suction Tube, s/s, angled, 180mm, 5FG, 1.7mm |
| 74020-06 | Frazier Suction Tube, s/s, angled, 180mm, 6FG, 2.0mm |
| 74020-07 | Frazier Suction Tube, s/s, angled, 180mm, 7FG, 2.3mm |
| 74020-08 | Frazier Suction Tube, s/s, angled, 180mm, 8FG, 2.7mm |
| 74020-09 | Frazier Suction Tube, s/s, angled, 180mm, 9FG, 3.0mm |
| 74020-10 | Frazier Suction Tube, s/s, angled, 180mm, 10FG, 3.3mm |
| 74020-11 | Frazier Suction Tube, s/s, angled, 180mm, 11FG, 3.7mm |
| 74020-12 | Frazier Suction Tube, s/s, angled, 180mm, 12FG, 4.0mm |

### Traction Apparatus

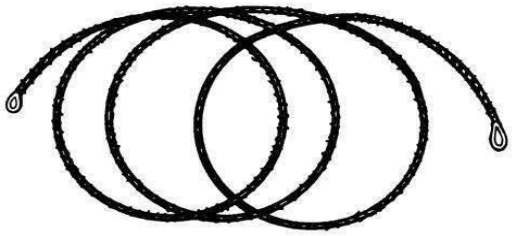



| | |
|---|---|
| 74300-90 | Blackburn Traction Apparatus, with washers, allen key and screwdrivers |

## Neurology

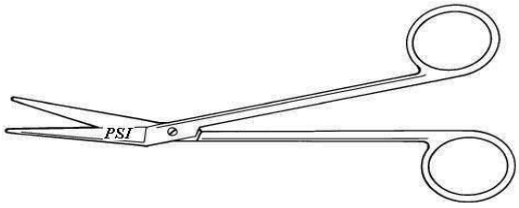
### Saws

**73720-30** Gigli Saw, 300mm
**73720-50** Gigli Saw, 500mm
**73720-70** Gigli Saw, 700mm

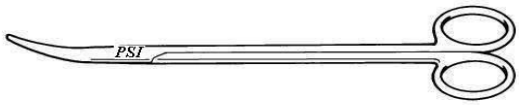


### Scissors

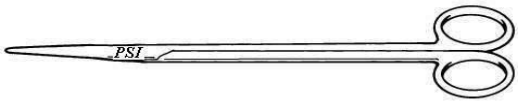
**73800-17** Cairns Scissor, angled on flat, 175mm




**73830-14** McKissocks Dural Scissor, curved, 145mm

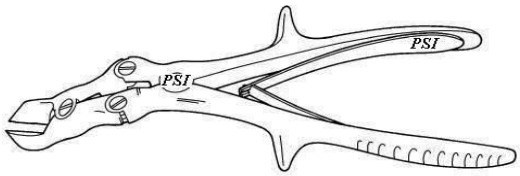



**73831-14** McKissocks Dural Scissor, straight, 145mm



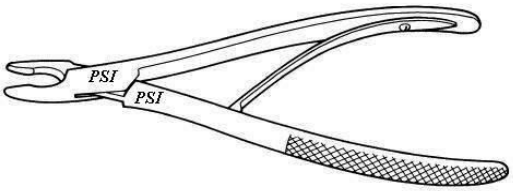

### Shears

**73900-26** Swedish Laminectomy Shear, compound action, 265mm

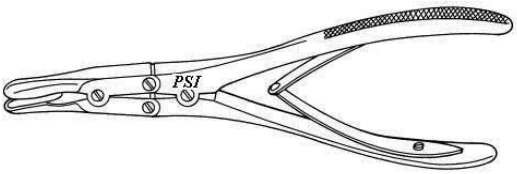


## Neurology

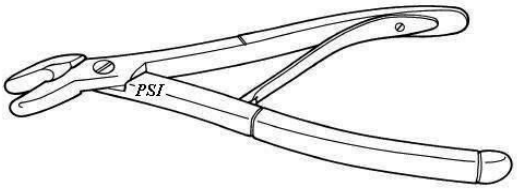
### Rongeurs




**73650-04** Pennybacker Rongeur, straight, fine jaw, 200mm, 4mm bite

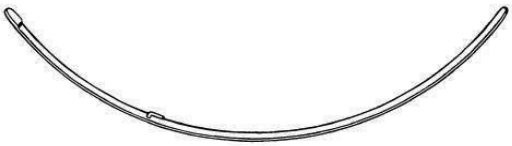



**73660-06** Ruskin Rongeur, curved on flat, compound action, 185mm, 6mm bite

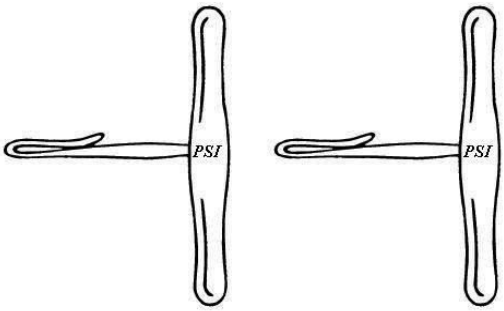



**73670-10** Trotter Rongeur, angled to side, screw joint, 200mm, 10mm bite

### Saws



**73700-30** De Martel Saw Guide, for gigli saw, 305mm

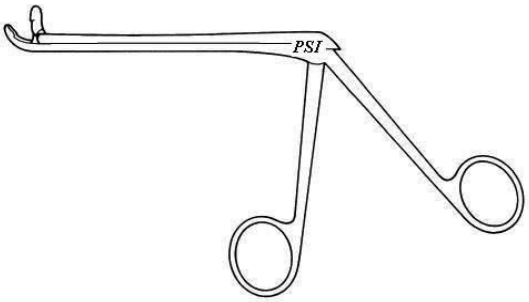



**73710-50** Gigli Saw Handle, pair, 50mm

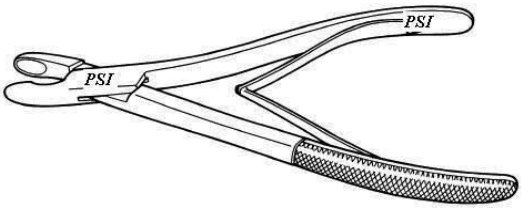
## Neurology

### Rongeurs

**73610-04** Northfield Rongeur, curved upward, 130mm, 4mm bite

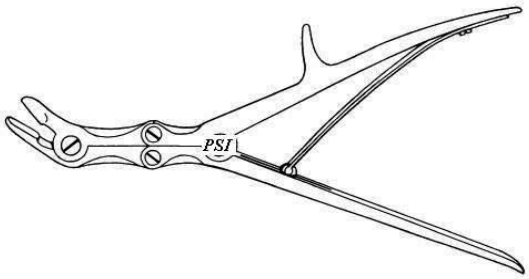



**73620-10** Northfield Rongeur, straight, 200mm, 10mm bite

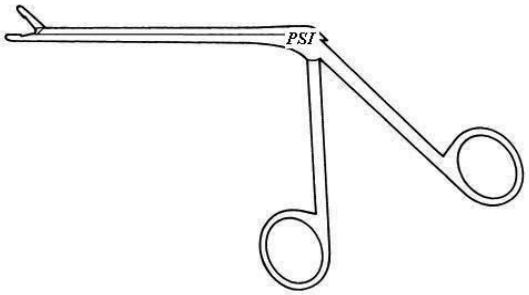



**73630-05** Olivecrona Rongeur, angled to side, 200mm, 5mm bite

**73630-06** Olivecrona Rongeur, angled to side, 230mm, 6mm bite

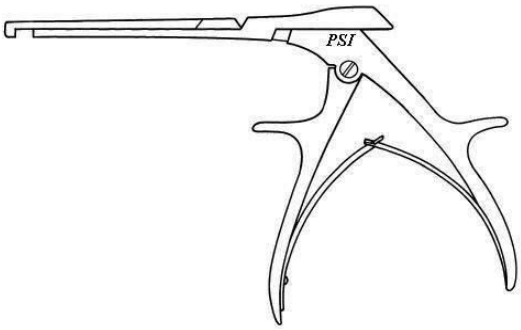



**73640-03** Pennybacker Rongeur, straight, 115mm, 3mm bite

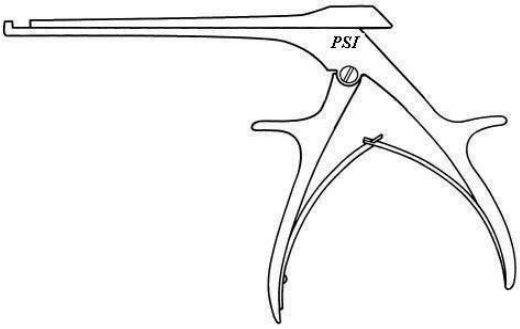


## Neurology

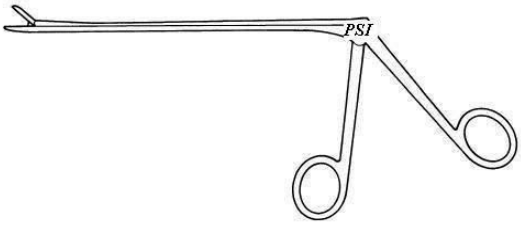
### Rongeurs




| | |
|---|---|
| 73510-03 | Kerrison Rongeur, 40 degree downward cutting, 180mm, 3mm bite |
| 73510-04 | Kerrison Rongeur, 40 degree downward cutting, 180mm, 4mm bite |
| 73510-05 | Kerrison Rongeur, 40 degree downward cutting, 180mm, 5mm bite |
| 73520-03 | Kerrison Rongeur, downward cutting, 150mm, 3mm bite |
| 73520-04 | Kerrison Rongeur, downward cutting, 150mm, 4mm bite |
| 73520-05 | Kerrison Rongeur, downward cutting, 150mm, 5mm bite |
| 73530-02 | Kerrison Rongeur, downward cutting, 180mm, 2mm bite |
| 73530-03 | Kerrison Rongeur, downward cutting, 180mm, 3mm bite |
| 73540-03 | Kerrison Rongeur, downward cutting, 200mm, 3mm bite |
| 73540-04 | Kerrison Rongeur, downward cutting, 200mm, 4mm bite |
| 73540-05 | Kerrison Rongeur, downward cutting, 200mm, 5mm bite |




| | |
|---|---|
| 73550-03 | Kerrison Rongeur, upward cutting, 150mm, 3mm bite |
| 73550-04 | Kerrison Rongeur, upward cutting, 150mm, 4mm bite |
| 73550-05 | Kerrison Rongeur, upward cutting, 150mm, 5mm bite |
| 73560-02 | Kerrison Rongeur, upward cutting, 180mm, 2mm bite |
| 73560-03 | Kerrison Rongeur, upward cutting, 180mm, 3mm bite |
| 73570-03 | Kerrison Rongeur, upward cutting, 200mm, 3mm bite |
| 73570-04 | Kerrison Rongeur, upward cutting, 200mm, 4mm bite |
| 73570-05 | Kerrison Rongeur, upward cutting, 200mm, 5mm bite |



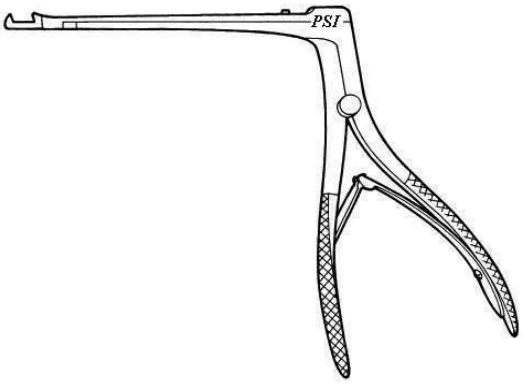

| | |
|---|---|
| 73580-03 | Love-Grunwald Rongeur, curved downward, 180mm, 3mm bite |
| 73590-03 | Love-Grunwald Rongeur, curved upward, 180mm, 3mm bite |
| 73600-03 | Love-Grunwald Rongeur, straight, 180mm, 3mm bite |

## Neurology

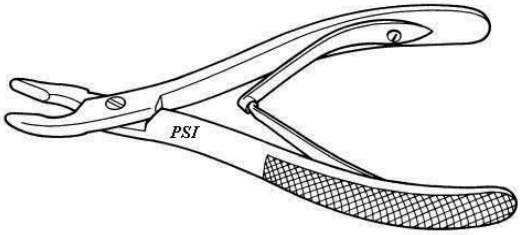
### Rongeurs

**73480-03** Falconer Rongeur, upward cutting, 140mm, 3mm bite

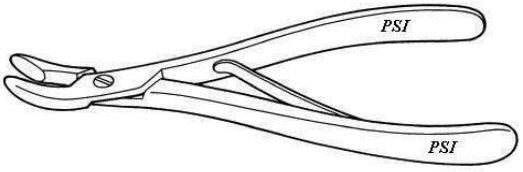
**73480-05** Falconer Rongeur, upward cutting, 140mm, 5mm bite




**73490-04** Glasgow Rongeur, curved on flat, screw joint, 145mm, 4mm bite

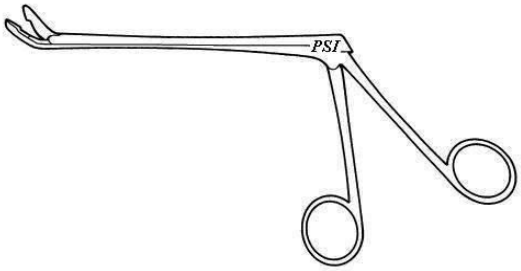



**73500-08** Jansen Rongeur, small curve, screw joint, 150mm, 8mm bite

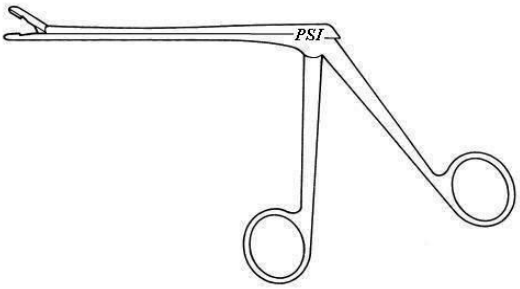


## Neurology

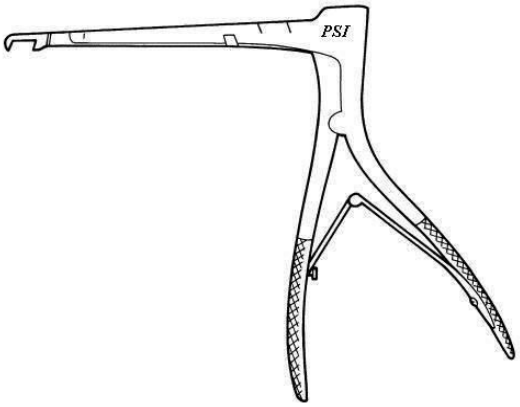
### Rongeurs




**73450-03** Cushing Rongeur, angled upward, 130mm, 3mm bite
**73450-04** Cushing Rongeur, angled upward, 130mm, 4mm bite
**73450-05** Cushing Rongeur, angled upward, 130mm, 5mm bite




**73460-04** Cushing Rongeur, straight, 130mm, 4mm bite
**73460-05** Cushing Rongeur, straight, 130mm, 5mm bite
**73460-07** Cushing Rongeur, straight, 130mm, 7mm bite

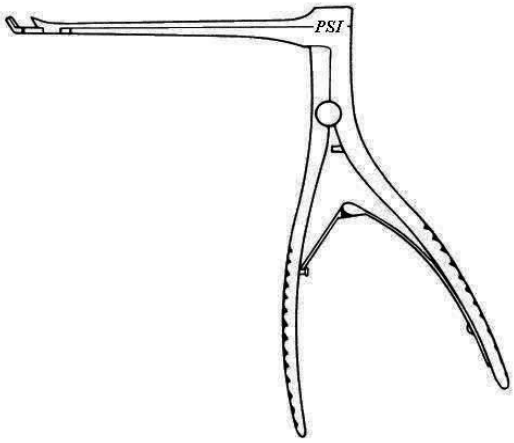



**73470-03** Falconer Rongeur, downward cutting, 140mm, 3mm bite
**73470-05** Falconer Rongeur, downward cutting, 140mm, 5mm bite

## Neurology

### Rongeurs

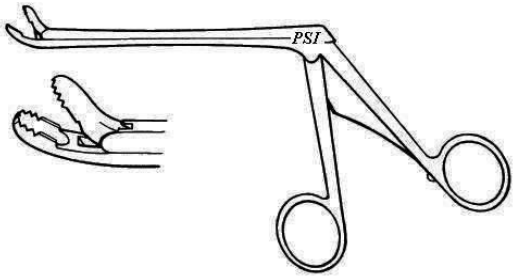
**73400-03** Bateman Rongeur, 40 degree upward cutting, 150mm, 3mm bite




**73420-04** Cushing Pituitary Rongeur, curved with teeth, 135mm, 4mm bite

**73420-05** Cushing Pituitary Rongeur, curved with teeth, 135mm, 5mm bite

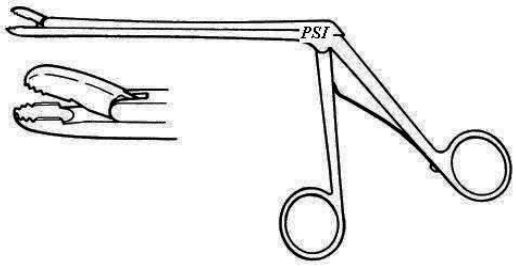
**73420-06** Cushing Pituitary Rongeur, curved with teeth, 135mm, 6mm bite




**73430-04** Cushing Pituitary Rongeur, straight with teeth, 135mm, 4mm bite

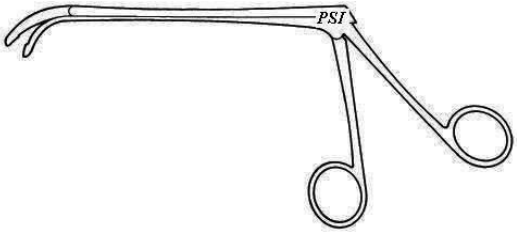
**73430-05** Cushing Pituitary Rongeur, straight with teeth, 135mm, 5mm bite

**73430-06** Cushing Pituitary Rongeur, straight with teeth, 135mm, 6mm bite



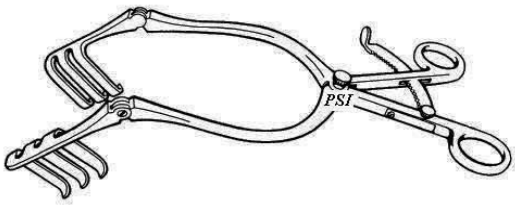

**73440-03** Cushing Rongeur, angled downward, 130mm, 3mm bite

**73440-04** Cushing Rongeur, angled downward, 130mm, 4mm bite

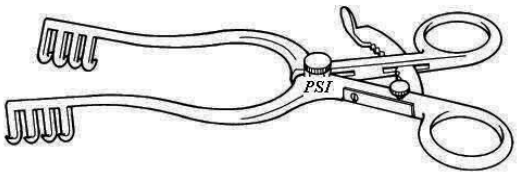


## Neurology

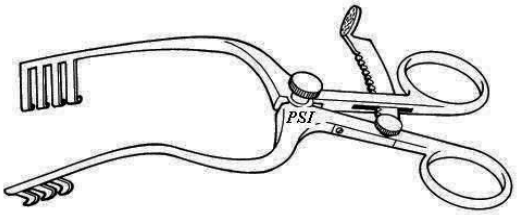
### Retractors - Self Retaining



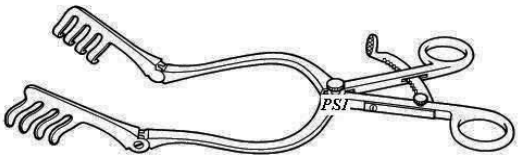

**73330-30** Harvey-Jackson Self Retaining Retractor, hinged arms, 305mm, 38 x 44mm blades




**73350-13** Henderson Self Retaining Retractor, blunt, 135mm




**73360-14** Jefferson Self Retaining Retractor, curved, blunt, 3/4 prong, 140mm




**73370-29** Mayo Adson Self Retaining Retractor, hinged arms, 290mm

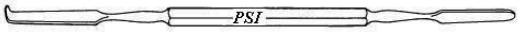
## Neurology

### Retractors

**73170-10** Love Nerve Root Retractor, angled
**73180-10** Love Nerve Root Retractor, right angled
**73190-10** Love Nerve Root Retractor, straight

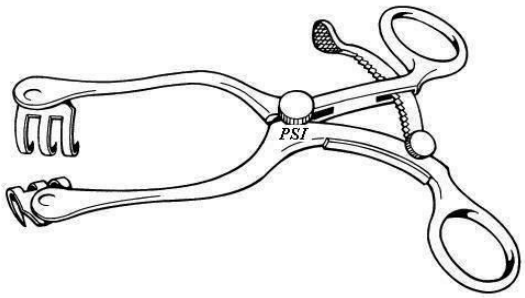
**73195-18** Mathieu Retractor, double ended, 180mm

**73200-21** O'Connell Nerve Root Retractor, double ended, 215mm

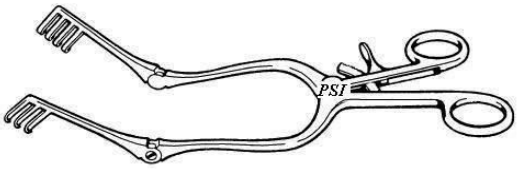



### Retractors - Self Retaining

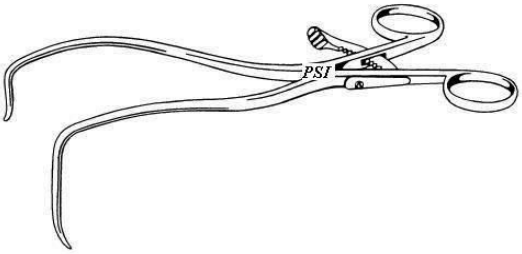
**73280-14** Cairns Scalp Self Retaining Retractor, curved, sharp swivel blades, 140mm




**73300-24** Cone Laminectomy Self Retaining Retractor, blunt, 3/4 prong, 255mm
**73310-24** Cone Laminectomy Self Retaining Retractor, sharp, 3/4 prong, 255mm

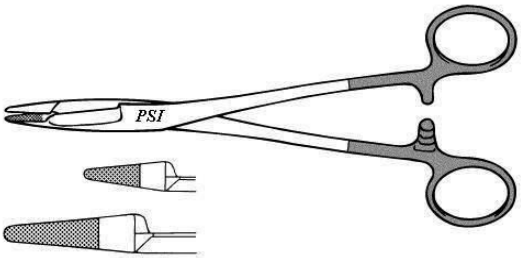



**73315-10** Hardman Laminectomy Self Retaining Retractor, short prong on left
**73315-20** Hardman Laminectomy Self Retaining Retractor, short prong on right
**73315-30** Hardman Laminectomy Self Retaining Retractor, equal long prongs



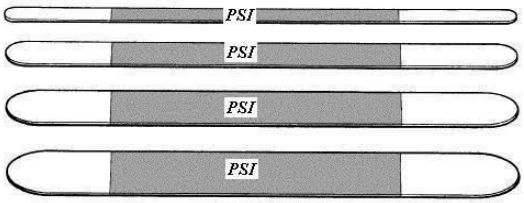
## Neurology

### Needleholders - Tungsten Carbide

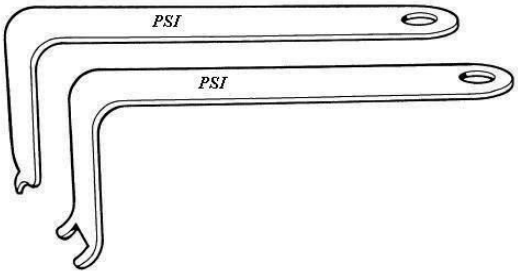



| | |
|---|---|
| 72600-14 | Olsen-Hegar Needleholder, tungsten carbide, 140mm |
| 72600-19 | Olsen-Hegar Needleholder, tungsten carbide, 190mm |

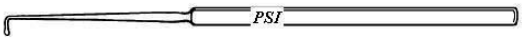
### Retractors




| | |
|---|---|
| 73100-06 | Cairns Strip Retractor, 200mm x 6mm |
| 73100-08 | Cairns Strip Retractor, 200mm x 8mm |
| 73100-09 | Cairns Strip Retractor, 200mm x 9mm |
| 73100-10 | Cairns Strip Retractor, 200mm x 10mm |
| 73100-11 | Cairns Strip Retractor, 200mm x 11mm |
| 73100-13 | Cairns Strip Retractor, 200mm x 13mm |
| 73100-16 | Cairns Strip Retractor, 200mm x 16mm |
| 73100-19 | Cairns Strip Retractor, 200mm x 19mm |
| 73100-22 | Cairns Strip Retractor, 200mm x 22mm |
| 73100-25 | Cairns Strip Retractor, 200mm x 25mm |




| | |
|---|---|
| 73110-10 | Charnley Laminectomy Retractor, sharp blade only, large, 185mm, 70mm deep |
| 73110-20 | Charnley Laminectomy Retractor, blunt blade only, large, 185mm, 70mm deep |
| 73110-30 | Charnley Laminectomy Retractor, sharp blade only, small, 185mm, 55mm deep |
| 73110-40 | Charnley Laminectomy Retractor, blunt blade only, small, 185mm, 55mm deep |
| 73110-85 | Charnley Laminectomy Retractor, set of 1 sharp and 1 blunt, small, 185mm, 55mm deep, with weight and chain |
| 73110-90 | Charnley Laminectomy Retractor, set of 1 sharp and 1 blunt, large, 185mm, 70mm deep, with weight and chain |
| 73110-95 | Charnley Laminectomy Retractor, set of 2 sharp and 2 blunt, small and large, with 2 weight and chain |



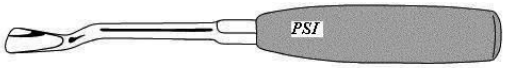

| | |
|---|---|
| 73120-19 | Cushing Retractor, 190mm |
| 73120-22 | Cushing Retractor, 225mm |
| 73120-28 | Cushing Retractor, 280mm |

| | |
|---|---|
| 73160-10 | Hibbs Retractor, 200mm, 10mm x 38mm blade |
| 73160-16 | Hibbs Retractor, 200mm, 16mm x 54mm blade |
| 73160-25 | Hibbs Retractor, 200mm, 25mm x 70mm blade |

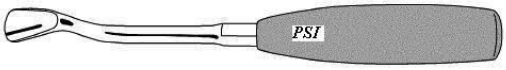
## Neurology

### Gouges

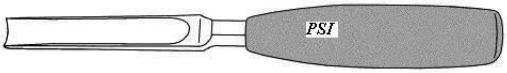
| | |
|---|---|
| 72200-06 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 6mm |
| 72200-08 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 8mm |
| 72200-10 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 10mm |
| 72200-11 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 11mm |
| 72200-13 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 13mm |
| 72200-16 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 16mm |
| 72200-19 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 19mm |
| 72200-25 | Capener Gouge, cranked, for lamina, tufnol handle, length 235mm, 25mm |




| | |
|---|---|
| 72210-06 | Capener Gouge, cranked, reverse blade, tufnol handle, length 235mm, 6mm |
| 72210-13 | Capener Gouge, cranked, reverse blade, tufnol handle, length 235mm, 13mm |
| 72210-19 | Capener Gouge, cranked, reverse blade, tufnol handle, length 235mm, 19mm |
| 72210-25 | Capener Gouge, cranked, reverse blade, tufnol handle, length 235mm, 25mm |
| 72210-32 | Capener Gouge, cranked, reverse blade, tufnol handle, length 235mm, 32mm |




| | |
|---|---|
| 72220-06 | Capener Gouge, straight, tufnol handle, 250mm, 6mm |
| 72220-08 | Capener Gouge, straight, tufnol handle, 250mm, 8mm |
| 72220-10 | Capener Gouge, straight, tufnol handle, 250mm, 10mm |
| 72220-11 | Capener Gouge, straight, tufnol handle, 250mm, 11mm |
| 72220-13 | Capener Gouge, straight, tufnol handle, 250mm, 13mm |
| 72220-15 | Capener Gouge, straight, tufnol handle, 250mm, 15mm |
| 72220-16 | Capener Gouge, straight, tufnol handle, 250mm, 16mm |
| 72220-19 | Capener Gouge, straight, tufnol handle, 250mm, 19mm |
| 72220-20 | Capener Gouge, straight, tufnol handle, 250mm, 20mm |
| 72220-25 | Capener Gouge, straight, tufnol handle, 250mm, 25mm |
| 72220-30 | Capener Gouge, straight, tufnol handle, 250mm, 30mm |

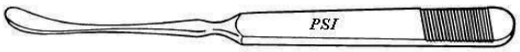



### Guides

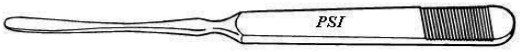
| | |
|---|---|
| 72300-12 | Cairns Dural Guide And Director, 125mm |

## Neurology

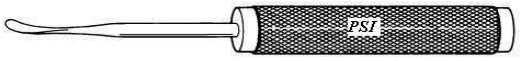
### Elevators



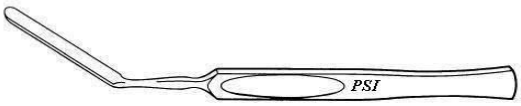

**72100-05** Adson Periosteal Elevator, curved, 165mm, 5mm wide
**72100-07** Adson Periosteal Elevator, curved, 165mm, 7mm wide



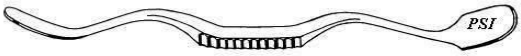

**72110-05** Adson Periosteal Elevator, straight, 165mm, 5mm wide
**72110-07** Adson Periosteal Elevator, straight, 165mm, 7mm wide



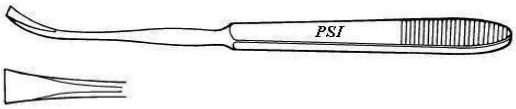

**72119-13** Cobb Elevator, 375mm overall length, 245mm handle, 13mm
**72119-16** Cobb Elevator, 375mm overall length, 245mm handle, 16mm
**72119-20** Cobb Elevator, 375mm overall length, 245mm handle, 20mm
**72120-10** Cobb Elevator, 275mm overall length, 145mm handle, 10mm
**72120-13** Cobb Elevator, 275mm overall length, 145mm handle, 13mm
**72120-19** Cobb Elevator, 275mm overall length, 145mm handle, 19mm




**72124-18** Horsley Dura Mater Elevator, single ended, 180mm




**72126-10** Horsley Dura Mater Elevator, double ended




**72130-04** Pennybacker Elevator, curved, sharp, 150mm, 4mm wide
**72130-06** Pennybacker Elevator, curved, sharp, 150mm, 6mm wide
**72130-08** Pennybacker Elevator, curved, sharp, 150mm, 8mm wide

## Neurology

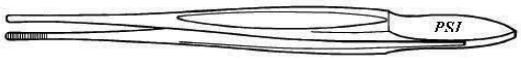
### Dissectors

**71710-22** Pennybacker Dissector, double ended, 225mm

**71720-17** Swedish Dissector, double ended, 175mm

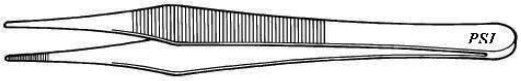
### Dressing Forceps

**71800-18** Cairns Dressing Forcep, fine, serrated jaws, 180mm




**71810-21** Cairns Dressing Forcep, medium, serrated jaws, 215mm

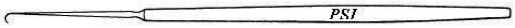
**71820-18** Jefferson Dressing Forcep, serrated jaws, 180mm



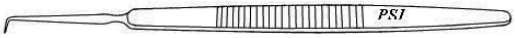

### Dural Hooks

**72000-19** Adson Dural Hook, rectangular, blunt, 190mm
**72010-19** Adson Dural Hook, rectangular, sharp, 190mm

**72020-12** Cairns Dural Hook, fine, sharp, 125mm

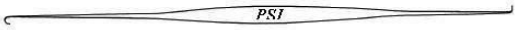



**72030-12** Cairns Dural Hook, sharp, 125mm



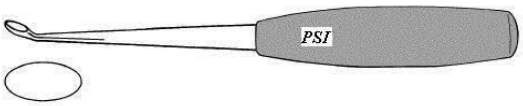

**72040-25** Nerve Dural Hook, 250mm

**72055-30** Smithwick Sympathectomy Hook, double ended, 305mm



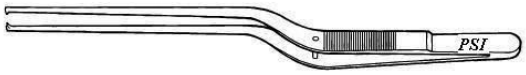
## Neurology

### Curettes

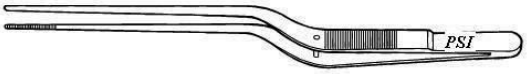



| | |
|---|---|
| 71501-20 | American Spinal Curette, angled, tufnol handle, 255mm, size 000, 2.0mm x 4mm |
| 71501-25 | American Spinal Curette, angled, tufnol handle, 255mm, size 00, 2.5mm x 4.5mm |
| 71501-27 | American Spinal Curette, angled, tufnol handle, 255mm, size 0, 2.75mm x 5mm |
| 71501-30 | American Spinal Curette, angled, tufnol handle, 255mm, size 1, 3.0mm x 5.5mm |
| 71501-32 | American Spinal Curette, angled, tufnol handle, 255mm, size 2, 3.25mm x 6mm |
| 71501-40 | American Spinal Curette, angled, tufnol handle, 255mm, size 3, 4.0mm x 7mm |
| 71501-60 | American Spinal Curette, angled, tufnol handle, 255mm, size 4, 6.0mm x 9.5mm |
| 71501-70 | American Spinal Curette, angled, tufnol handle, 255mm, size 5, 7.0mm x 14mm |
| 71501-90 | American Spinal Curette, angled, tufnol handle, 255mm, size 6, 9.0mm x 17mm |

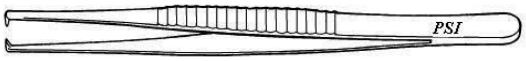
### Dissecting Forceps



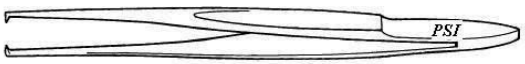

| | |
|---|---|
| 71600-19 | Adson Bayonet Dissecting Forcep, 1/2 teeth, 190mm |



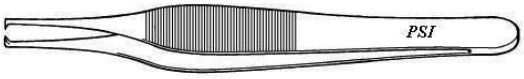

| | |
|---|---|
| 71610-19 | Adson Bayonet Dissecting Forcep, serrated, fine, 190mm |



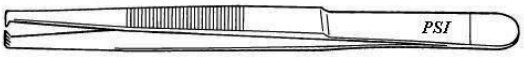

| | |
|---|---|
| 71630-16 | Cairns Dissecting Forcep, delicate, 2/3 teeth, 165mm |
| 71630-21 | Cairns Dissecting Forcep, delicate, 2/3 teeth, 215mm |




| | |
|---|---|
| 71640-17 | Dott Dissecting Forcep, fine, 1/2 teeth, 175mm |




| | |
|---|---|
| 71650-18 | Jefferson Dissecting Forcep, fine, 1/2 teeth, 175mm |

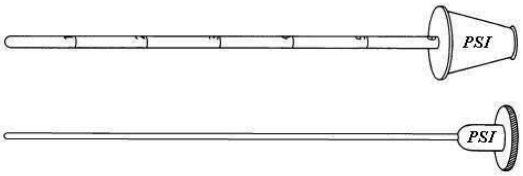



| | |
|---|---|
| 71660-16 | Pennybacker Dissecting Forcep, 3/4 teeth, 165mm |

# Neurology

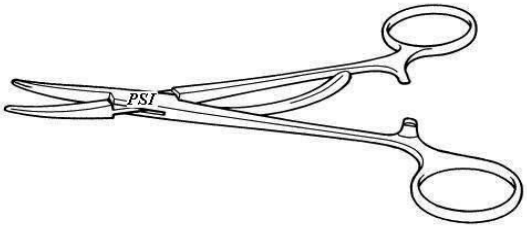
## Cannulae

| | |
|---|---|
| 71310-06 | Jefferson Ventricular Cannula, graduated in cms, luer fitting, 60mm |
| 71310-08 | Jefferson Ventricular Cannula, graduated in cms, luer fitting, 80mm |
| 71310-10 | Jefferson Ventricular Cannula, graduated in cms, luer fitting, 100mm |

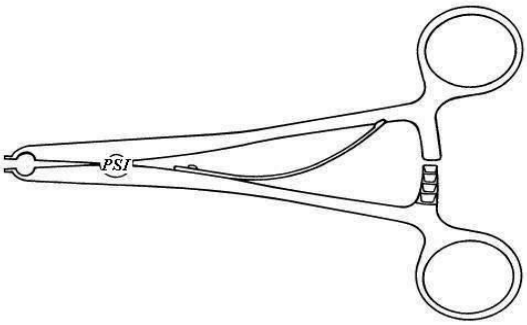



## Clip Forceps

| | |
|---|---|
| 71400-14 | McKenzie Clip Forcep, curved, applying, 140mm |
| 71400-17 | McKenzie Clip Forcep, curved, applying, 175mm |

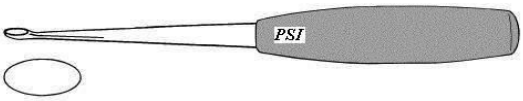



| | |
|---|---|
| 71430-16 | Raney Clip Forcep, applying, 160mm |




## Curettes

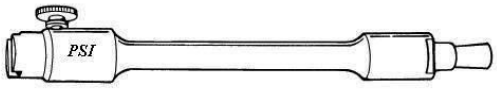
| | |
|---|---|
| 71500-20 | American Spinal Curette, straight, tufnol handle, 255mm, size 000, 2.0mm x 4mm |
| 71500-25 | American Spinal Curette, straight, tufnol handle, 255mm, size 00, 2.5mm x 4.5mm |
| 71500-27 | American Spinal Curette, straight, tufnol handle, 255mm, size 0, 2.75mm x 5mm |
| 71500-30 | American Spinal Curette, straight, tufnol handle, 255mm, size 1, 3.0mm x 5.5mm |
| 71500-32 | American Spinal Curette, straight, tufnol handle, 255mm, size 2, 3.25mm x 6mm |
| 71500-40 | American Spinal Curette, straight, tufnol handle, 255mm, size 3, 4.0mm x 7mm |
| 71500-60 | American Spinal Curette, straight, tufnol handle, 255mm, size 4, 6.0mm x 9.5mm |
| 71500-70 | American Spinal Curette, straight, tufnol handle, 255mm, size 5, 7.0mm x 14mm |
| 71500-90 | American Spinal Curette, straight, tufnol handle, 255mm, size 6, 9.0mm x 17mm |



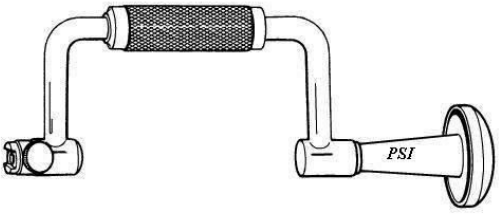
## Neurology

PSI

### Braces



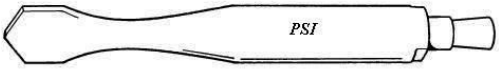

**71100-10** Hudson Brace, extension piece, 100mm



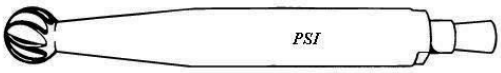

**71110-21** Hudson Brace, universal fitting, small size, 215mm
**71110-25** Hudson Brace, universal fitting, standard size, 255mm

### Burs

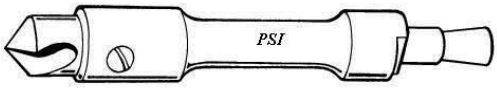
**71200-09** Hudson Conical Bur, 9mm
**71200-11** Hudson Conical Bur, 11mm
**71200-13** Hudson Conical Bur, 13mm
**71200-16** Hudson Conical Bur, 16mm
**71200-19** Hudson Conical Bur, 19mm




**71210-08** Hudson Perforator, 8mm
**71210-10** Hudson Perforator, 10mm
**71210-12** Hudson Perforator, 12mm
**71210-15** Hudson Perforator, 15mm

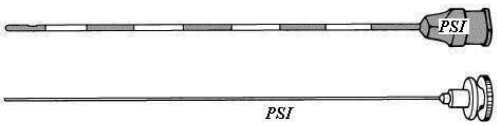



**71220-11** Hudson Spherical Bur, 11mm
**71220-13** Hudson Spherical Bur, 13mm
**71220-16** Hudson Spherical Bur, 16mm
**71220-19** Hudson Spherical Bur, 19mm
**71220-22** Hudson Spherical Bur, 22mm




**71230-12** Spiral Undercut Bur, 100mm, 12mm

### Cannulae

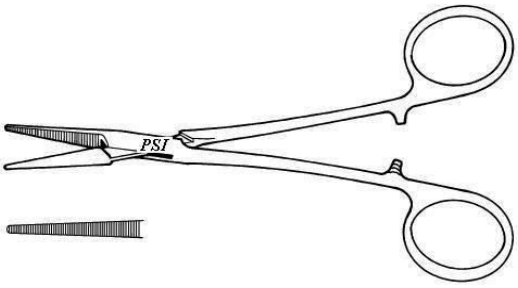



**71300-14** Cone Ventricular Cannula, graduated in cms, luer fitting, 2.03mm diameter (14 swg)
**71300-16** Cone Ventricular Cannula, graduated in cms, luer fitting, 1.63mm diameter (16 swg)
**71300-18** Cone Ventricular Cannula, graduated in cms, luer fitting, 1.22mm diameter (18 swg)

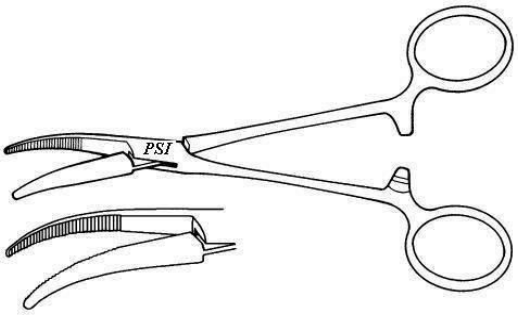
## Neurology

### Artery Forceps

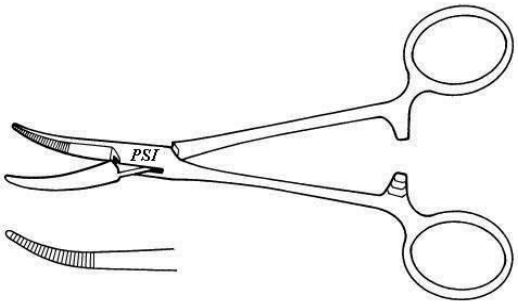
**71040-14** Crile Artery Forcep, straight, serrated jaws, 140mm
**71040-16** Crile Artery Forcep, straight, serrated jaws, 160mm
**71040-18** Crile Artery Forcep, straight, serrated jaws, 180mm



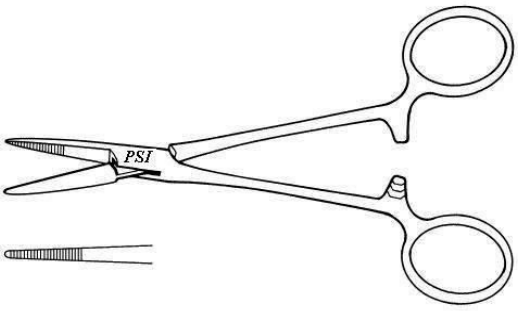

**71050-14** Cushing Artery Forcep, curved to side, fine half serrated jaws, 145mm




**71060-14** Cushing Artery Forcep, curved, fine half serrated jaws, 145mm

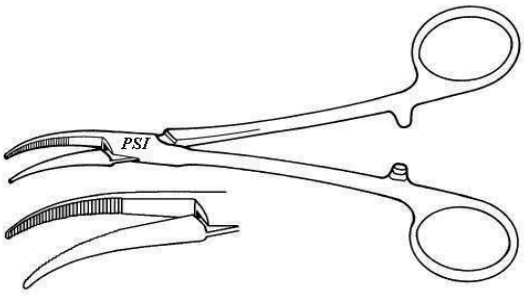



**71070-14** Cushing Artery Forcep, straight, fine half serrated jaws, 145mm

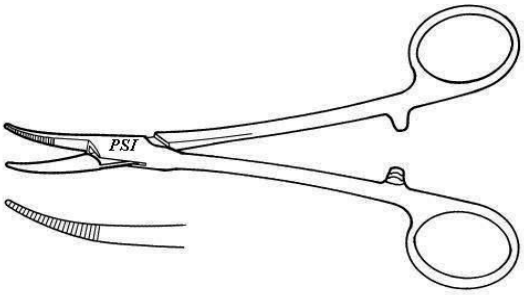


## Neurology

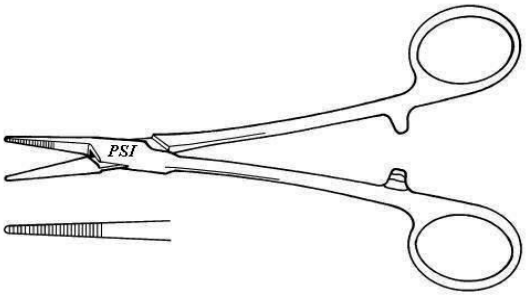
### Artery Forceps



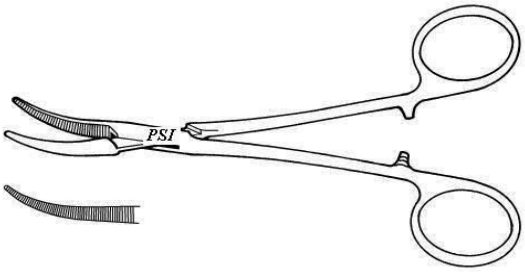

**71000-14** Cairns Artery Forcep, curved to side, half serrated jaws, 145mm




**71010-14** Cairns Artery Forcep, curved, half serrated jaws, 145mm




**71020-14** Cairns Artery Forcep, straight, half serrated jaws, 145mm

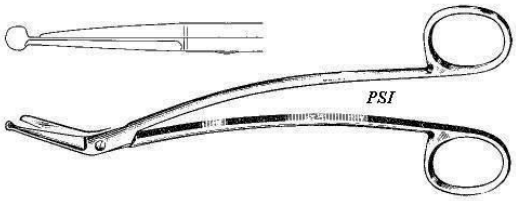



**71030-14** Crile Artery Forcep, curved, serrated jaws, 140mm
**71030-16** Crile Artery Forcep, curved, serrated jaws, 160mm
**71030-18** Crile Artery Forcep, curved, serrated jaws, 180mm

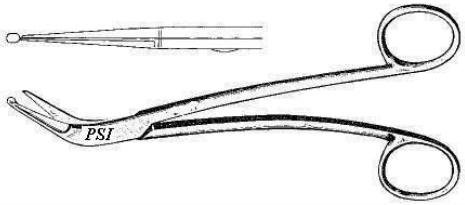
## SCISSORS

NEURO/SPINAL SURGERY

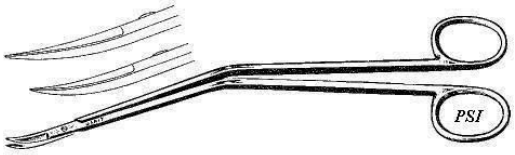
295-200 **FRAZIER** (Schmeden) Dura Scissors,
6½" (16.5cm)



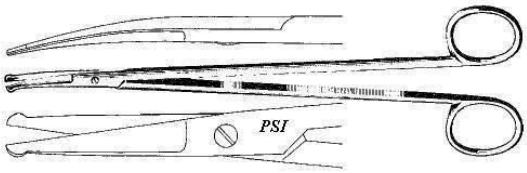

295-205 **TAYLOR** Dura Scissors,
5¾" (14.6cm), delicate




**DANDY** Trigeminal Scissors
295-210 6¾" (17.1cm)
295-211 7¾" (19.7cm)

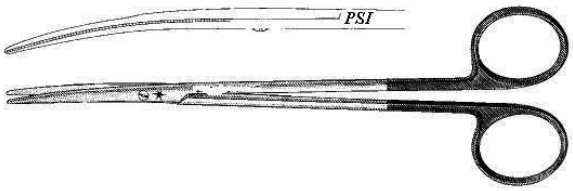



295-215 **STRULLY** Scissors,
8" (20.3cm)

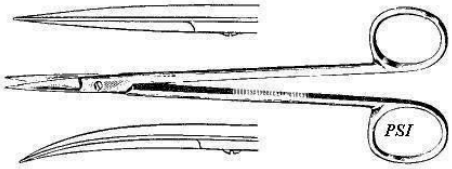



101-261 **METZENBAUM CARB-EDGE** Scissors,
7" (17.8cm), curved, delicate

102-310 **SUPERCUT METZENBAUM** Scissors,
7" (17.8cm), curved, delicate




**ADSON** Ganglion Scissors,
6¼" (15.9cm)
295-220 Straight
295-221 Curved



## CRANIAL DRILLS AND DRILL GUIDE



**CUSHING** Perforator Drills

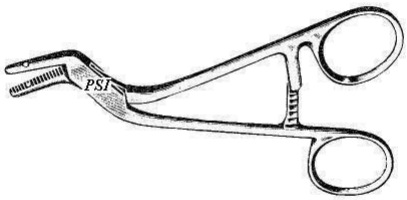
295-130 10mm diameter
295-131 13mm diameter
295-132 16mm diameter

295-140 **McKENZIE** Perforator Drill, 13mm diameter

295-145 **D'ERRICO** Perforator Drill, 16mm diameter

295-150 **McKENZIE** Enlarging Burr, 20mm diameter

295-175 **ADSON** Drill Guide, 6" (15.2cm), angled on side



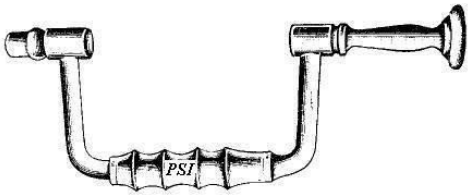
## CRANIAL DRILLS

NEURO/SPINAL SURGERY

295-110 **HUDSON** Cranial Dril Set

Includes:

295-111 **HUDSON** Brace




295-112 **HUDSON** Burr, 9mm diameter

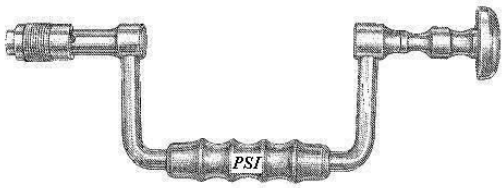
295-113 **HUDSON** Burr, 14mm diameter

295-114 **HUDSON** Burr, 16mm diameter

295-115 **HUDSON** Burr, 22mm diameter

295-116 **HUDSON** Cerebellar Extension

295-117 **HUDSON** Brace, improved model with precision snap lock

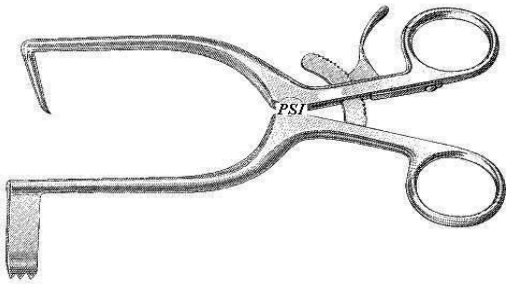


## RETRACTORS



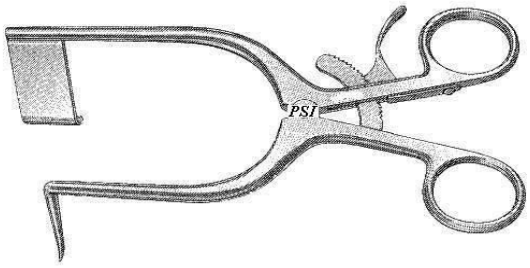
**WILLIAMS**-Type Discectomy Retractors, narrow blade, 6¾" (17.1 cm)

| | |
|---|---|
| **290-320** | 5cm x 1cm, left (illustrated) |
| **290-321** | 5cm x 1cm, right |
| **290-322** | 6cm x 1cm, left |
| **290-323** | 6cm x 1cm, right |
| **290-324** | 7cm x 1cm, left |
| **290-325** | 7cm x 1cm, right |



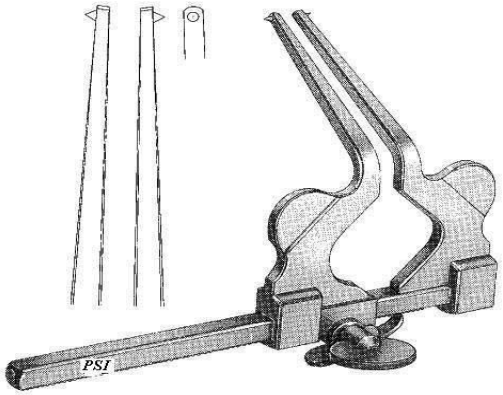

**WILLIAMS**-Type Discectomy Retractors, wide blade, 6¾" (17.1 cm)

| | |
|---|---|
| **290-330** | 5cm x 2cm, left |
| **290-331** | 5cm x 2cm, right (illustrated) |
| **290-332** | 6cm x 2cm, left |
| **290-333** | 6cm x 2cm, right |
| **290-334** | 7cm x 2cm, left |
| **290-335** | 7cm x 2cm, right |

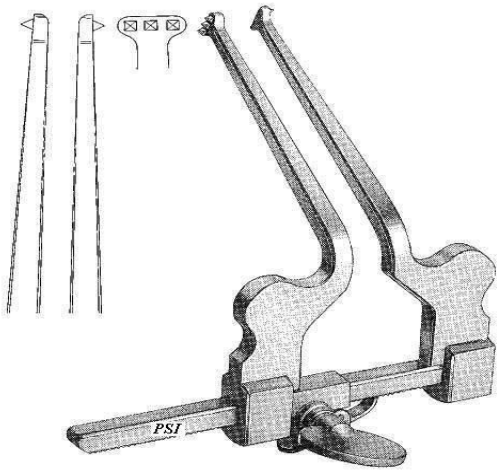


## RETRACTORS

NEURO/SPINAL SURGERY




**290-305** Vertebra Spreader, 2¾" (7cm) arm length, maximum opening 3⅛" (7.9cm)




**290-310** Lumbar Lamina Spreader, 3⅜" (8.6cm) arm length, maximum opening 2¾" (7cm)

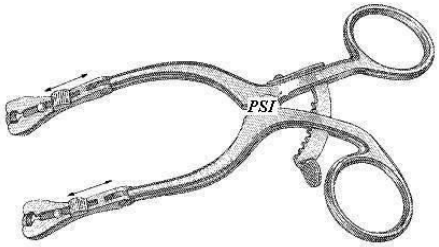
**290-315** Lumbar Interbody Spreader, 4" (10.2cm) arm length, maximum opening 2¾" (7cm)

## RETRACTORS



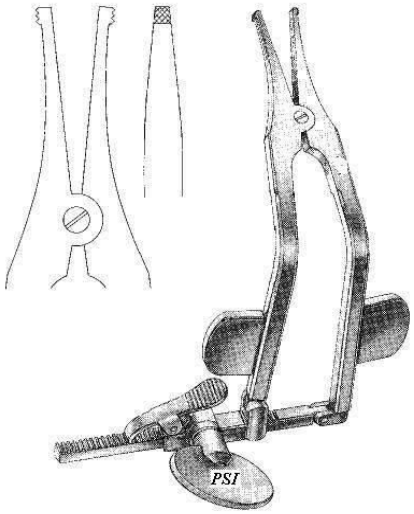
**290-280** Cervical Retractor Set, small, 6¾" (17.1cm) with 7 pairs of blunt blades

**290-281** Cervical Retractor Body, small, 6¾" ( 17.1cm)




Cervical Retractor Blades, blunt, 15mm wide

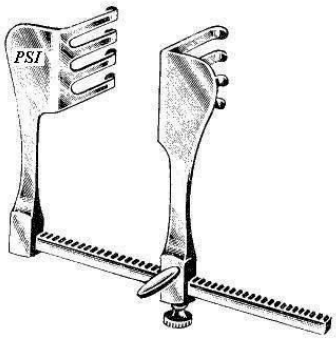
**290-282** 25mm deep blades
**290-283** 30mm deep blades
**290-284** 35mm deep blades
**290-285** 40mm deep blades
**290-286** 45mm deep blades
**290-287** 50mm deep blades
**290-288** 55mm deep blades




**290-300** Vertebra Spreader, 5" (12.7cm) total length, maximum opening 25/32" (2cm)

## RETRACTORS

NEURO/SPINAL SURGERY

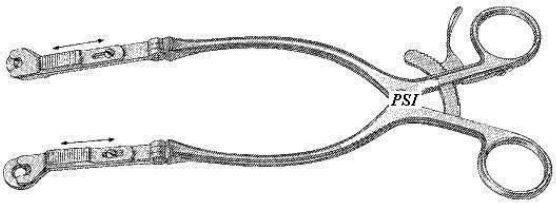



**BADGLEY** Laminectomy Retractor

**290-251** 6½" (16.5cm) spread

**290-260** Cervical Retractor Set, large, 10" (25.4cm) with 7 pairs of sharp blades

**290-261** Cervical Retractor Body, large, 10" (25.4cm)




Cervical Retractor Blades, 4 sharp prongs, 15mm wide

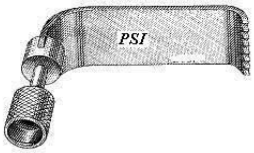
**290-262** 25mm deep blades
**290-263** 30mm deep blades
**290-264** 35mm deep blades
**290-265** 40mm deep blades
**290-266** 45mm deep blades
**290-267** 50mm deep blades
**290-268** 55mm deep blades

## RETRACTORS



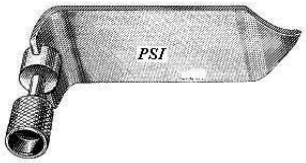
**MEYERDING** Blades

| | |
|---|---|
| 290-225 | 1" wide x 2¼" deep (2.5 x 5.7cm) |
| 290-226 | 1" wide x 3" deep (2.5 x 7.6cm) |
| 290-227 | 2" wide x 3½" deep (5.1 x 8.9cm) |




**HIBBS** Blades

| | |
|---|---|
| 290-230 | 1" wide x 2" deep (2.5 x 5.1cm) |
| 290-231 | 2" wide x 2" deep (5.1 x 5.1cm) |
| 290-232 | 1" wide x 2½" deep (2.5 x 6.4cm) |
| 290-233 | 1½" wide x 2½" deep (3.8 x 6.4cm) |
| 290-234 | 1" wide x 3" deep (2.5 x 7.6cm) |
| 290-235 | 1½" wide x 3" deep (3.8 x 7.6cm) |
| 290-236 | 2" wide x 3" deep (5.1 x 7.6cm) |
| 290-237 | 1" wide x 4" deep (2.5 x 10.2cm) |
| 290-238 | 2" wide x 4" deep (5.1 x 10.2cm) |




**TAYLOR** Spinal Blades

| | |
|---|---|
| 290-240 | 1¼" wide x 3" deep (3.2 x 7.6cm) |
| 290-241 | 1¼" wide x 4" deep (3.2 x 10.2cm) |

**TAYLOR** Laminectomy Blade, 3 prongs

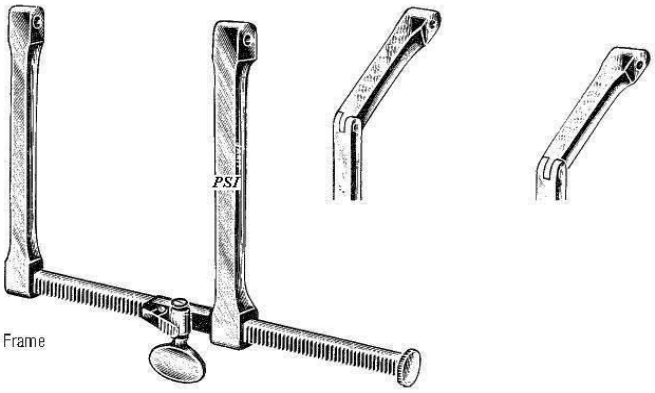
| | |
|---|---|
| 290-242 | 1½" wide x 1¾" deep (3.8 x 4.4cm) |

**TAYLOR** Laminectomy Blades, 4 prongs

| | |
|---|---|
| 290-244 | 2" wide x 1⅞" deep (5.1 x 4.8cm) |
| 290-245 | 2½" wide x 2½" deep (6.4 x 6.4cm) |
| 290-246 | 2¼" wide x 3⅛" deep (5.7 x 7.9cm) |

## RETRACTORS

NEURO/SPINAL SURGERY




**290-210** **SCOVILLE** Hemilaminectomy Retractor Frame
Spread: 6¾" (17.1cm)
Arm length: 5½" (14cm)

**290-220** **HAVERFIELD-SCOVILLE** Hemilaminectomy Retractor Frame
Spread: 7¼" (18.4cm)
Arm length: 5¾" (14.6cm), hinged

---

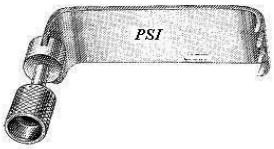
**SCOVILLE** Blades,
hook style

**290-211** 2" deep (5.1cm)
**290-212** 3" deep (7.6cm)
**290-213** 2" deep (5.1cm), with cross bar
**290-214** 2¾" deep (7cm), with cross bar

---

**SCOVILLE** Blades,
solid

**290-215** 1" wide x 2½" deep (2.5 x 6.4cm)
**290-216** 2" wide x 2½" deep (5.1 x 6.4cm)
**290-217** 1⅛" wide x 2⅝" deep (2.9 x 6.7cm)
**290-218** 1" wide x 3½" deep (2.5 x 8.9cm)

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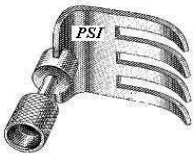
**SCOVILLE** Blades,
4 prongs

**290-221** 1½" wide x 1⅝" deep (3.8 x 4.1cm)
**290-222** 1⅞" wide x 2⅝" deep (4.8 x 6.7cm)

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## RETRACTORS

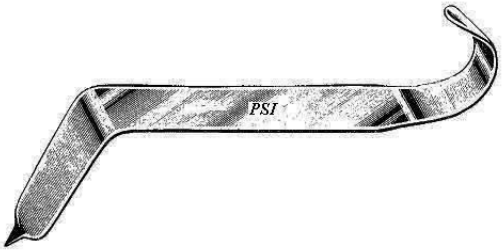


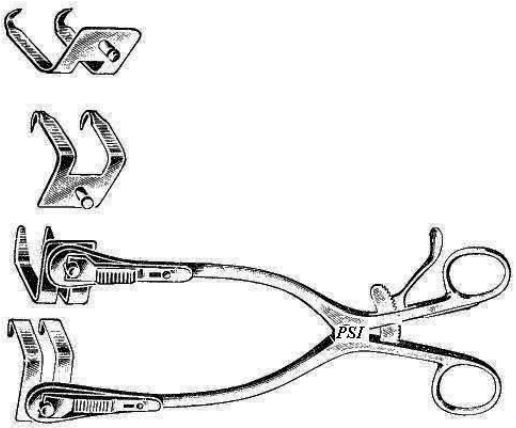
**JARIT** Blade Retractors.
3" (7.6cm) blade

**290-175** 18mm wide
**290-176** 20mm wide
**290-177** 23mm wide

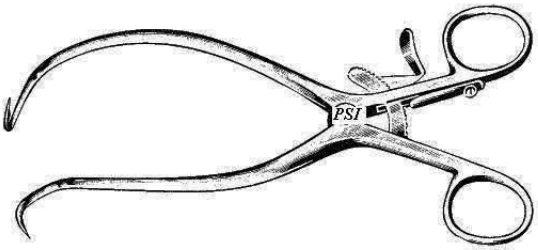
**TAYLOR** Spinal Retractors.
7½" (19.1cm)

**290-180** 1¼" x 3" blade (3.2 x 7.6cm)
**290-181** 1¼" x 4" blade (3.2 x 10.1cm)



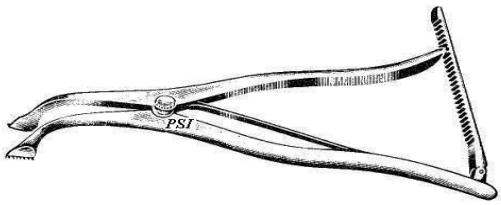

**290-190** **HOEN** Hemilaminectomy Retractor.
10¾" (27.3cm). 2 pairs of blades



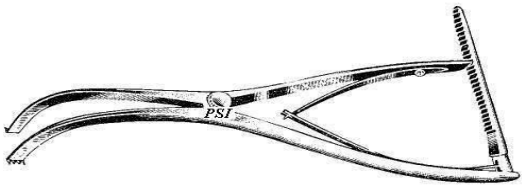

**290-200** **SELETZ-GELPI** Laminectomy Retractor.
6⅝" (16.8cm). arm length 2¼" (5.7cm) from bend

## RETRACTORS

NEURO/SPINAL SURGERY



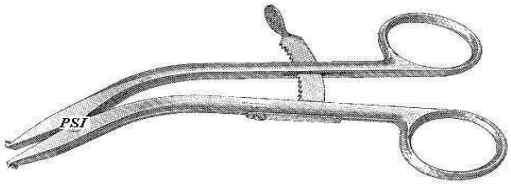

**290-145** Lamina Spreader, 10½" (26.7cm), concave blades




**INGE** Lamina Spreaders

**290-150** 9½" (24.1cm), adult size

**290-152** 6½" (16.5cm), child size



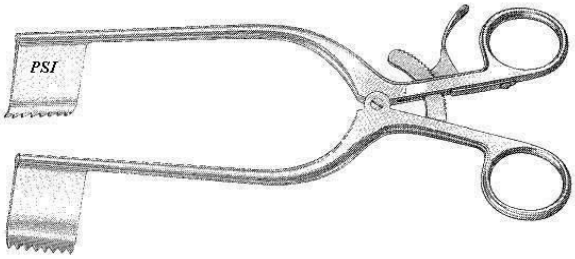

**290-166** Cervical Spreader, 6¼" (15.9cm), improved model

## RETRACTORS



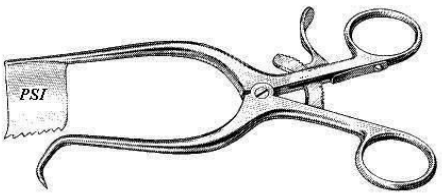
**MEYERDING** Laminectomy Retractors, 7½" (19.1cm)

| | |
|---|---|
| **205-240** | Blades 1" x 1¼" deep (2.5 x 3.2cm) |
| **205-242** | Blades 1" x 2⅛" deep (2.5 x 5.4cm) |
| **205-244** | Blades ¾" x 2⅜" deep (1.9 x 6cm) |
| **205-245** | Blades 1" x 2⅜" deep (2.5 x 6cm) |



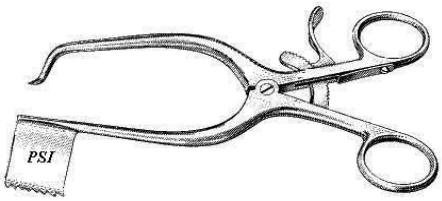

**MARKHAM-MEYERDING** Hemilaminectomy Retractor, 6¾" (17.1cm)

| | |
|---|---|
| **205-255** | Blade 1" x 2½" deep (2.5 x 6.4cm), blade on right side |




**MARKHAM-MEYERDING** Hemilaminectomy Retractor, 6¾" (17.1cm)

| | |
|---|---|
| **205-256** | Blade 1" x 2½" deep (2.5 x 6.4cm), blade on left side |



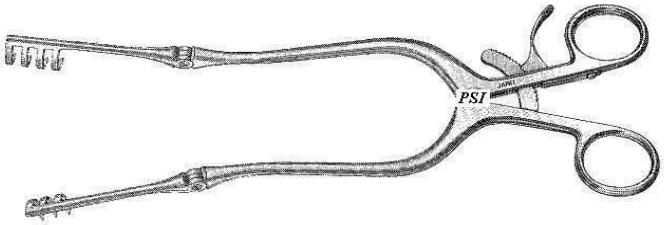
## RETRACTORS

NEURO/SPINAL SURGERY

**BECKMAN**
Laminectomy Retractors

**205-209** 9½" (24.1cm),
3 x 4 sharp prongs, 1⅛" deep (2.8cm)

**205-210** 12⅜" (31.4cm),
4 x 4 sharp prongs, ⅝" deep (1.6cm)



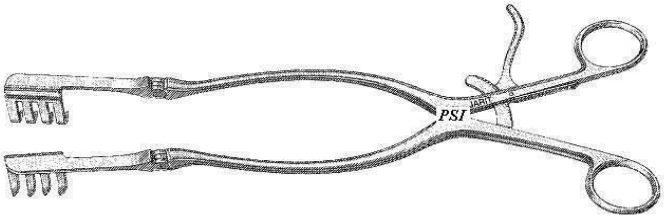

**BECKMAN-ADSON**
Laminectomy Retractors,
12" (30.5cm)

**205-220** 4 x 4 sharp prongs,
1" x 1" deep (2.5 x 2.5cm)

**205-221** 4 x 4 blunt prongs,
1" x 1" deep (2.5 x 2.5cm)

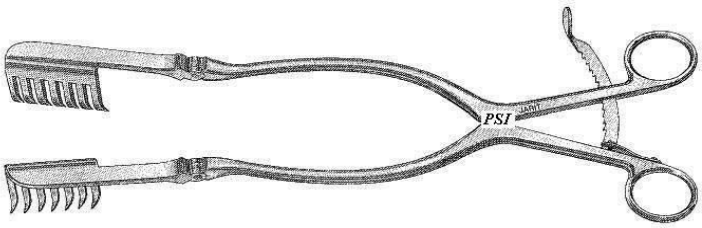
**205-225** 4 x 4 sharp prongs,
1" x 1¾" deep (2.5 x 4.4cm)

**205-226** 4 x 4 blunt prongs,
1" x 1¾" deep (2.5 x 4.4cm)




**BECKMAN-EATON**
Laminectomy Retractor,
12½" (31.8cm)

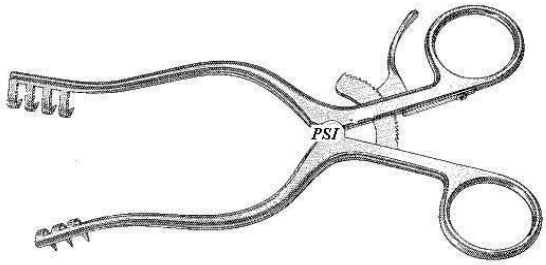
**205-230** 7 x 7 sharp prongs,
1¾" x 1⅞" deep (4.4 x 4.8cm)



## RETRACTORS

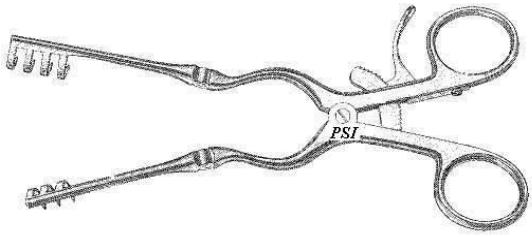
**WEITLANER** Retractors

| | |
|---|---|
| **205-140** | 4½" (11.4cm), 2 x 3 sharp prongs, 15mm deep |
| **205-141** | 4½" (11.4cm), 2 x 3 blunt prongs, 15mm deep |
| **205-150** | 5½" (14cm), 3 x 4 sharp prongs, 17mm deep |
| **205-151** | 5½" (14cm), 3 x 4 blunt prongs, 17mm deep |
| **205-155** | 6½" (16.5cm), 3 x 4 sharp prongs, 18mm deep |
| **205-156** | 6½" (16.5cm), 3 x 4 blunt prongs, 18mm deep |
| **205-160** | 8" (20.3cm), 3 x 4 sharp prongs, 20mm deep |
| **205-161** | 8" (20.3cm), 3 x 4 blunt prongs, 20mm deep |
| **205-165** | 9½" (24.1cm), 3 x 4 sharp prongs, 27mm deep |
| **205-166** | 9½" (24.1cm), 3 x 4 blunt prongs, 27mm deep |



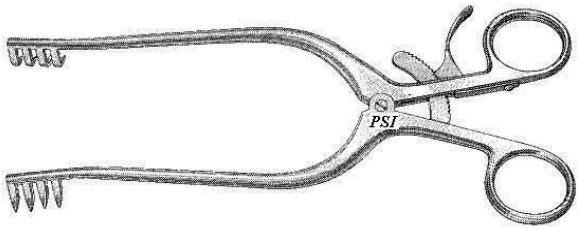

**WEITLANER** Retractors, hinged blades

| | |
|---|---|
| **205-175** | 5½" (14cm), 3 x 4 sharp prongs, 18mm deep |
| **205-176** | 5½" (14cm), 3 x 4 blunt prongs, 18mm deep |
| **205-180** | 6¼" (15.9cm), 3 x 4 sharp prongs, 18mm deep |
| **205-181** | 6¼" (15.9cm), 3 x 4 blunt prongs, 18mm deep |
| **205-190** | 8" (20.3cm), 3 x 4 sharp prongs, 20mm deep |



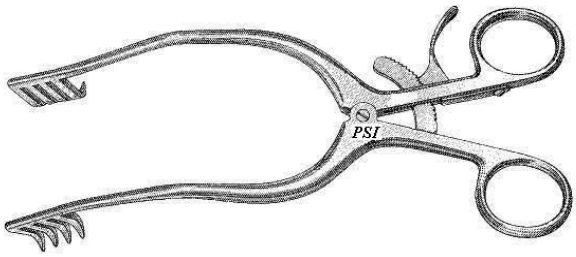

**ADSON** Cerebellar Retractors, 7½" (19.1cm)

| | |
|---|---|
| **205-200** | 4 x 4 sharp prongs, 22mm deep |
| **205-201** | 4 x 4 blunt prongs, 22mm deep |




**ADSON** Cerebellar Retractor, 7¼" (18.4cm), angular

| | |
|---|---|
| **205-205** | 4 x 4 sharp prongs, 22mm deep |
| **205-206** | 4 x 4 blunt prongs, 22mm deep |

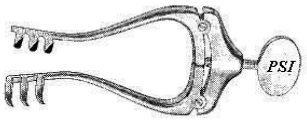


## RETRACTORS

NEURO/SPINAL SURGERY

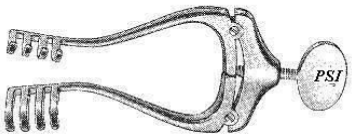
**JANSEN** Retractors,
4" (10.2cm)

**290-100** 3 x 3 sharp prongs, 9mm deep
**290-101** 3 x 3 blunt prongs, 9mm deep



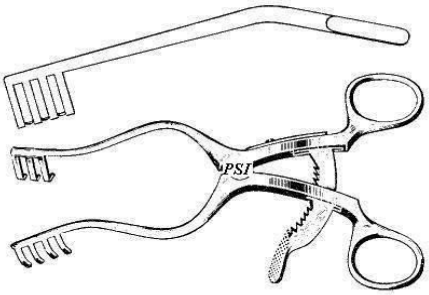

**JANSEN** Retractor,
4½" (11.4cm)

**290-102** 4 x 4 blunt prongs, 22mm deep



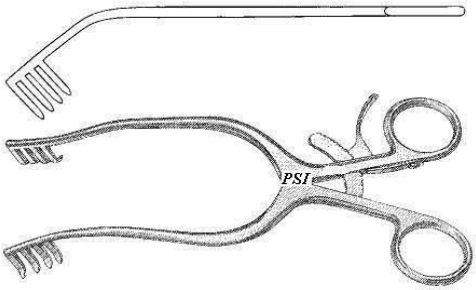

**SCALP** Retractor,
5½" (14cm), curved arms to fit contour of skull

**290-120** 3 x 4 blunt prongs, 15mm deep



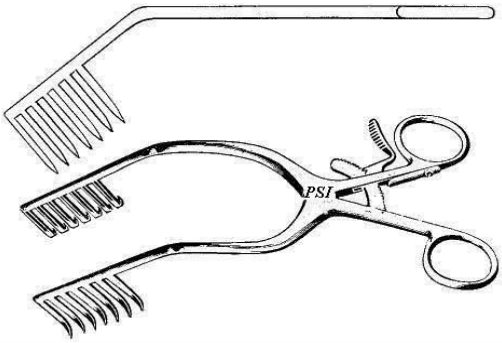

**ANDERSON-ADSON** Scalp Retractor,
7¾" (19.7cm), angled arms

**290-122** 4 x 4 sharp prongs, 16mm deep




**MISKIMON** Cerebellar Retractor,
7½" (19.1cm), angled arms

**290-125** 7 x 7 sharp prongs, 32mm deep



## BRAIN SPATULAS



**285-530** **CHILDRENS** Hospital Brain Spatula.
8½" (21.6cm), 14mm wide blade

**285-531** **MAYFIELD** Brain Spatula.
8" (20.3cm), 22mm wide blade

**SCOVILLE** Brain Spatulas.
8" (20.3cm), double-ended

**285-533** Small: 10 and 13mm wide blades
**285-534** Large: 16 and 19mm wide blades

**DAVIS** Brain Spatulas.
7" (17.8cm), malleable, German silver

**285-540** ¼" (6mm) wide
**285-541** ⅜" (9mm) wide
**285-542** ½" (13mm) wide
**285-543** ⅝" (16mm) wide
**285-544** ¾" (19mm) wide
**285-545** 1" (25mm) wide
**285-546** 1¼" (32mm) wide
**285-547** 1½" (38mm) wide

**CUSHING** Brain Spatulas.
double-ended

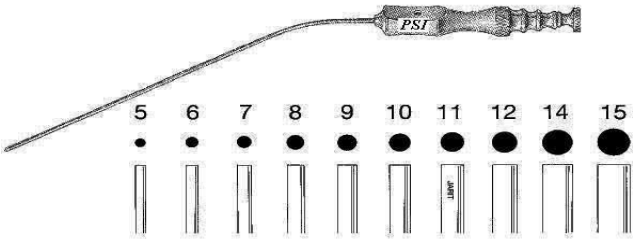
**285-550** 6¾" (17.1cm), 13 and 19mm wide blades
**285-551** 7¾" (19.7cm), 19 and 25mm wide blades

NEURO/SPINAL SURGERY

## BRAIN SUCTION TUBES

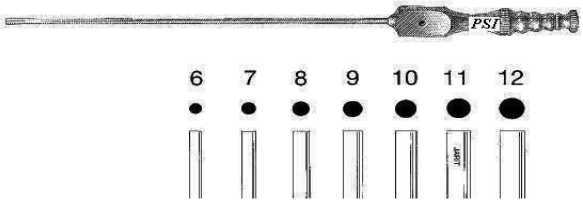
**FRAZIER** Suction Tubes,
7" (17.8cm), angular,
working length 4¼" (10.8cm)

| | | | |
|---|---|---|---|
| **285-449** | 5 French | **285-454** | 10 French |
| **285-450** | 6 French | **285-455** | 11 French |
| **285-451** | 7 French | **285-456** | 12 French |
| **285-452** | 8 French | **285-457** | 14 French |
| **285-453** | 9 French | **285-458** | 15 French |



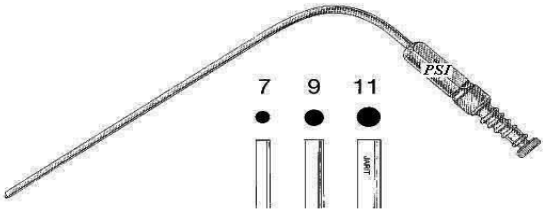

**FRAZIER** Suction Tubes,
straight

| 7" (17.8cm), working length 5¼" (13.3cm) | | 9" (22.9cm), working length 6¾" (17.1cm) | |
|---|---|---|---|
| **285-460** | 6 French | **285-470** | 6 French |
| **285-461** | 7 French | **285-471** | 7 French |
| **285-462** | 8 French | **285-472** | 8 French |
| **285-463** | 9 French | **285-473** | 9 French |
| **285-464** | 10 French | **285-474** | 10 French |
| **285-465** | 11 French | **285-475** | 11 French |
| **285-466** | 12 French | **285-476** | 12 French |



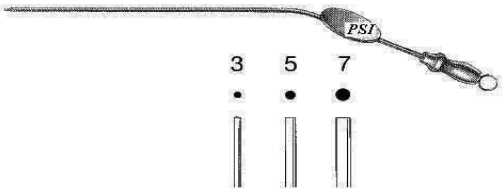

**FRAZIER** Suction Tubes,
7½" (19.1cm), angular,
working length 6" (15.2cm)

**285-477** 7 French
**285-478** 9 French
**285-479** 11 French



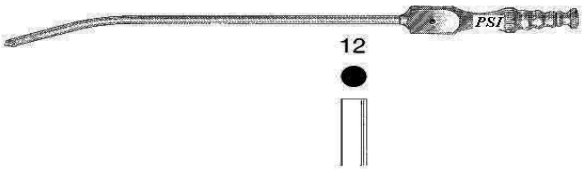

**BARON** Suction Tubes,
6½" (16.5cm), angular,
working length 4" (10.2cm)

**285-480** 3 French
**285-482** 5 French
**285-484** 7 French




**ADSON** Suction Tubes,
12 French

**285-490** 5" (12.7cm)
**285-492** 8" (20.3cm)

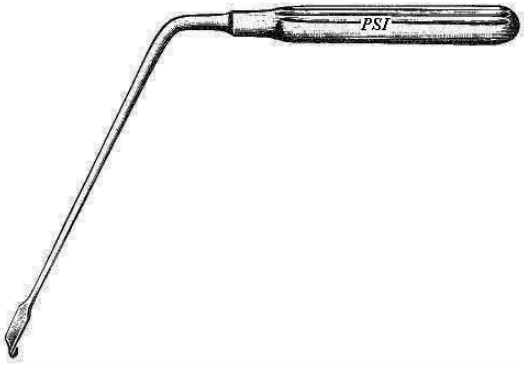


## NERVE RETRACTORS

**285-425** **D'ERRICO** Nerve Root Retractor, 9" (22.9cm), 6mm wide blade

**285-430** **SCOVILLE** Nerve Root Retractor, 9¼" (23.5cm), straight, 8mm wide blade

**285-431** **SCOVILLE** Nerve Root Retractor, 8½" (21.6cm), angular, 8mm wide blade




**285-433** **HOLSCHER** Nerve Root Retractor, 9½" (24.1cm), 6.4mm wide blade

**285-434** **HOLSCHER** Nerve Root Retractor, 9½" (24.1cm), 13mm wide blade

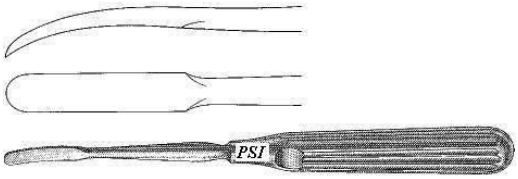
**285-435** **CAMPBELL** Nerve Root Retractor, 8⅞" (22.5cm), 10.5mm wide blade

PSI

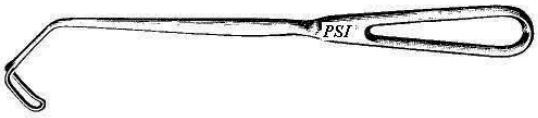
## NERVE AND VEIN RETRACTORS

NEURO/SPINAL SURGERY

285-398 **CUSHING** Periosteal Elevator,
8" (20.3cm), 6mm wide blade, sharp




285-405 **CUSHING** Decompression Retractor,
8½" (21.6cm), 10mm wide blade

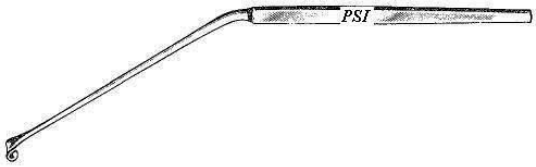



**SACHS** Vein Retractors,
8½" (21.6cm), angled

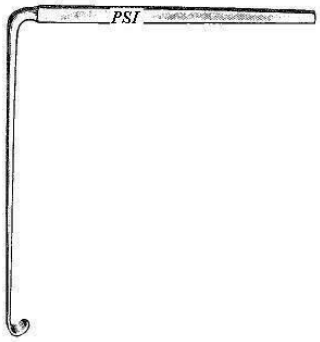
285-411 Smooth, 11mm wide blade
285-412 Toothed, 17mm wide blade

285-420 **LOVE** Nerve Root Retractor,
7¾" (19.7cm), straight,
7mm wide blade

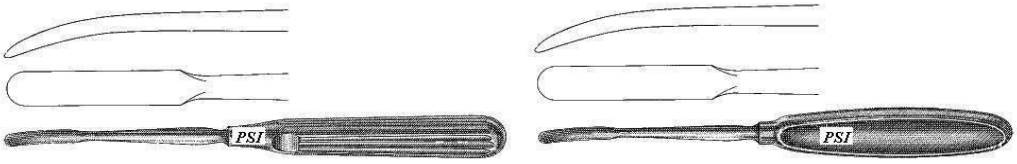
285-421 **LOVE** Nerve Root Retractor,
7¾" (19.7cm), 45° angle,
7mm wide blade




285-422 **LOVE** Nerve Root Retractor,
7¾" (19.7cm), 90° angle,
7mm wide blade

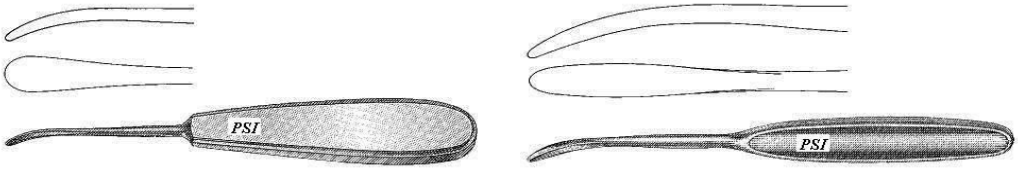


## ELEVATORS




**CUSHING** Staphylorrhaphy Elevators,
6mm wide blade

**285-385** 8⅛" (20.5cm), grooved handle
**285-386** 7½" (19cm), Gutsch handle




**CUSHING** "Little Joker" Periosteal Elevators,
6mm wide blade

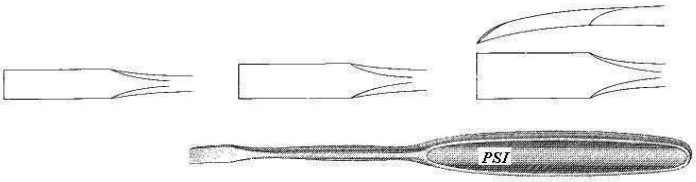
**285-388** 6" (15.2cm), hollow handle
**285-389** 7½" (19cm), solid handle

**285-390** **WOODSON** Elevator and Spatula,
10" (25.4cm)

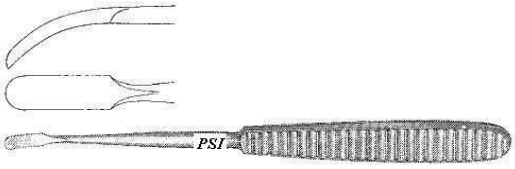
**285-391** **WOODSON** Dura Separator and Packer,
7" (17.8cm)

Periosteal Elevators,
8" (20.3cm), Gutsch handle

**285-394** 5mm wide blade, sharp
**285-395** 6.4mm wide blade, sharp
**285-396** 8mm wide blade, sharp



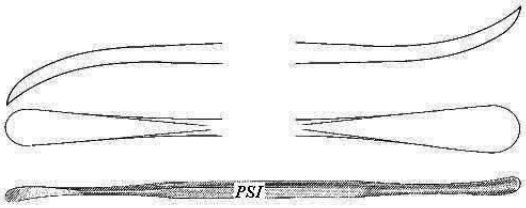

**285-397** Periosteal Elevator,
8" (20.3cm), 5mm wide blade, sharp



## ELEVATORS AND DISSECTORS

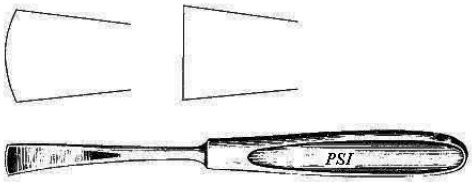
NEURO/SPINAL SURGERY

**285-370** **ALDERDYCE** Elevator and Dissector, 8½" (21.6cm)



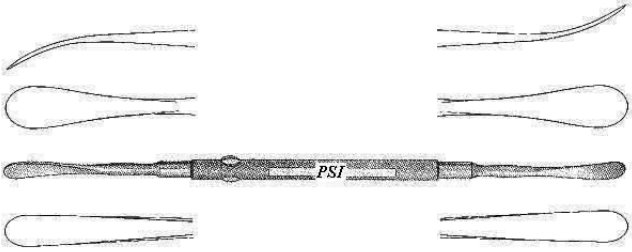

**CUSHING** Wide Sharp Elevators, 7½" (19.1cm)

**285-375** Convex edge
**285-376** Square edge



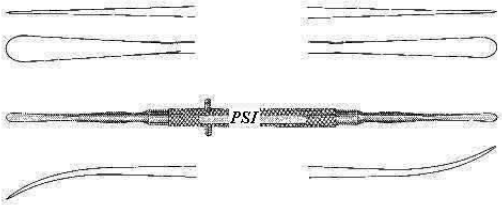

**FREER** Double-ended Elevators, 7¾" (19.7cm) sharp-blunt blades

**285-379** 6.5mm wide blades
**285-380** 4.5mm wide blades



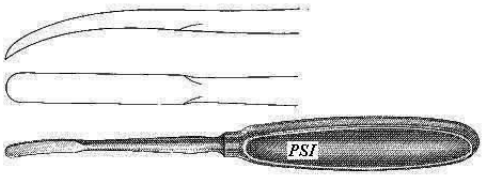

**PRESBYTERIAN** Hospital Double-ended Elevators, 7¼" (18.4cm), 3.3mm wide blades, blunt

**285-381** Straight
**285-382** Curved




**285-383** **CRILE** Ganglion Knife and Dissector, 8½" (21.6cm), double-ended

**285-384** **CUSHING** Periosteal Elevator, 7⅝" (19.4cm), 5mm wide blade, sharp



## ELEVATORS AND DISSECTORS



**HOEN** Periosteal Elevators

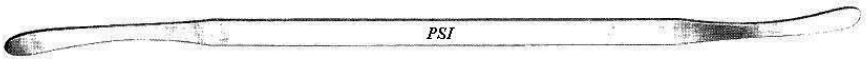
**285-360** 7¼" (18.4cm), 7mm wide blade
**285-361** 7½" (19.1cm), 15mm wide blade
**285-362** 7½" (19.1cm), 20mm wide blade

**285-365** **PENFIELD** Dissector
No. 1: 7" (17.8cm),
broad curved dissector,
sharp round spoon

**285-366** **PENFIELD** Dissector
No. 2: 7¼" (18.4cm),
slightly curved dissector,
wax packer

**285-367** **PENFIELD** Dissector
No. 3: 7¼" (18.4cm),
full curved dissector,
wax packer

**285-368** **PENFIELD** Dissector
No. 4: 8" (20.3cm),
slightly curved dissector, light

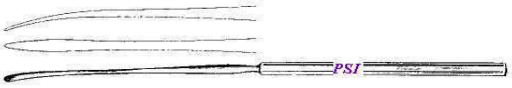



**285-369** **PENFIELD** Dissector
No. 5: 11½" (29.2cm),
slightly curved dissector,
double ended, blunt

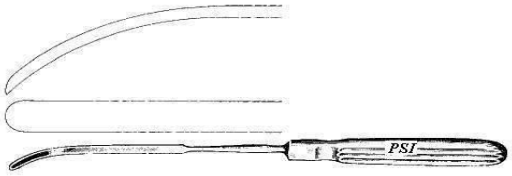
## ELEVATORS, DISSECTORS AND SEPARATORS

NEURO/SPINAL SURGERY

**285-340** **SACHS** Nerve Separator.
7¾" (19.7cm)




**285-342** **SACHS** Dural Separator.
8¾" (22.2cm)

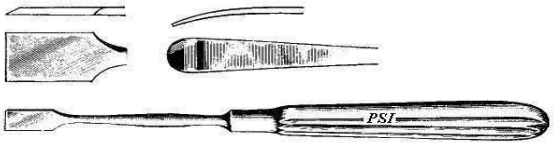


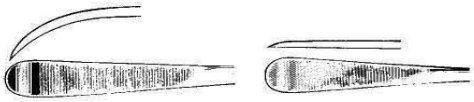

**JARIT** Periosteal Elevators.
6½" (16.5cm), curved blade 5mm wide

**285-345** Blunt
**285-346** Semi-sharp

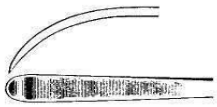
**ADSON** Periosteal Elevators.
6¾" (17.1cm)

**285-350** Straight, chisel edge
**285-351** Curved, blunt
**285-352** Curved, semi-sharp
**285-353** Straight, semi-sharp

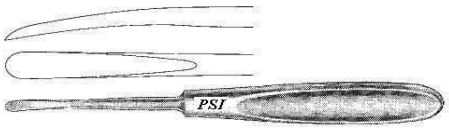


**285-355** **LOVE-ADSON** Periosteal Elevator.
6½" (16.5cm), curved, semi-sharp



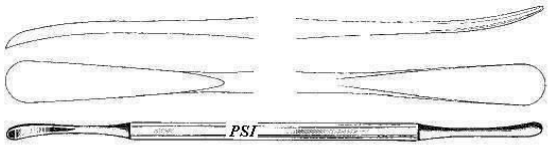
**285-357** **OLDBERG** Dissector.
7" (17.8cm)



## DURA HOOKS, DISSECTORS AND SEPARATORS

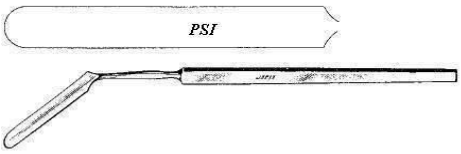
**285-315** **SMITHWICK** Sympathectomy Hook and Dissector, 12¼" (31.1cm)

**285-318** **DISSECTOR,** 8¾" (22.2cm), sharp end, blunt blades 6mm wide




**285-320** **FRAZIER** Dura Separator, 6½" (16.5cm)

**285-325** **HORSLEY** Dura Separator, 7¼" (18.4cm)




**285-327** **DORSEY** Dura Separator, 6" (15.2cm), grooved blade

**HOEN** Dura Separators, 6" (15.2cm)

**285-330** 45° angle
**285-331** 90° angle

PSI

## NERVE AND DURA HOOKS

NEURO/SPINAL SURGERY

**285-225** **ADSON** Dura Hook,
8" (20.3cm), sharp

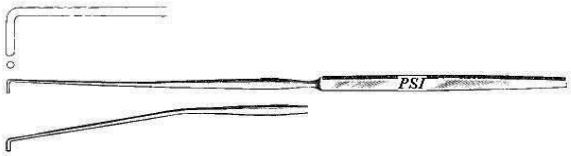
**285-227** **ADSON** Dura Hook,
8" (20.3cm), blunt

**285-230** **DANDY** Nerve Hook,
9" (22.9cm), blunt

**285-233** **CUSHING** Gasserian Ganglion Hook,
9" (22.9cm), blunt

**HOEN** Nerve Hooks,
9" (22.9cm), blunt

**285-235** Straight
**285-236** Angled




**285-240** **STRULLY** Dura Twist Hook,
6¼" (15.9cm)

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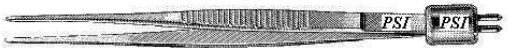
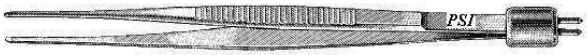
## BIPOLAR COAGULATION FORCEPS

NEURO/SPINAL SURGERY

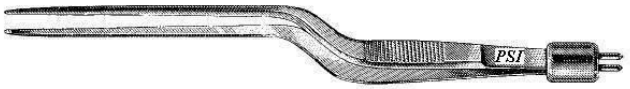
**285-185** **SEMKEN** Bipolar Forceps, 6" (15.2cm), 1.8mm tip, straight, insulated



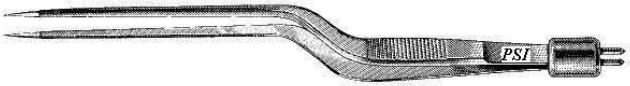

**285-186** **CUSHING** Bipolar Forceps, 7¼" (18.4cm), 1.5mm tip, straight, insulated




**285-187** **CUSHING** Bipolar Forceps, 7¼" (18.4cm), 2.2mm tip, bayonet shaped, insulated



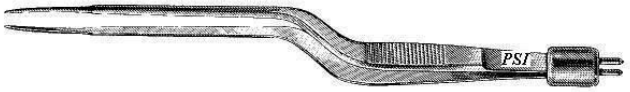

**285-188** **CUSHING** Bipolar Forceps, 7¼" (18.4cm), 0.8mm micro-tip, bayonet shaped, insulated




**285-189** **JACOBSON** Bipolar Forceps, 6¼" (15.9cm), 0.8mm micro-tip, bayonet shaped, insulated

**285-190** **GERALD** Bipolar Forceps, 7¼" (18.4cm), 1mm fine tip, straight, insulated

**285-191** **GERALD** Bipolar Forceps, 7¼" (18.4cm), 0.8mm fine tip, bayonet shaped, insulated




**285-192** **CUSHING** Bipolar Forceps, 6" (15.2cm), 1.3mm tip, bayonet shaped, insulated

**285-193** **JEWELER**-Type Forceps, 4" (10.2cm), 0.5mm fine tip, insulated

***IMPORTANT:*** *When disconnecting electrosurgical cables from the generator or instrument, always grasp the cables by the connector only. Never pull the cable by the cord. Do not use instruments or cables if the insulation is not fully intact.*

**285-199** **BIPOLAR** Cable

All Forceps listed above are available without insulation

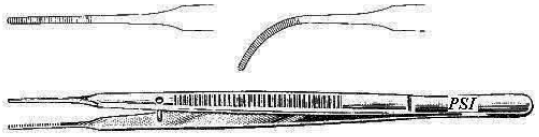
PSI

## DRESSING, TISSUE AND HYPOPHYSEAL FORCEPS



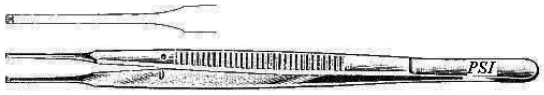
**GERALD** Dressing Forceps, narrow tips, serrated

| | |
|---|---|
| 285-120 | 7" (17.8cm), straight |
| 285-121 | 7" (17.8cm), curved |
| 285-122 | 7½" (19cm), bayonet |
| 285-128 | 9¾" (23.5cm), straight |



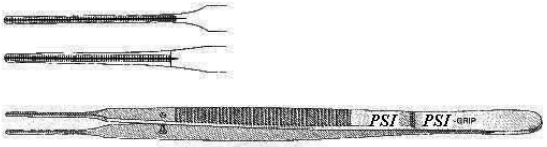

**GERALD** Tissue Forceps, narrow tips, 1 x 2 teeth

| | |
|---|---|
| 285-125 | 7" (17.8cm), straight |
| 285-127 | 7½" (19cm), bayonet |
| 285-129 | 9¾" (23.5cm), straight |

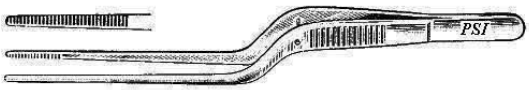



**GERALD** Tissue Forceps, CARDIO-GRIP serrations, narrow tips

| | |
|---|---|
| 285-126 | 7" (17.8cm) |
| 285-130 | 9½" (24.1cm) |

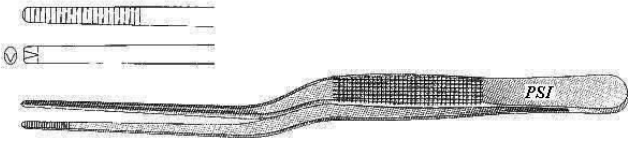



285-140 **ADSON** Dressing Forceps, 7¾" (19.7cm), bayonet



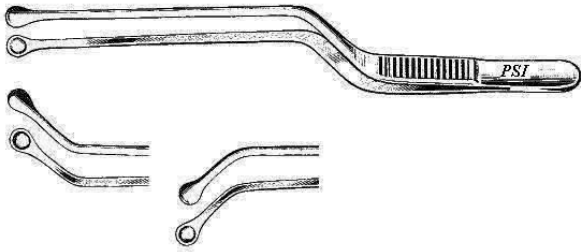

**D'ERRICO** Dressing Forceps, 8¾" (22.2cm), bayonet

| | |
|---|---|
| 285-147 | Serrated |
| 285-148 | 1 x 2 teeth |




**ADSON** Hypophyseal Forceps, 9" (22.9cm), 6mm round cup

| | |
|---|---|
| 285-170 | Straight |
| 285-171 | Curved up |
| 285-172 | Curved down |



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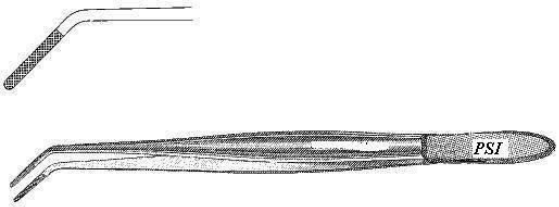
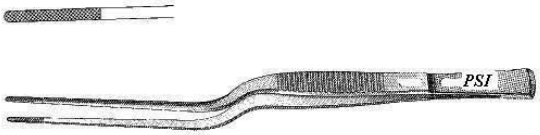
## DRESSING AND TISSUE FORCEPS

NEURO/SPINAL SURGERY

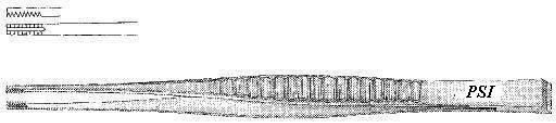
130-417 **CUSHING** Tissue Forceps,
7" (17.8cm), angled,
CARB-BITE tips, Gutsch handle, scraper end



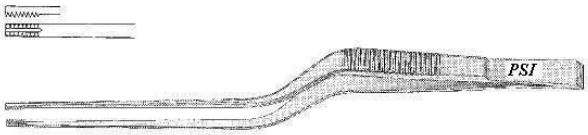

130-418 **CUSHING** Tissue Forceps,
7¾" (19.7cm), bayonet,
CARB-BITE tips, scraper end



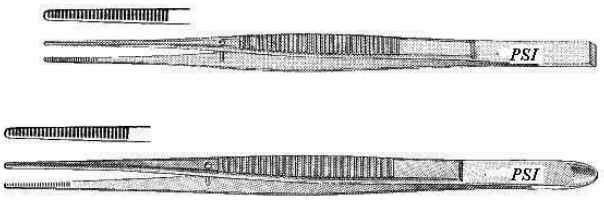

130-440 **CUSHING-BROWN** Tissue Forceps,
7" (17.8cm), straight, double row
of 9 x 9 delicate teeth, scraper end




130-442 **CUSHING-BROWN** Tissue Forceps,
7¾" (18.4cm), bayonet, double row
of 9 x 9 delicate teeth, scraper end

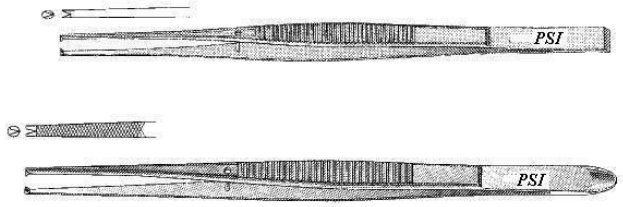


## DRESSING AND TISSUE FORCEPS



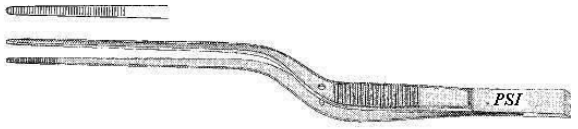

**CUSHING** Dressing Forceps, straight, serrated, scraper end

| | |
|---|---|
| **130-400** | 7" (17.8cm) |
| **130-445** | 8" (20.3cm) |



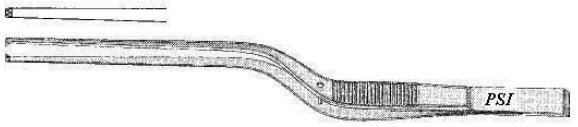

**CUSHING** Tissue Forceps, straight, 1 x 2 teeth, scraper end

| | |
|---|---|
| **130-405** | 7" (17.8cm) |
| **130-446** | 8" (20.3cm), cross serrated |



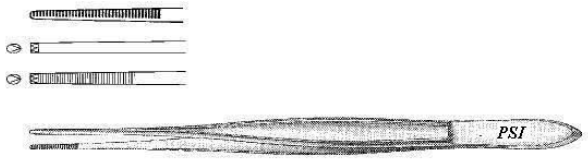

**CUSHING** Dressing Forceps, bayonet, serrated, scraper end

| | |
|---|---|
| **130-410** | 7¼" (18.4cm) |
| **130-420** | 7¾" (19.7cm) |



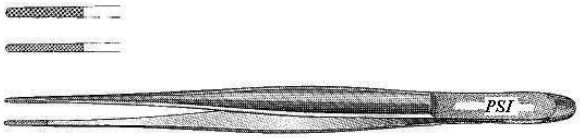

**CUSHING** Tissue Forceps, bayonet, 1 x 2 teeth, scraper end

| | |
|---|---|
| **130-415** | 7¼" (18.4cm) |
| **130-421** | 7¾" (19.7cm) |




**CUSHING** Tissue Forceps, Gutsch handle, straight, scraper end

| | |
|---|---|
| **130-425** | 7" (17.8cm), serrated |
| **130-430** | 7" (17.8cm), 1 x 2 teeth |
| **130-435** | 7" (17.8cm), 1 x 2 teeth, serrated |




**CUSHING** Needle Forceps, straight, CARB-BITE tips, Gutsch handle, scraper end

| | |
|---|---|
| **122-530** | 7" (17.8cm) |
| **122-535** | 7" (17.8cm), delicate |

## DRESSING AND TISSUE FORCEPS

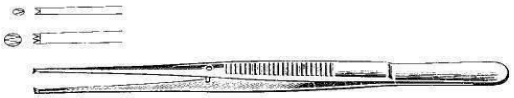
NEURO/SPINAL SURGERY

**SEMKEN** Dressing Forceps, serrated

**130-275** 4¾" (12.1cm)
**130-276** 6" (15.2cm)

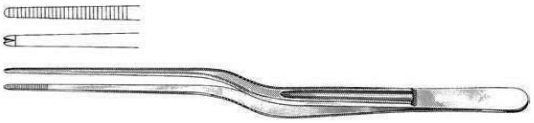
**SEMKEN** Tissue Forceps

**130-280** 4¾" (12.1cm), 1 x 2 teeth
**130-281** 6" (15.2cm), 1 x 2 teeth
**130-282** 4¾" (12.1cm), 2 x 3 teeth



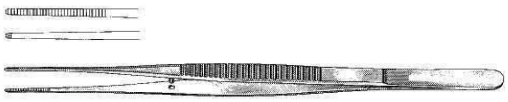
**HOEN** Bayonet Forceps, 7¾" (19.7cm)

**285-116** Serrated
**285-117** 1 x 2 teeth



**JARIT** Brain Forceps, 7" (17.8cm), delicate

**285-118** Serrated
**285-119** 1 x 2 teeth

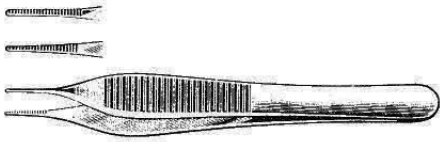


## DRESSING AND TISSUE FORCEPS



**ADSON** Dressing Forceps, serrated

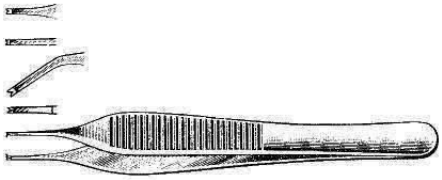
**130-230** 4¾" (12.1cm)
**130-231** 4¾" (12.1cm), extra delicate, 0.8mm wide tip



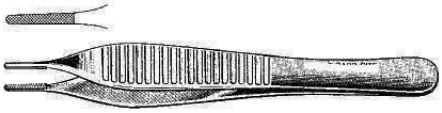
**130-232** **ADSON** Dressing Forceps, 4¾" (12.1cm), cross serrated tip

**ADSON** Tissue Forceps, 1 x 2 teeth

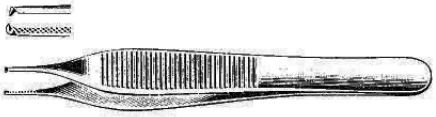
**130-234** 4¾" (12.1cm)
**130-235** 4¾" (12.1cm), extra delicate, 0.8mm wide tip
**130-237** 4¾" (12.1cm), angled
**130-238** 4¾" (12.1cm), with tying platform



**130-236** **ADSON** Tissue Forceps, 4¾" (12.1cm ), CARB-BITE tips

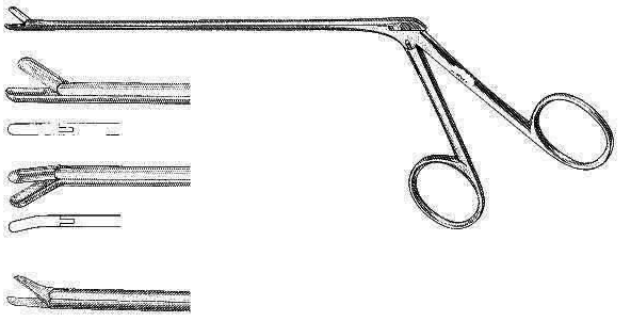


**130-245** **ADSON** Tissue Forceps, 4¾" (12.1cm), 1 x 2 teeth, serrated



## MICROSURGICAL RONGEURS AND FORCEPS

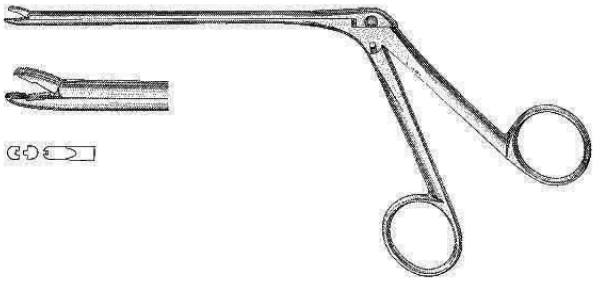
NEURO/SPINAL SURGERY



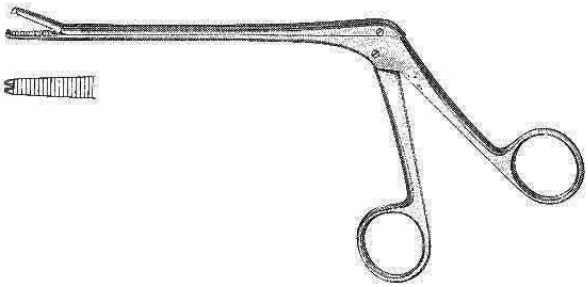
**DECKER** Microsurgical Rongeurs, 2mm x 6mm cup

**285-110** 6" (15.2cm), straight
**285-111** 6" (15.2cm), curved left

**285-112** **DECKER** Microsurgical Scissors, 5½" (14cm), straight



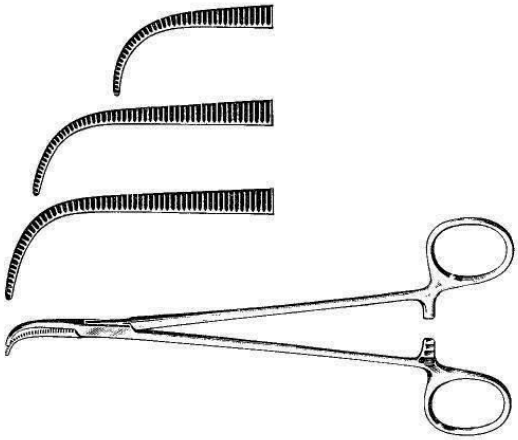
**285-114** **WILLIAMS**-Type Discectomy Forceps, 5½" (14cm), 1mm bite



**285-115** **HOEN** Alligator Forceps, 5½" (14cm), serrated jaws, 1 x 2 teeth

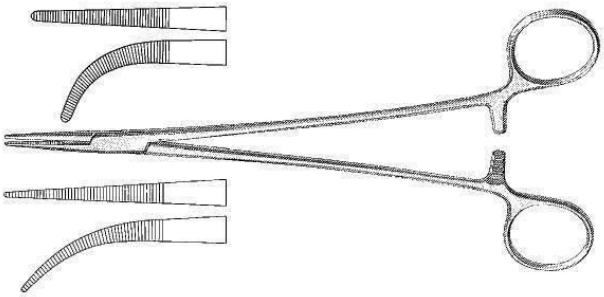
## HEMOSTATS AND DRESSING FORCEPS





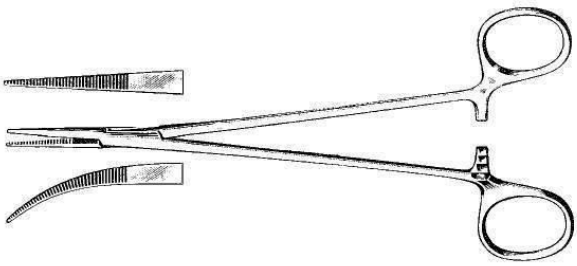
**GEMINI** Clamps

| | |
|---|---|
| **140-330** | 7" (17.8cm) |
| **140-331** | 8" (20.3cm) |
| **140-332** | 9" (22.9cm) |



**ADSON** Hemostatic Forceps

| | |
|---|---|
| **285-103** | 8½" (21.6cm), straight |
| **285-104** | 8½" (21.6cm), curved |
| **285-105** | 7½" (19cm), straight |
| **285-106** | 7½" (19cm), curved |

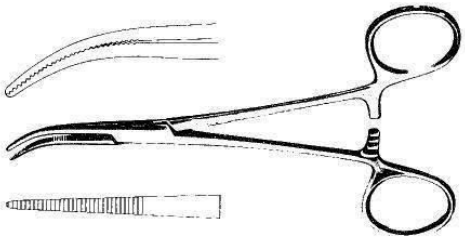


**PETIT-POINT** Mosquito Forceps, 7⅛" (18.1cm)

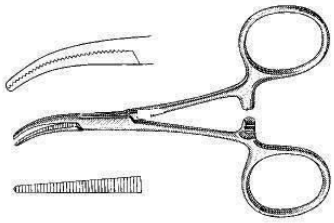
| | |
|---|---|
| **285-107** | Straight |
| **285-108** | Curved |

## HEMOSTATS AND DRESSING FORCEPS

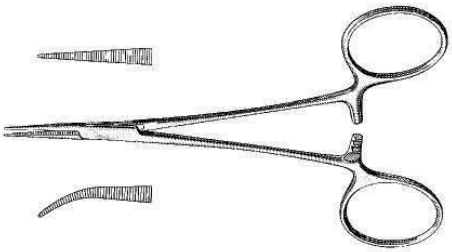
NEURO/SPINAL SURGERY



285-100 **DANDY** Scalp Forceps, 5½" (14cm), curved to side

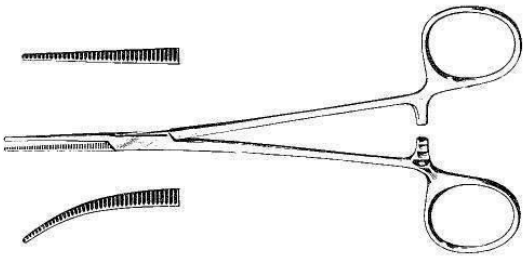


285-101 **JARIT-DANDY** Scalp Forceps, 4" (10.2cm), curved to side



**PETIT-POINT JACOBSON MOSQUITO** Forceps, 5" (12.7cm)

105-088 Straight
105-089 Curved

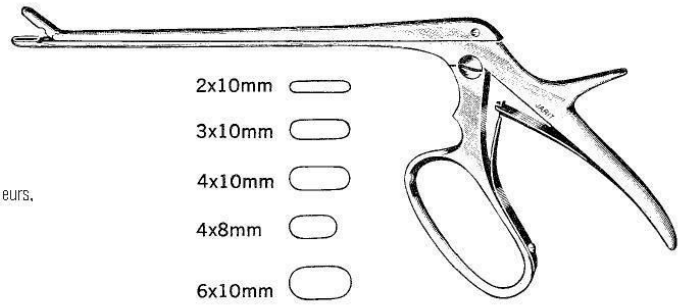


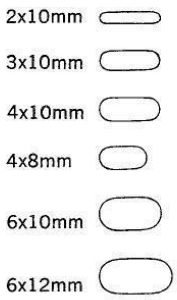
**PETIT-POINT MOSQUITO** Forceps, 6" (15.2cm)

105-098 Straight
105-099 Curved

## INTERVERTEBRAL DISC RONGEURS AND BIOPSY SET

NEURO/SPINAL SURGERY



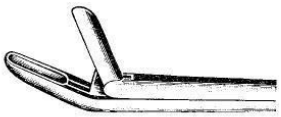



**FERRIS-SMITH** Cup Jaw Rongeurs, 7" (17.8cm) shaft, straight

| | |
|---|---|
| 280-500 | 2 x 10mm bite |
| 280-501 | 3 x 10mm bite |
| 280-502 | 4 x 10mm bite |
| 280-503 | 4 x 8mm bite |
| 280-504 | 6 x 10mm bite |
| 280-505 | 6 x 12mm bite |

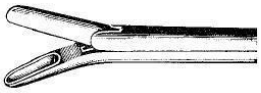
**FERRIS-SMITH** Cup Jaw Rongeurs, 7" (17.8cm) shaft, up-angled

| | |
|---|---|
| 280-510 | 2 x 10mm bite |
| 280-511 | 3 x 10mm bite |
| 280-512 | 4 x 10mm bite |
| 280-514 | 6 x 10mm bite |

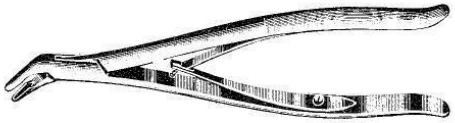


**FERRIS-SMITH** Cup Jaw Rongeurs, 7" (17.8cm) shaft, down-angled

| | |
|---|---|
| 280-515 | 2 x 10mm bite |
| 280-516 | 3 x 10mm bite |
| 280-517 | 4 x 10mm bite |



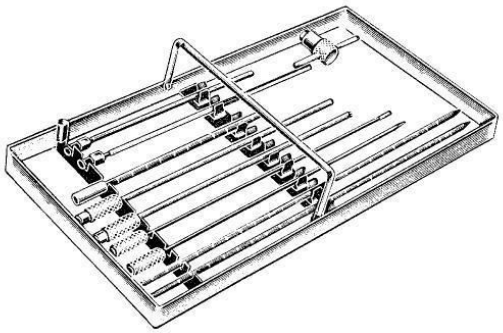
280-530 **STOOKEY** Cranial Rongeur, 7½" (19.1cm), 3mm bite



280-550 **CRAIG** Vertebral Biopsy Set

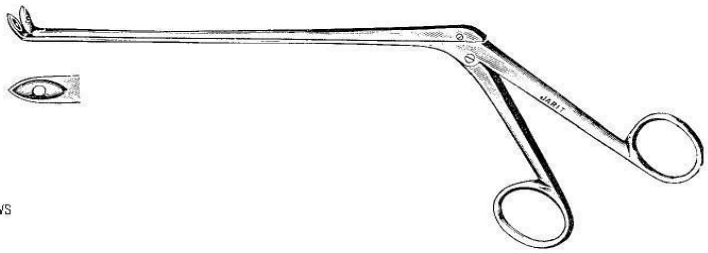
Includes:

| | |
|---|---|
| 280-551 | 1 Socket wrench |
| 280-552 | 1 Needle, 20 gauge |
| 280-553 | 1 Needle, 22 gauge |
| 280-554 | 1 Calibrated cannula |
| 280-555 | 2 Trephine cutters, with teeth |
| 280-556 | 1 Stylet pusher |
| 280-557 | 1 Twist hook |
| 280-558 | 2 Trocars, blunt, calibrated |
| 280-559 | 1 Sterilizing rack |



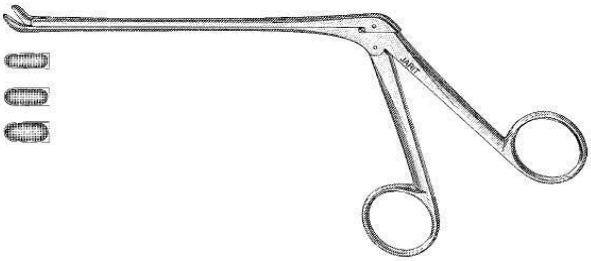
## INTERVERTEBRAL DISC RONGEURS

NEURO/SPINAL SURGERY



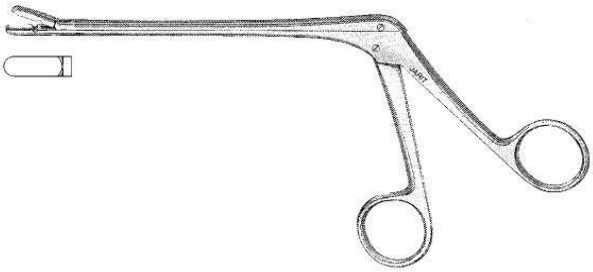
**JACKSON** Rongeur.
7" (17.8cm) shaft, fenestrated jaws

**280-460** 4 x 8mm bite, 70° up-angled



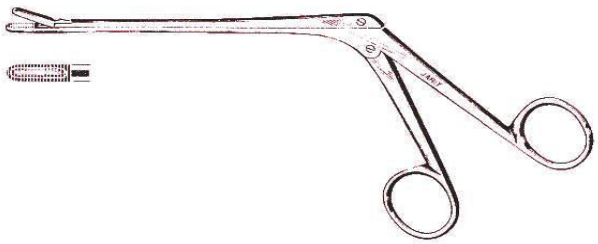
**PEAPOD** (Bead-Type) Forceps.
5½" (14cm) shaft, 45° up-angled

**280-465** 2.3 x 7mm bite
**280-466** 2.7 x 7mm bite
**280-467** 3.2 x 7mm bite



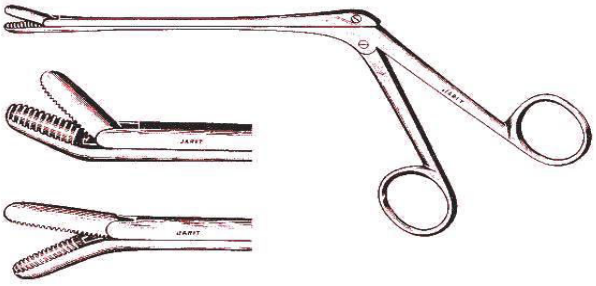
**280-470** **TAKAHASHI** Rongeur.
5" (12.7cm) shaft, 4 x 10mm bite

## INTERVERTEBRAL DISC RONGEURS



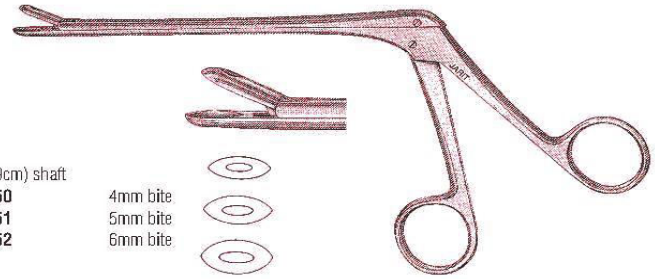
**SCHLESINGER** Rongeurs,
6" (15.2cm) shaft, serrated jaws

| | |
|---|---|
| **280-430** | 2 x 10mm bite, straight |
| **280-431** | 3 x 10mm bite, straight |
| **280-432** | 4 x 10mm bite, straight |



Rongeurs,
5" (12.7cm) shaft, serrated jaws,
6 x 10mm bite

| | |
|---|---|
| **280-440** | Straight |
| **280-441** | Up-angled |
| **280-442** | Down-angled |



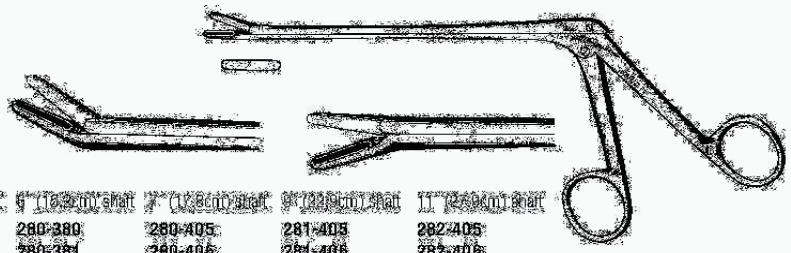
**WILDE** Rongeurs,
fenestrated jaws, straight

| 5½" (14cm) shaft | 7" (17.8cm) shaft | 9" (22.9cm) shaft | |
|---|---|---|---|
| **280-450** | **281-450** | **282-450** | 4mm bite |
| **280-451** | **281-451** | **282-451** | 5mm bite |
| **280-452** | **281-452** | **282-452** | 6mm bite |

**280-454** **WILDE** Rongeur,
fenestrated jaws, up-angled
4¼" (10.8cm) shaft, 5mm bite

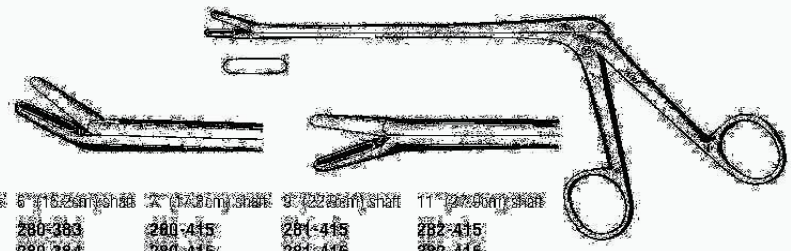
NEURO SPINAL SURGERY

## INTERVERTEBRAL DISC RONGEURS



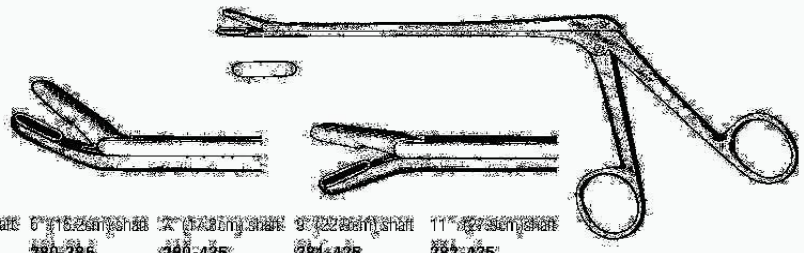
**CUSHING** Pituitary Rongeurs
2x 1mm bite

| | 5" (12.7cm) shaft | 6" (15.2cm) shaft | 7" (17.8cm) shaft | 9" (22.9cm) shaft | 11" (27.9cm) shaft |
|---|---|---|---|---|---|
| Straight | 280-400 | 280-380 | 280-405 | 281-405 | 282-405 |
| Upangled | 280-401 | 280-381 | 280-406 | 281-406 | 282-406 |
| Down-angled | 280-402 | 280-382 | 280-407 | 281-407 | 282-407 |



**LOVE-GRUENWALD**
Pituitary Rongeurs
3x 1mm bite

| | 5" (12.7cm) shaft | 6" (15.2cm) shaft | 7" (17.8cm) shaft | 9" (22.9cm) shaft | 11" (27.9cm) shaft |
|---|---|---|---|---|---|
| Straight | 280-410 | 280-383 | 280-415 | 281-415 | 282-415 |
| Upangled | 280-411 | 280-384 | 280-416 | 281-416 | 282-416 |
| Down-angled | 280-412 | 280-385 | 280-417 | 281-417 | 282-417 |

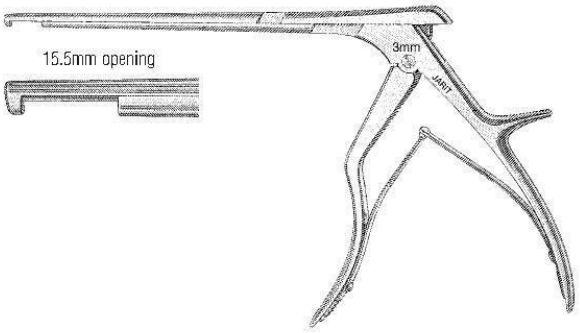


**SPURLING** Pituitary Rongeurs
4x 1mm bite

| | 5" (12.7cm) shaft | 6" (15.2cm) shaft | 7" (17.8cm) shaft | 9" (22.9cm) shaft | 11" (27.9cm) shaft |
|---|---|---|---|---|---|
| Straight | 280-420 | 280-386 | 280-425 | 281-425 | 282-425 |
| Upangled | 280-421 | 280-387 | 280-426 | 281-426 | 282-426 |
| Down-angled | 280-422 | 280-388 | 280-427 | 281-427 | 282-427 |

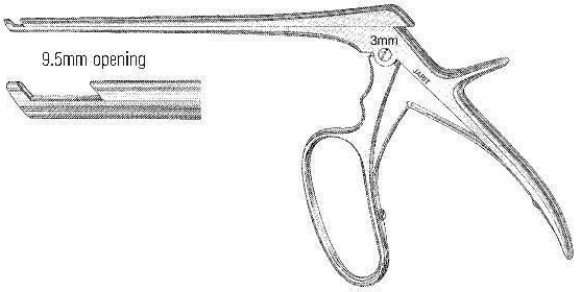
## LAMINECTOMY RONGEURS





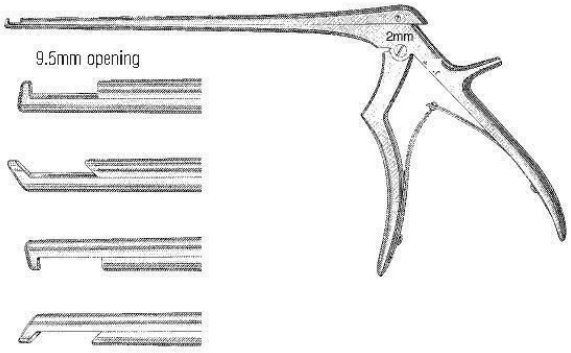

**LOVE-KERRISON** Rongeurs,
improved handle, 8" (20.3cm) shaft,
90° down-bite

**280-234** 2mm bite
**280-235** 3mm bite
**280-236** 4mm bite
**280-237** 5mm bite
**280-238** 6mm bite




**LAMINECTOMY** Rongeurs,
40° forward-angle

| 6¾" (17.5cm) | 8" (20.3cm) | |
|---|---|---|
| **280-286** | **280-290** | 3mm bite |
| **280-288** | **280-292** | 5mm bite |

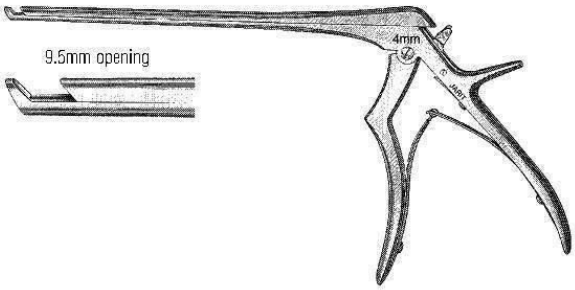



Sella Punches,
7" (17.8cm) shaft, 2mm bite

**280-295** 90° up-bite
**280-296** 40° up-bite
**280-297** 90° down-bite
**280-298** 40° down-bite

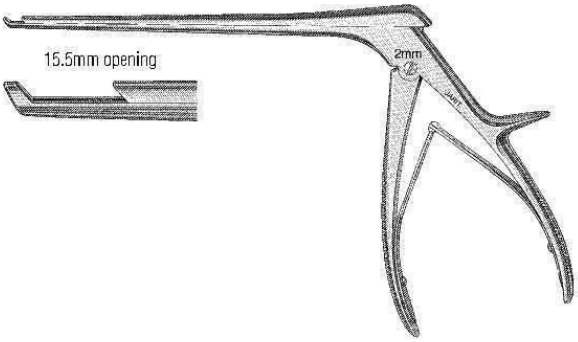
## LAMINECTOMY RONGEURS

NEURO/SPINAL SURGERY



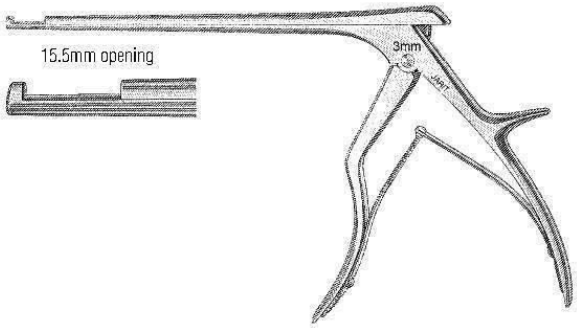

**KERRISON** DETACH Cervical Rongeurs, thin footplate, 40° forward-angle

| 7" (17.8cm) | 8" (20.3cm) | |
|---|---|---|
| **280-040DT** | **281-040DT** | 1mm bite |
| **280-060DT** | **281-060DT** | 2mm bite |
| **280-061DT** | **281-061DT** | 3mm bite |
| **280-062DT** | **281-062DT** | 4mm bite |
| **280-063DT** | **281-063DT** | 5mm bite |




**LOVE-KERRISON** Rongeurs, 40° forward-angle

| 7" (17.8cm) | 8" (20.3cm) | |
|---|---|---|
| **280-160** | **280-199** | 2mm bite |
| **280-161** | **280-200** | 3mm bite |
| **280-162** | **280-201** | 4mm bite |
| **280-163** | **280-202** | 5mm bite |
| **280-164** | **280-203** | 6mm bite |




**LOVE-KERRISON** Rongeurs, improved handle, 90° up-bite

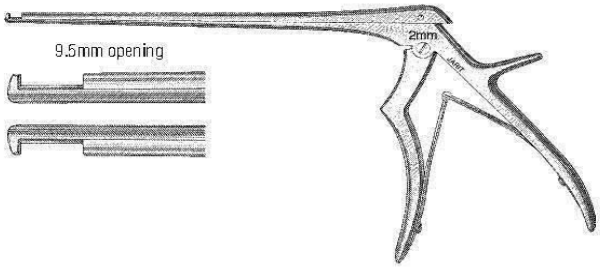
| 7" (17.8cm) | 8" (20.3cm) | |
|---|---|---|
| **280-209** | **280-229** | 2mm bite |
| **280-210** | **280-230** | 3mm bite |
| **280-211** | **280-231** | 4mm bite |
| **280-212** | **280-232** | 5mm bite |
| **280-213** | **280-233** | 6mm bite |

**LOVE-KERRISON** Rongeurs, improved handle, 40° forward-angle

| 7" (17.8cm) | 8" (20.3cm) | 9" (22.9cm) | 11" (28cm) | |
|---|---|---|---|---|
| **280-219** | **280-239** | **281-239** | **283-239** | 2mm bite |
| **280-220** | **280-240** | **281-240** | **283-240** | 3mm bite |
| **280-221** | **280-241** | **281-241** | **283-241** | 4mm bite |
| **280-222** | **280-242** | **281-242** | **283-242** | 5mm bite |
| **280-223** | **280-243** | **281-243** | **283-243** | 6mm bite |

## LAMINECTOMY RONGEURS



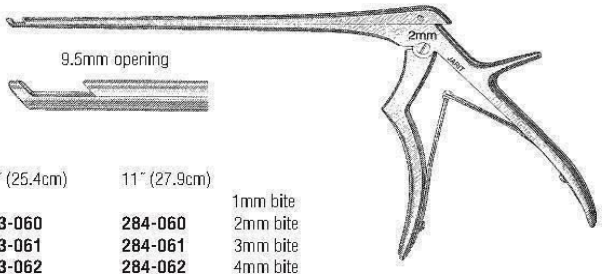



**KERRISON** Rongeurs,
7" (17.8cm) shaft

| 90° Up-bite | 90° Down-bite | |
|---|---|---|
| **280-040** | | 1mm bite |
| **280-050** | **280-055** | 2mm bite |
| **280-051** | **280-056** | 3mm bite |
| **280-052** | **280-057** | 4mm bite |
| **280-053** | **280-058** | 5mm bite |
| **280-054** | **280-059** | 6mm bite |

**KERRISON** Rongeurs,
8" ( 20.3cm) shaft

| 90° Up-bite | 90° Down-bite | |
|---|---|---|
| **281-040** | | 1mm bite |
| **281-050** | **281-055** | 2mm bite |
| **281-051** | **281-056** | 3mm bite |
| **281-052** | **281-057** | 4mm bite |
| **281-053** | **281-058** | 5mm bite |
| **281-054** | **281-059** | 6mm bite |




**KERRISON** Rongeurs,
40° forward-angle

| 7" (17.8cm) | 8" (20.3cm) | 9" (22.9cm) | 10" (25.4cm) | 11" (27.9cm) | |
|---|---|---|---|---|---|
| **280-041** | **281-041** | | | | 1mm bite |
| **280-060** | **281-060** | **282-060** | **283-060** | **284-060** | 2mm bite |
| **280-061** | **281-061** | **282-061** | **283-061** | **284-061** | 3mm bite |
| **280-062** | **281-062** | **282-062** | **283-062** | **284-062** | 4mm bite |
| **280-063** | **281-063** | **282-063** | **283-063** | **284-063** | 5mm bite |
| **280-064** | **281-064** | **282-064** | **283-064** | **284-064** | 6mm bite |

**KERRISON** Cervical Rongeurs,
thin footplate, 40° forward-angle

| 7" (17.8cm) | 8" (20.3cm) | |
|---|---|---|
| **280-060TF** | **281-060TF** | 2mm bite |
| **280-061TF** | **281-061TF** | 3mm bite |
| **280-062TF** | **281-062TF** | 4mm bite |
| **280-063TF** | **281-063TF** | 5mm bite |

## SUGGESTED INSTRUMENT SETS



### NEUROSURGERY

Burr Hole Set
Cervical Laminectomy Set
Craniotomy Set
Lumbar Laminectomy Set
Micro Neuro Set
MRI-Compatible Instruments Set
Rhoton (Stainless Steel) Dissector Set
Rhoton (Titanium) Dissector Set