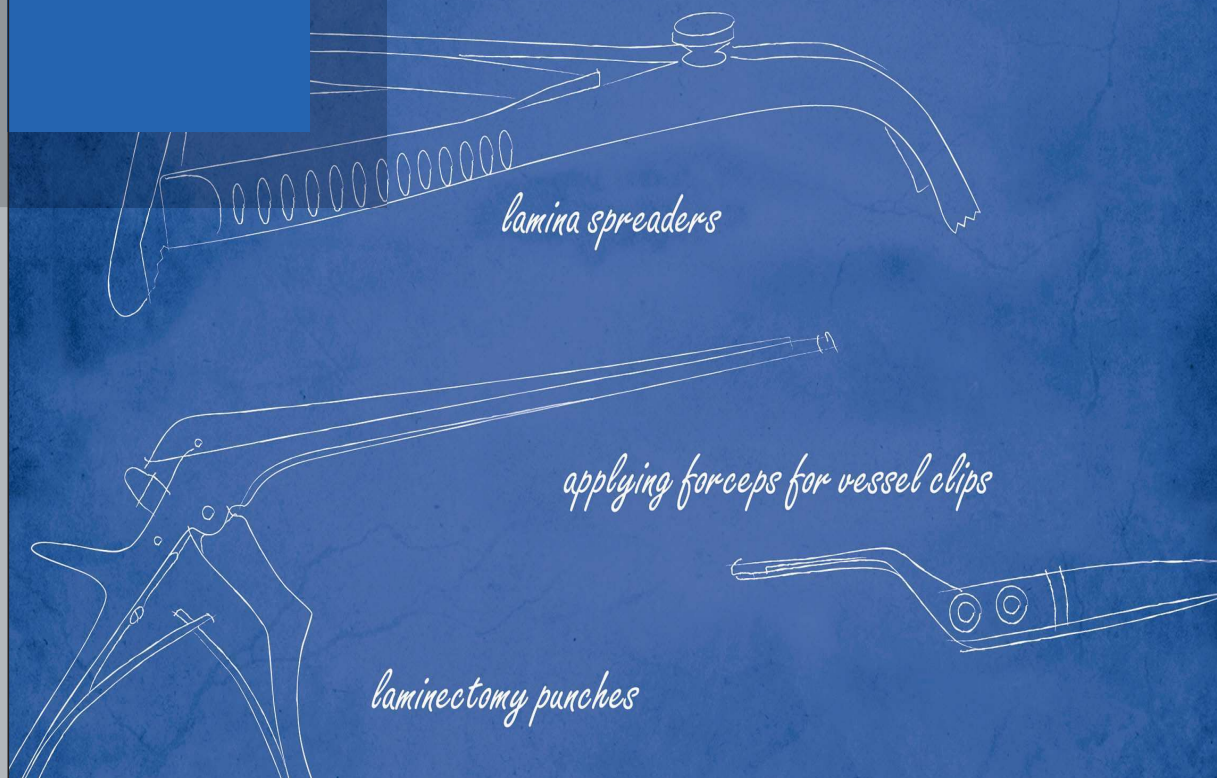


OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches

Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglianti per laminectomia

240

Laminektomiestanzen Laminectomy Punches

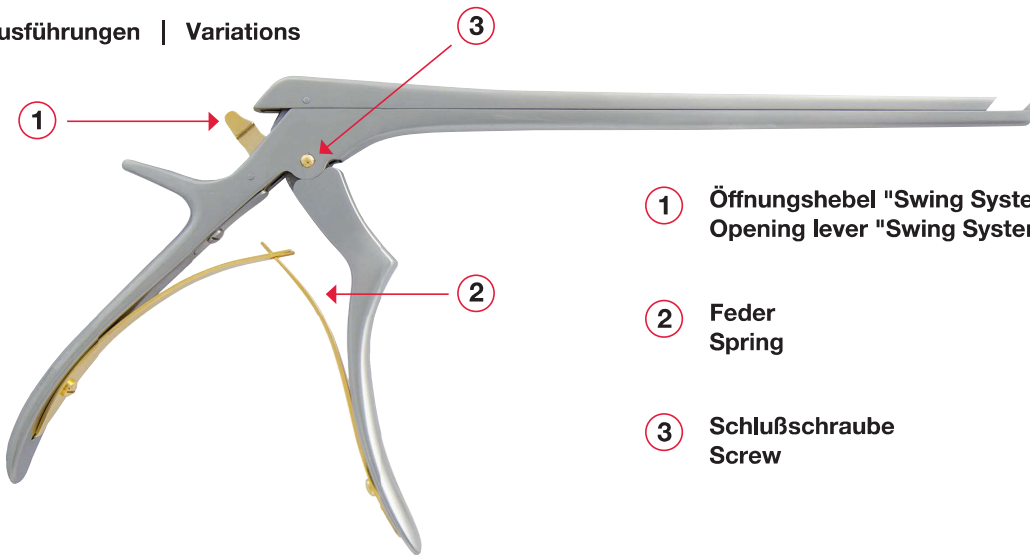
Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | Description Size Spez.

KERRISON

Ausführungen | Variations



- ① Öffnungshebel "Swing System"
Opening lever "Swing System"
- ② Feder
Spring
- ③ Schlußschraube
Screw

STANDARD + CLEAN WAVE	①	②	③
normale Fußplatte standard footplate	—	satin finish	satin finish
dünne Fußplatte thin footplate	—	gold	gold
SWING SYSTEM	①	②	③
normale Fußplatte standard footplate	satin finish	satin finish	satin finish
dünne Fußplatte thin footplate	gold	gold	gold

- A** Auswerfer
Ejector
Expulsor
Éjecteur
Espulsore
- T** Dünnfuß
Thin footplate
Pico estrecho
Plaque étroite
Morso sottile
- CC** Keramikbeschichtung
Ceramic coated
Cubierto con cerámica
Recouvert avec céramique
Ricoprato con ceramica

240

Bestelloptionen:

Sie möchten die Stanze mit Auswerfer?
A fügen Sie ein „A“ zur Artikelnummer
 Sie möchten die Stanze mit Dünnfuß?
T fügen Sie ein „T“ zur Artikelnummer
 Sie möchten die Stanze mit Keramikbeschichtung?
CC fügen Sie ein „CC“ zur Artikelnummer

Beispiel:

Sie brauchen die Stanze 240-071-03 mit Auswerfer und Keramikbeschichtung?
 Bestellnummer: 240-071-03ACC

Options:

How to order Rongeurs with ejector?
A add a "A" to the item number
 How to order Rongeurs with thin foot?
T add a "T" to the item number
 How to order Rongeurs with ceramic coating?
CC add a "CC" to the item number

Example:

You would like to order the 240-071-03 with ejector and ceramic coating?
 Order number: 240-071-03ACC



Laminectomiestanzen Laminectomy Punches

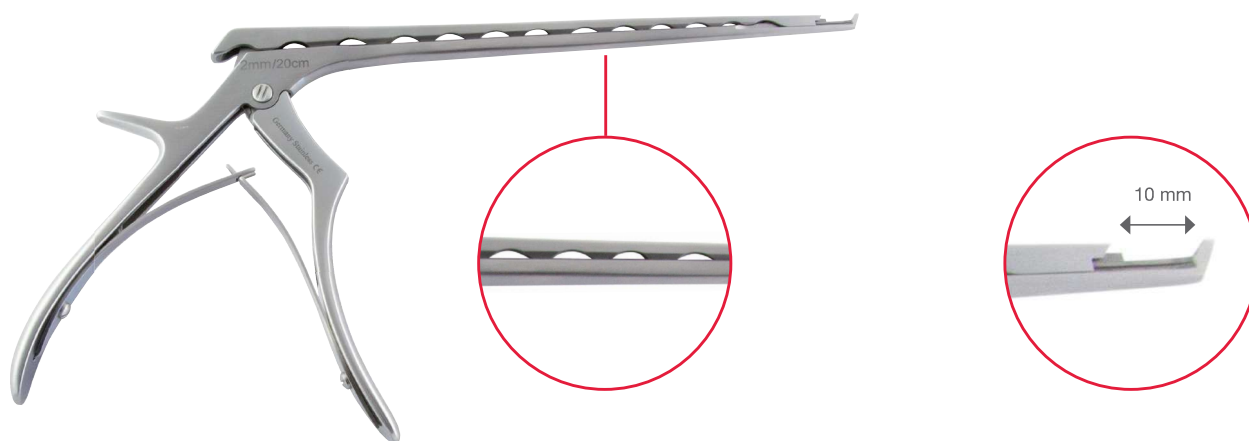
Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | Description Size Spez.

KERRISON

clean wave™



	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
40°	1 mm	240-071-01-CW	240-072-01-CW	240-073-01-CW
	ohne Auswerfer without ejector sin expulsor sans éjecteur senza espulsore			
40°	2 mm	240-071-02A-CW	240-072-02A-CW	240-073-02A-CW
40°	3 mm	240-071-03A-CW	240-072-03A-CW	240-073-03A-CW
40°	4 mm	240-071-04A-CW	240-072-04A-CW	240-073-04A-CW
40°	5 mm	240-071-05A-CW	240-072-05A-CW	240-073-05A-CW
	mit Auswerfer with ejector con expulsor avec éjecteur con espulsore			

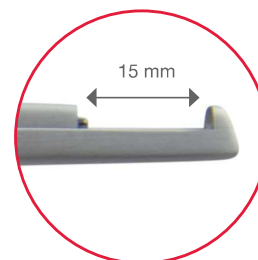
Laminectomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pincers emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | Description Size Spez.

LOVE KERRISON

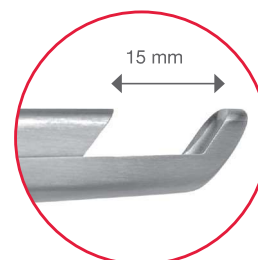


	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
90°	2 mm	240-001-02	240-002-02
90°	3 mm	240-001-03	240-002-03
90°	4 mm	240-001-04	240-002-04
90°	5 mm	240-001-05	240-002-05
90°	6 mm	240-001-06	240-002-06

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

LOVE KERRISON

	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
40°	2 mm	240-021-02	240-022-02	240-023-02
40°	3 mm	240-021-03	240-022-03	240-023-03
40°	4 mm	240-021-04	240-022-04	240-023-04
40°	5 mm	240-021-05	240-022-05	240-023-05
40°	6 mm	240-021-06	240-022-06	240-023-06



ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

240

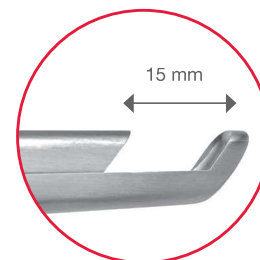
Laminektomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pinces emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | Description Size Spez.

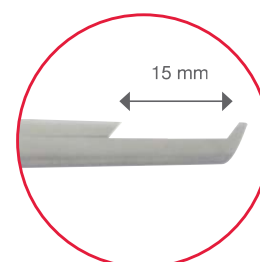
LOVE KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
40°	2 mm	240-121-02	240-122-02
40°	3 mm	240-121-03	240-122-03
40°	4 mm	240-121-04	240-122-04
40°	5 mm	240-121-05	240-122-05
40°	6 mm	240-121-06	240-122-06

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft
		20,0 cm; 8"
40°	2 mm	240-272-02  
40°	3 mm	240-272-03  
40°	4 mm	240-272-04  
40°	5 mm	240-272-05  

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

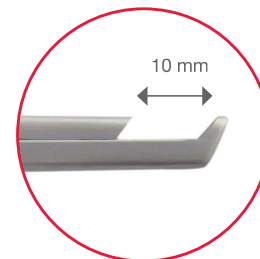
Laminectomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia



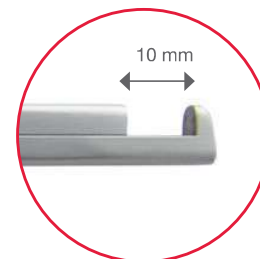
Art.Nr. Beschreibung | Description Size Spez.

KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
40°	1 mm	240-071-01 <input type="checkbox"/> T <input type="checkbox"/> CC	240-072-01 <input type="checkbox"/> T <input type="checkbox"/> CC	240-073-01 <input type="checkbox"/> T <input type="checkbox"/> CC
	ohne Auswerfer without ejector sin expulsor sans éjecteur senza espulsore			
40°	2 mm	240-071-02 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-072-02 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-073-02 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC
40°	3 mm	240-071-03 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-072-03 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-073-03 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC
40°	4 mm	240-071-04 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-072-04 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-073-04 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC
40°	5 mm	240-071-05 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-072-05 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-073-05 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC
40°	6 mm	240-071-06 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-072-06 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC	240-073-06 <input type="checkbox"/> A <input type="checkbox"/> T <input type="checkbox"/> CC

KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
90°	1 mm	240-051-01 <input type="checkbox"/> T <input type="checkbox"/> CC	240-052-01 <input type="checkbox"/> T <input type="checkbox"/> CC	-
	ohne Auswerfer without ejector sin expulsor sans éjecteur senza espulsore			
90°	2 mm	240-051-02 <input type="checkbox"/> T <input type="checkbox"/> CC	240-052-02 <input type="checkbox"/> T <input type="checkbox"/> CC	240-053-02 <input type="checkbox"/> T <input type="checkbox"/> CC
90°	3 mm	240-051-03 <input type="checkbox"/> T <input type="checkbox"/> CC	240-052-03 <input type="checkbox"/> T <input type="checkbox"/> CC	240-053-03 <input type="checkbox"/> T <input type="checkbox"/> CC
90°	4 mm	240-051-04 <input type="checkbox"/> T <input type="checkbox"/> CC	240-052-04 <input type="checkbox"/> T <input type="checkbox"/> CC	240-053-04 <input type="checkbox"/> T <input type="checkbox"/> CC
90°	5 mm	240-051-05 <input type="checkbox"/> T <input type="checkbox"/> CC	240-052-05 <input type="checkbox"/> T <input type="checkbox"/> CC	240-053-05 <input type="checkbox"/> T <input type="checkbox"/> CC
90°	6 mm	240-051-06 <input type="checkbox"/> T <input type="checkbox"/> CC	240-052-06 <input type="checkbox"/> T <input type="checkbox"/> CC	240-053-06 <input type="checkbox"/> T <input type="checkbox"/> CC
	mit Auswerfer with ejector con expulsor avec éjecteur con espulsore			

240

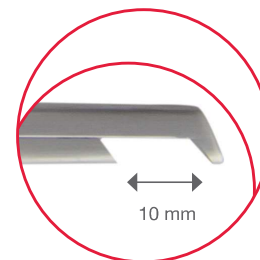
Laminectomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pincers emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | *Description* Size Spez.

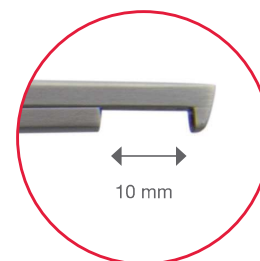
KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
40°	2 mm	240-081-02	-
40°	3 mm	240-081-03	240-082-03
40°	4 mm	240-081-04	240-082-04
40°	5 mm	240-081-05	240-082-05
40°	6 mm	240-081-06	-

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
90°	2 mm	240-061-02	240-062-02
90°	3 mm	240-061-03	240-062-03
90°	4 mm	240-061-04	240-062-04
90°	5 mm	240-061-05	240-062-05
90°	6 mm	240-061-06	240-062-06

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

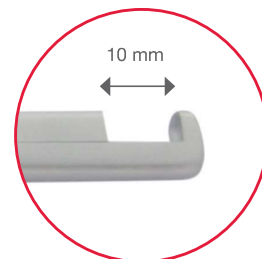
Laminektomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | *Description* Size Spez.

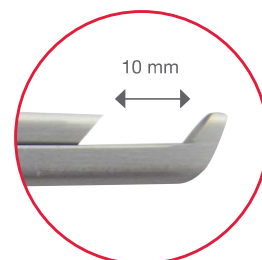
KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,0 cm; 7,2"
90°	5 mm	240-351-05

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft	
		18,0 cm; 7,2"	20,0 cm; 8"
40°	3 mm	240-371-03	240-372-03
40°	5 mm	240-371-05	240-372-05

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

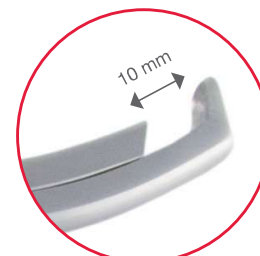
Laminektomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia



Art.Nr. Beschreibung | *Description* Size Spez.

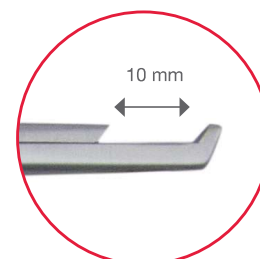
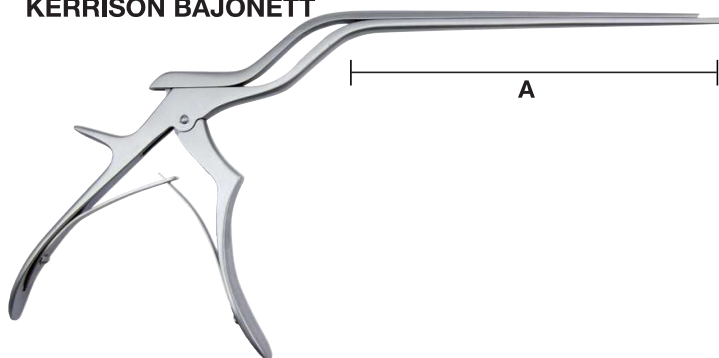
KERRISON



	Bissbreite Width of bite	Schaftlänge Length of shaft
		20,0 cm; 8"
40°	2 mm	240-072-02-GEB
40°	3 mm	240-072-03-GEB
40°	4 mm	240-072-04-GEB
40°	5 mm	240-072-05-GEB

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore
aufgebogen | angled up | angulado hacia arriba | courbe en hautel | angolata in alto

KERRISON BAJONETT



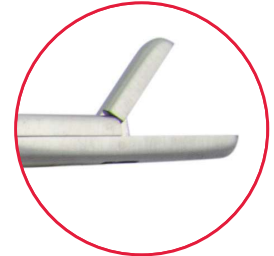
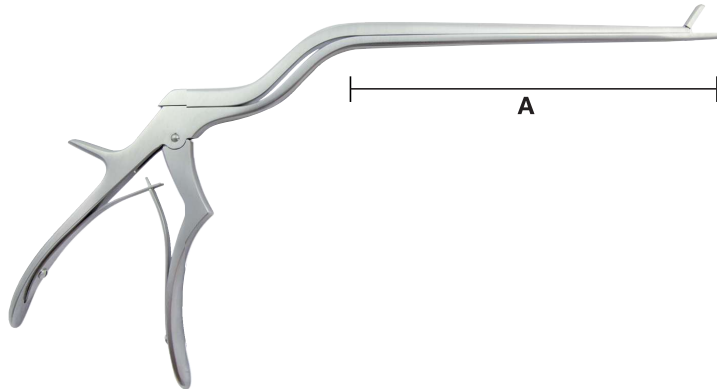
	Bissbreite Width of bite	Schaftlänge (A) Length of shaft (A)
		16,0 cm; 6,4"
40°	2 mm	240-090-02 T CC
40°	3 mm	240-090-03 T CC
40°	4 mm	240-090-04 T CC
40°	5 mm	240-090-05 T CC

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore



Art.Nr. Beschreibung | *Description* Size Spez.

BAJONETT



	Bissbreite Width of bite	Schaftlänge (A) Length of shaft (A)
		16,0 cm; 6,4"
	2 x 8 mm	240-590-02
	3 x 9 mm	240-590-03
	4 x 10 mm	240-590-04

gerade | straight | recta | droite | retta

	Bissbreite Width of bite	Schaftlänge Length of shaft
		16,0 cm; 6,4"
	2 x 8 mm	240-591-02
	3 x 9 mm	240-591-03
	4 x 10 mm	240-591-04



aufgebogen | angled up | angulado hacia arriba | courbe en haute | angolata in alto

240

Bandscheiben-Rongeurs IVD Rongeurs

Pinzas para laminectomía

Pinces pour laminectomie

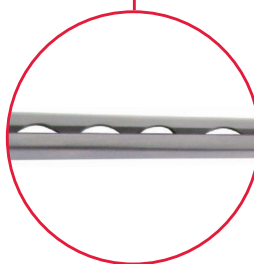
Pinze per laminectomia



Art.Nr. Beschreibung | Description Size Spez.

CASPAR

cleanwave™



	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,5 cm; 7,4"
	2 x 12 mm	240-511-02-CW
	3 x 12 mm	240-511-03-CW
	4 x 14 mm	240-511-04-CW

gerade | straight | recta | droite | retta

	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,5 cm; 7,4"
	2 x 12 mm	240-515-02-CW
	3 x 12 mm	240-515-03-CW
	4 x 14 mm	240-515-04-CW



aufgebogen | angled up | angulado hacia arriba | courbe en haute | angolata in alto

	Bissbreite Width of bite	Schaftlänge Length of shaft
		18,5 cm; 7,4"
	2 x 12 mm	240-518-02-CW
	3 x 12 mm	240-518-03-CW
	4 x 14 mm	240-518-04-CW



abgebogen | angled down | angulado hacia abajo | courbe en bas | angolata in basso

240

Bandscheiben-Rongeurs IVD Rongeurs

Pinzas para laminectomía

Pinces pour laminectomie

Pinze per laminectomia

TONTARRA



Art.Nr. Beschreibung | Description Size Spez.



clean wave™

Schaftlänge Length of shaft	Bissbreite Width of bite			gerade straight recta droite retta
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING	
13,0 cm; 5,2"	240-550-02-CW	240-550-03-CW	240-550-04-CW	
15,0 cm; 6"	240-551-02-CW	240-551-03-CW	240-551-04-CW	
18,0 cm; 7,2"	240-552-02-CW	240-552-03-CW	240-552-04-CW	
23,0 cm; 9,2"	240-554-02-CW	240-554-03-CW	240-554-04-CW	
28,0 cm; 11,2"	240-557-02-CW	240-557-03-CW	240-557-04-CW	
Schaftlänge Length of shaft	Bissbreite Width of bite			aufgebogen angled up angulado hacia arriba courbe en haute angolata in alto
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING	
13,0 cm; 5,2"	240-600-02-CW	240-600-03-CW	240-600-04-CW	
15,0 cm; 6"	240-601-02-CW	240-601-03-CW	240-601-04-CW	
18,0 cm; 7,2"	240-602-02-CW	240-602-03-CW	240-602-04-CW	
23,0 cm; 9,2"	240-604-02-CW	240-604-03-CW	240-604-04-CW	
28,0 cm; 11,2"	240-607-02-CW	240-607-03-CW	240-607-04-CW	
Schaftlänge Length of shaft	Bissbreite Width of bite			abgebogen angled down angulado hacia abajo courbe en bas angolata in basso
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜNWALD	4 x 10 mm SPURLING	
13,0 cm; 5,2"	240-650-02-CW	240-650-03-CW	240-650-04-CW	
15,0 cm; 6"	240-651-02-CW	240-651-03-CW	240-651-04-CW	
18,0 cm; 7,2"	240-652-02-CW	240-652-03-CW	240-652-04-CW	
23,0 cm; 9,2"	240-654-02-CW	240-654-03-CW	240-654-04-CW	
28,0 cm; 11,2"	240-657-02-CW	240-657-03-CW	240-657-04-CW	

240



Art.Nr. Beschreibung | Description Size Spez.

CASPAR



Maulteile gefenstert und gezahnt
Jaws fenestrated and serrated
Bocas fenestradas y dentadas
Mors genêtré et dentelé
Morsi fenestrati e dentellati

Bissbreite Width of bite	Schaftlänge Length of shaft			gerade straight recta droite retta
	14,0 cm; 5,6"	16,0 cm; 6,4"	18,5 cm; 7,4"	
2 x 12 mm	240-509-02	240-510-02	240-511-02	
3 x 12 mm	240-509-03	240-510-03	240-511-03	
4 x 14 mm	240-509-04	240-510-04	240-511-04	
5 x 14 mm	-	240-510-05	240-511-05	
6 x 16 mm	-	240-510-06	240-511-06	

Bissbreite Width of bite	Schaftlänge Length of shaft			aufgebogen angled up angulado hacia arriba courbé en haut angolata in alto
	14,0 cm; 5,6"	16,0 cm; 6,4"	18,5 cm; 7,4"	
3 x 12 mm	240-513-03	240-514-03	240-515-03	
4 x 14 mm	240-513-04	240-514-04	240-515-04	
5 x 14 mm	-	240-514-05	240-515-05	

Bissbreite Width of bite	Schaftlänge Length of shaft			abgebogen angled down angulado hacia abajo courbé en bas angolata in basso
	14,0 cm; 5,6"	16,0 cm; 6,4"	18,5 cm; 7,4"	
3 x 12 mm	240-516-03	240-517-03	240-518-03	
4 x 14 mm	240-516-04	240-517-04	240-518-04	

240

Bandscheiben-Rongeurs IVD Rongeurs

Pinzas para laminectomía

Pinces pour laminectomie

Pinze per laminectomia

TONTARRA



Art.Nr. Beschreibung | Description Size Spez.







Schaftlänge Length of shaft	Bissbreite Width of bite			gerade straight recta droite retta
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜN WALD	4 x 10 mm SPURLING	
13,0 cm; 5,2"	240-550-02	240-550-03	240-550-04	
15,0 cm; 6"	240-551-02	240-551-03	240-551-04	
18,0 cm; 7,2"	240-552-02	240-552-03	240-552-04	
23,0 cm; 9,2"	240-554-02	240-554-03	240-554-04	
28,0 cm; 11,2"	240-557-02	240-557-03	240-557-04	
Schaftlänge Length of shaft	Bissbreite Width of bite			aufgebogen angled up angulado hacia arriba courbe en haute angolata in alto
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜN WALD	4 x 10 mm SPURLING	
13,0 cm; 5,2"	240-600-02	240-600-03	240-600-04	
15,0 cm; 6"	240-601-02	240-601-03	240-601-04	
18,0 cm; 7,2"	240-602-02	240-602-03	240-602-04	
23,0 cm; 9,2"	240-604-02	240-604-03	240-604-04	
28,0 cm; 11,2"	240-607-02	240-607-03	240-607-04	
Schaftlänge Length of shaft	Bissbreite Width of bite			abgebogen angled down angulado hacia abajo courbe en bas angolata in basso
	2 x 10 mm CUSHING	3 x 10 mm LOVE-GRÜN WALD	4 x 10 mm SPURLING	
13,0 cm; 5,2"	240-650-02	240-650-03	240-650-04	
15,0 cm; 6"	240-651-02	240-651-03	240-651-04	
18,0 cm; 7,2"	240-652-02	240-652-03	240-652-04	
23,0 cm; 9,2"	240-654-02	240-654-03	240-654-04	
28,0 cm; 11,2"	240-657-02	240-657-03	240-657-04	

240

Bandscheiben-Rongeure
IVD Rongeurs

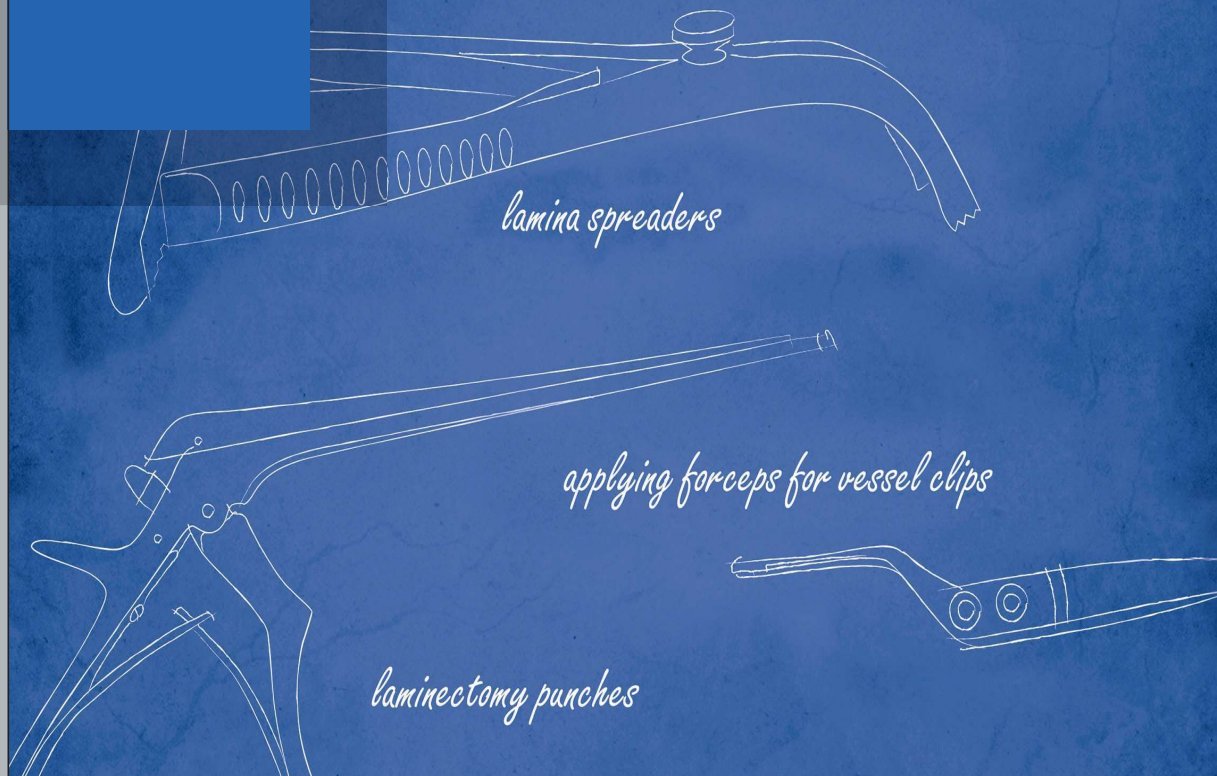
Pinzas para laminectomía
Pinces pour laminectomie
Pinze per laminectomia



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
		18,0 cm; 7,2"	
			
	gerade straight recta droite retta angolata in alto	aufgebogen angled up angulado arriba courbe en haute angolata in basso	abgebogen angled down angulado abajo courbe en bas angolata in basso
2 x 10 mm CUSHING	240-552-02KG	240-602-02KG	240-652-02KG
3 x 10 mm LOVE-GRÜNWALD	240-552-03KG	240-602-03KG	240-652-03KG
4 x 10 mm SPURLING	240-552-04KG	240-602-04KG	240-652-04KG



OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches

Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglianti per laminectomia

243

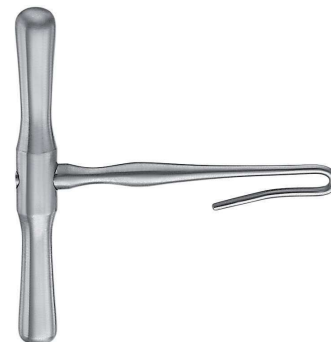


Art.Nr.	Beschreibung Description	Size	Spez.
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243-005-00

GIGLI

Drahtsägen-Handgriff
Wire saws handle
Mango de gancho
Manche á crochet
Manico con uncino



GIGLI (OLIVECRONA)

Drahtsägen
Wire saws
Sierras de hilo
Fils scies
Fili sega

Ø 1,3 mm



Ø 1,4 mm



243-010-30

30,0 cm; 11 6/8"

243-015-30

30,0 cm; 11 6/8"

243-010-40

40,0 cm; 15 6/8"

243-015-40

40,0 cm; 15 6/8"

243-010-50

50,0 cm; 19 5/8"

243-015-50

50,0cm; 19 5/8"

243-010-60

60,0 cm; 23 5/8"

243-015-60

60,0 cm; 23 5/8"

243-010-70

70,0 cm; 27 4/8"

243-015-70

70,0cm; 27 4/8"

Mindestbestellmenge: 10 Stück | Minimum order quantity: 10 pieces

Cantidad minima de pedido: 10 unidades | Quantité minimum par commande: 10 pieces | Quantita minima d'ordine: 10 pezzi

243-026-33

DE MARTEL

33,0 cm; 13"

Einführungsinstrument
Wire saw guide
Conductor para sierras de hilo
Conducteur pour fils-scies
Introduttore



Schädelstanzen
Cranial Rongeur

Pinzas sacabocados craneales
Pincas emporte-pièces crâniennes
Pinze per cranio



Art.Nr.	Beschreibung Description	Size	Spez.
243-040-00	DE VILBISS mit Klängen 243-040-01 und 243-040-02 with blades 243-040-01 and 243-040-02 con hojas 243-040-01 y 243-040-02 avec lame 243-040-01 et 243-040-02 con lame 243-040-01 e 243-040-02	21,0 cm; 8 2/8"	SET



DE VILBISS Ersatzklängen
Spare blades only
Hoja de repuesto
Lame de rechange
Lama di ricambio

243-040-01	Fig. 4	
243-040-02	Fig. 5	



Art.Nr.	Beschreibung Description	Size	Spez.
243-044-20	DAHLGREEN mit Klinge 243-044-01 with blade 243-044-01 con hoja 243-044-01 avec lame 243-044-01 con lame 243-044-01	19,5cm; 7 5/8"	SET



243-044-01	DAHLGREEN Ersatzklinge Spare blade Hoja de repuesto Lame de rechange Lama di ricambio		
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243-046-22	CONE bis 12 mm up to 12 mm hasta 12 mm jusqu' à 12 mm fino a 12 mm	22,5 cm; 8 7/8"	
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243



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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243



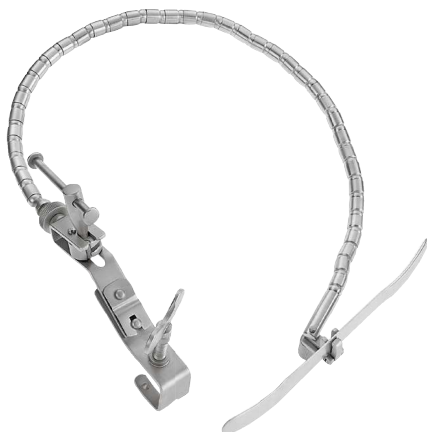
Art.Nr.	Beschreibung Description	Size	Spez.
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243-070-00

LEYLA

SET

1-Arm | with 1 arm | con 1 brazo | avec 1 bras | con 1 braccio



bestehend aus: | consisting of:
 compuesto de: | composé de: | composto da:

243-070-10

1 x Spannarm
 1 x Flexible arm
 1 x Brazo flexible
 1 x Bras flexible
 1 x Braccio flessibile

243-070-20

1 x Fixiervorrichtung
 1 x Fixation base
 1 x Fijador
 1 x Dispositif au fixation
 1 x Base di fissaggio

243-070-31

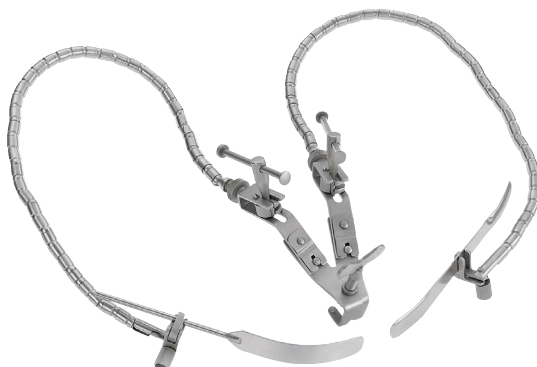
1 x Spatelhalter
 1 x Support
 1 x Porta-espátula
 1 x Support
 1 x Supporto

243-071-00

LEYLA

SET

2-Arm | with 2 arms | con 2 brazos | avec 2 bras | con 2 bracci



bestehend aus: | consisting of:
 compuesto de: | composé de: | composto da:

243-070-10

2 x Spannarme
 2 x Flexible arms
 2 x Brazo flexible
 2 x Bras flexible
 2 x Braccio flessibile

243-070-21

1 x Fixiervorrichtung
 1 x Fixation base
 1 x Fijador
 1 x Dispositif au fixation
 1 x Bbase di fissaggio

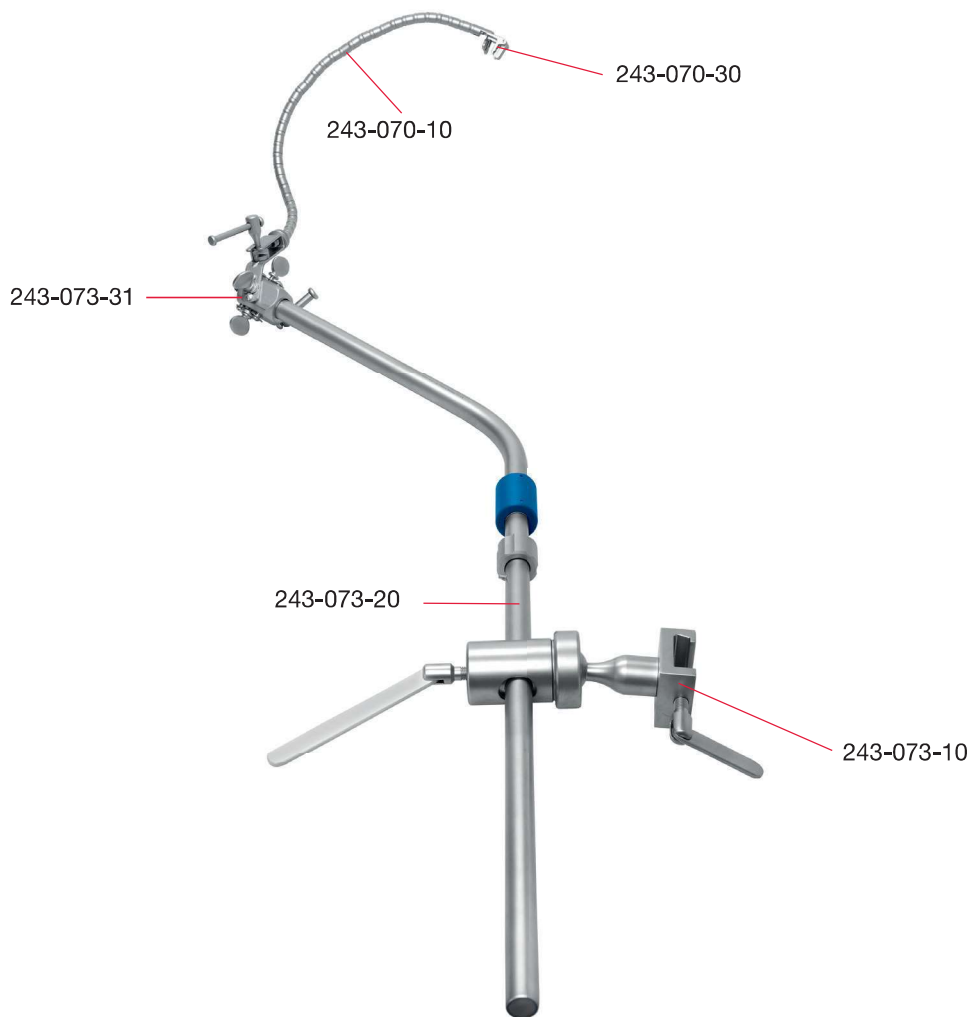
243-070-31

2 x Spatelhalter
 2 x Support
 2 x Porta-espátula
 2 x Support
 2 x Supporto

243



Art.Nr.	Beschreibung Description	Size	Spez.
243-075-00	LEYLA 1-Arm with 1 arm con 1 brazo avec 1 bras con 1 braccio		SET



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:

<p>243-073-10</p> <p>1 x Kugelgelenkkolben 1 x Ball and socket join 1 x Zapato p.la fijacion 1 x Sabot pour fixer 1 x Zoccolo</p>	<p>243-073-20</p> <p>1 x Haltearm 1 x Holding rod 1 x Brazo de soporte 1 x Bras à tenir 1 x Porta asta</p>	<p>243-073-31</p> <p>1 x Kupplungskopf 1 x Coupling head 1 x Acoplamiento 1 x Embrayage 1 x Accoppiamento</p>
<p>243-070-10</p> <p>1 x Spannarm 1 x Flexible arm 1 x Brazo flexible 1 x Bras flexible 1 x Braccio flessibile</p>	<p>243-070-30</p> <p>1 x Spatelhalter 1 x Support 1 x Porta-espátula 1 x Support 1 x Supporto</p>	



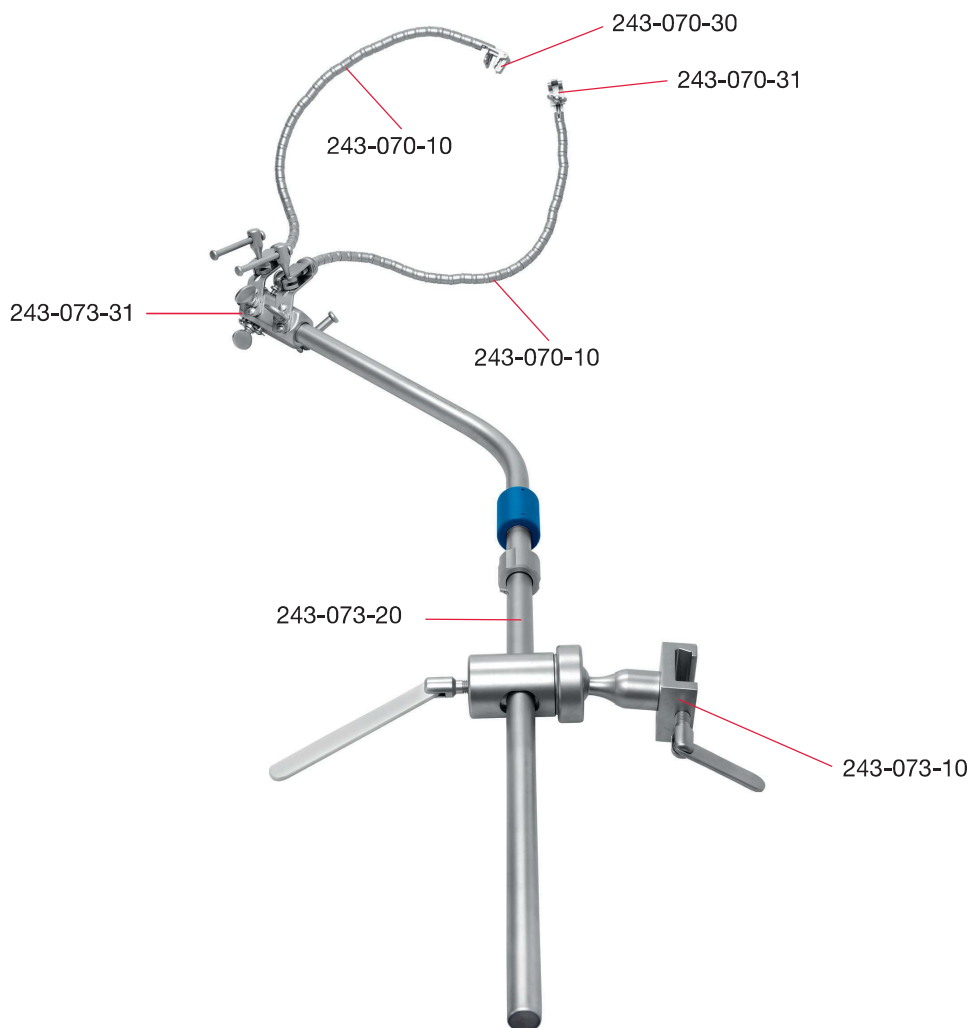
Art.Nr.	Beschreibung Description	Size	Spez.
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243-077-00

LEYLA

SET

2-Arm | with 2 arms | con 2 brazos | avec 2 bras | con 2 bracci



bestehend aus: | consisting of:
 compuesto de: | composé de: | composto da:

243-073-10	2 x Kugelgelenkkolben 2 x Ball and socket join 2 x Zapato p.la fijacion 2 x Sabot pour fixer 2 x Zoccolo	243-073-20	1 x Haltearm 1 x Holding rod 1 x Brazo de soporte 1 x Bras à tenir 1 x Porta asta	243-073-31	2 x Kupplungskopf 2 x Coupling head 2 x Acoplamiento 2 x Embrayage 2 x Accoppiamento
243-070-10	2 x Spannarm 2 x Flexible arm 2 x Brazo flexible 2 x Bras flexible 2 x Braccio flessibile	243-070-30	1 x Spatelhalter 1 x Support 1 x Porta-espátula 1 x Support 1 x Supporto	243-070-31	1 x Spatelhalter 1 x Support 1 x Porta-espátula 1 x Support 1 x Supporto








Art.Nr.	Beschreibung Description	Size	Spez.
243-070-10	Spannarm Flexible arm Brazo flexible Bras flexible Braccio flessibile		
243-070-20	Fixiervorrichtung für 1 Arm zum Festschrauben am Schädel Fixation base for 1 arm at skull Fijador para 1 brazo al craneo Base de fixation pour 1 bras au crâne Fissatore per 1 braccio al cranio		
243-070-21	Fixiervorrichtung für 2 Arme zum Festschrauben am Schädel Fixation base for 2 arms at skull Fijador para 2 brazos al craneo Base de fixation pour 2 bras au crâne Fissatore per 2 bracci al cranio		
243-070-22	Fixiervorrichtung für 1 Arm zum Festschrauben am Starrarm Fixation base for 1 arm at rigid arm Fijador para 1 brazo al brazo rígido Base de fixation pour 1 bras au bras rigide Fissatore per 1 braccio al braccio rigido		
243-070-30	Halter für Spatel mit rundem Schaft Holder for spatula with round stem Soporte para espátulas con vástago redondo Support pour des spatules à fût rond Sostegno per spatole con asta rotonda		
243-070-31	Halter für flache Spatel Holder for flat spatula Soporte para espátulas llanas Support pour des spatules plates Sostegno per spatole piatte		



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
	HEIFETZ	20,0 cm; 7 7/8"	
243-130-08	8,0 mm		
243-130-11	11,0 mm		
243-130-14	14,0 mm		
243-130-17	17,0 mm		
243-130-20	20,0 mm		
	HEIFETZ	15,5 cm; 6 1/8"	
243-132-08	8,0 mm		
243-132-11	11,0 mm		
243-132-14	14,0 mm		
243-132-17	17,0 mm		
	OLIVECRONA	18,0 cm; 7"	
	konkav concave concáva concave concava		
243-136-01	7 + 9 mm		
243-136-02	11 + 13 mm		
243-136-03	15 + 18 mm		
243-136-04	19 + 21 mm		



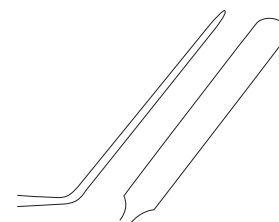
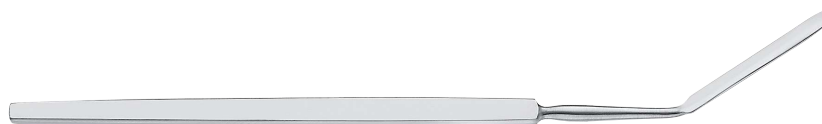
Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
	OLIVECRONA	18,0 cm; 7"	
	konvex convex convexo convexe convesso		
			
			
243-138-01	7 + 9 mm		
243-138-02	11 + 13 mm		
243-138-03	15 + 18 mm		
243-138-04	19 + 21 mm		
	biegsam malleable maleable malléable malleabile	20,0 cm; 7 7/8"	
			
243-146-12	12,0 mm		
243-146-17	17,0 mm		
	CUSHING	19,5 cm; 7 5/8"	
243-148-19	7 + 9 mm		
			
			

Nervwurzelnhaken
Nerve Root Retractors

Separadores para la raíz nervio
 Retracteurs pour racines nerveuses
 Uncini per le radici di nervi

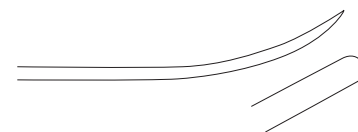


Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
243-200-20	HORSLEY	20,0 cm; 7 7/8"	



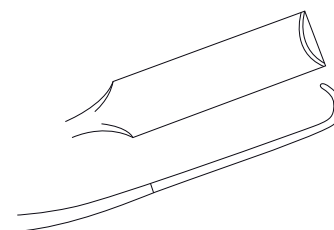
1/1

243-202-21	SACHS	21,0 cm; 8 2/8"	
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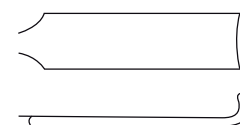
1/1

243-203-07	HOLSHER	24,0 cm; 8 2/8"	
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1/1

243-205-23	SCOVILLE	23,0 cm; 9" 8,0 mm	
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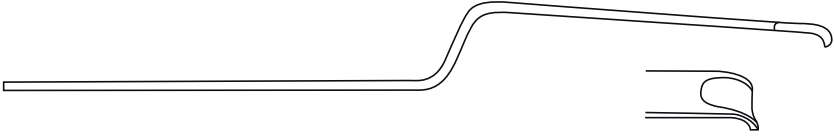

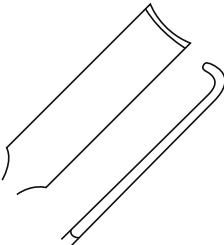


1/1

Nervwurzelnhaken
Nerve Root Retractors

Separadores para la raíz nervio
 Retracteurs pour racines nerveuses
 Uncini per le radici di nervi



Art.Nr.	Beschreibung Description	Size	Spez.
243-207-00	LOVE 	20,5 cm; 8"	
1/1			
243-207-45	LOVE 	20,5 cm; 8"	45° 
1/1			
243-207-90	LOVE 	20,5 cm; 8"	90° 
1/1			
243-208-22	LOVE 	21,0 cm; 8 2/8"	
1/1			
243-213-20	SCOVILLE 	20,0 cm; 7 7/8" 8,0 mm	
1/1			

243

Nervhaken; Haken
Nerve Hooks; Hooks

Ganchos para nervios; Ganchos
Crochets à nerfs; Crochets
Uncini per nervi; Uncini



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
243-217-17	SMITHWICK	16,5 cm; 6 4/8"	



243-217-21	SMITHWICK	21,0 cm; 8 4/8"	
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243-221-14	CUSHING	14,5 cm; 5 6/8"	
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1/1



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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SACHS

21,0 cm; 8 4/8"



243-228-21



243-230-21



1/1

243-231-15

FRAZIER

16,5 cm; 6 4/8"



1/1

OLIVECRONA



243-234-18

18,0 cm; 7 1/8"

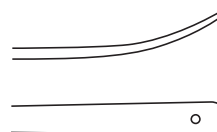
243-234-24

24,0 cm; 9 4/8"

1/1

1/1

OLIVECRONA



243-235-19

19,5 cm; 7 5/8"

243-235-24

24,0 cm; 9 4/8"

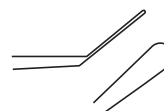
1/1

1/1

243



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
243-236-21	MILLIGAN	21,0 cm; 8 4/8"	



1/1

243-237-22		22,0 cm; 8 5/8"	
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243-238-01	TOENNIS	24,0 cm; 9 4/8"	
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243-239-24	DAVIS	24,5 cm; 9 5/8"	
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Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
PENFIELD			
243-240-01	Fig. 1 17,5 cm; 6 7/8"		
1/1			
243-240-02	Fig. 2 19,5 cm; 7 5/8"		
1/1			
243-240-03	Fig. 3 19,5 cm; 7 5/8"		
1/1			
243-240-04	Fig. 4 20,5 cm; 8 1/8"		
1/1			
243-240-05	Fig. 5 29,0 cm; 11 3/8"		
1/1			

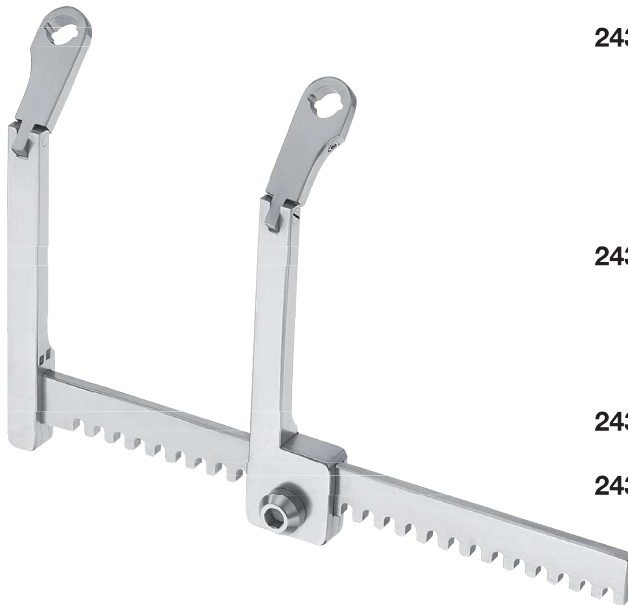
243



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

CASPAR

SET



243-350-10



243-351-38



243-352-37
:
243-352-57



243-350-00

- 243-350-01
- 243-350-10
- 243-351-38
- 243-352-37
- 243-352-43
- 243-352-47
- 243-352-52
- 243-352-57

bestehend aus:

- 1 Rahmen
- 1 Drehschlüssel
- 1 Haken 38 mm
- 1 Seitenvalve 37 x 22 mm
- 1 Seitenvalve 43 x 22 mm
- 1 Seitenvalve 47 x 22 mm
- 1 Seitenvalve 52 x 22 mm
- 1 Seitenvalve 57 x 22 mm

243-350-00

- 243-350-01
- 243-350-10
- 243-351-38
- 243-352-37
- 243-352-43
- 243-352-47
- 243-352-52
- 243-352-57

compuesto de:

- 1 Cuadro
- 1 Llave
- 1 Gancho 38 mm
- 1 Valva lateral 37 x 22 mm
- 1 Valva lateral 43 x 22 mm
- 1 Valva lateral 47 x 22 mm
- 1 Valva lateral 52 x 22 mm
- 1 Valva lateral 57 x 22 mm

243-350-00

- 243-350-01
- 243-350-10
- 243-351-38
- 243-352-37
- 243-352-43
- 243-352-47
- 243-352-52
- 243-352-57

consisting of:

- 1 Frame
- 1 Key
- 1 Hook 38 mm
- 1 Lateral blade 37 x 22 mm
- 1 Lateral blade 43 x 22 mm
- 1 Lateral blade 47 x 22 mm
- 1 Lateral blade 52 x 22 mm
- 1 Lateral blade 57 x 22 mm

243-350-00

- 243-350-01
- 243-350-10
- 243-351-38
- 243-352-37
- 243-352-43
- 243-352-47
- 243-352-52
- 243-352-57

composé de:

- 1 Cadre
- 1 Clé
- 1 Crochet 38 mm
- 1 Valve latéral 37 x 22 mm
- 1 Valve latéral 43 x 22 mm
- 1 Valve latéral 47 x 22 mm
- 1 Valve latéral 52 x 22 mm
- 1 Valve latéral 57 x 22 mm

243-350-00

- 243-350-01
- 243-350-10
- 243-351-38
- 243-352-37
- 243-352-43
- 243-352-47
- 243-352-52
- 243-352-57

composto da:

- 1 Telaio
- 1 Chiave
- 1 Uncino 38 mm
- 1 Valva laterale 37 x 22 mm
- 1 Valva laterale 43 x 22 mm
- 1 Valva laterale 47 x 22 mm
- 1 Valva laterale 52 x 22 mm
- 1 Valva laterale 57 x 22 mm



Art.Nr.	Beschreibung Description	Size	Spez.
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243-350-10	Drehschlüssel Key Llave Clé Chiave		
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CASPAR Haken
Hooks
Ganchos
Crochets
Uncini

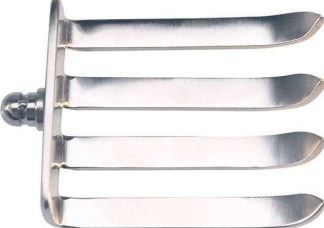
243-351-38	38,0 mm		
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243-351-58	58,0 mm		
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CASPAR

243-352-32	32 x 22 mm	
243-352-37	37 x 22 mm	
243-352-43	43 x 22 mm	
243-352-47	47 x 22 mm	
243-352-52	52 x 22 mm	
243-352-57	57 x 22 mm	
243-352-62	62 x 22 mm	
243-352-67	67 x 22 mm	

243-353-32	32 x 37 mm	
243-353-37	37 x 37 mm	
243-353-43	43 x 37 mm	
243-353-47	47 x 37 mm	
243-353-52	52 x 37 mm	
243-353-62	62 x 37 mm	
243-353-67	67 x 37 mm	

243-354-32	32 x 52 mm	
243-354-37	37 x 52 mm	
243-354-43	43 x 52 mm	
243-354-47	47 x 52 mm	
243-354-52	52 x 52 mm	
243-354-62	62 x 52 mm	
243-354-67	67 x 52 mm	

243



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

CASPAR

SET



243-361-40
⋮
243-361-60



243-363-40
⋮
243-363-60



243-360-00 **bestehend aus:**
243-360-01 1 Rahmen
243-361-40 1 Valve medial 40 x 23 mm
243-361-45 1 Valve medial 45 x 23 mm
243-361-50 1 Valve medial 50 x 23 mm
243-361-55 1 Valve medial 55 x 23 mm
243-361-60 1 Valve medial 60 x 23 mm
243-363-40 1 Valve lateral 40 x 23 mm
243-363-45 1 Valve lateral 45 x 23 mm
243-363-50 1 Valve lateral 50 x 23 mm
243-363-55 1 Valve lateral 55 x 23 mm
243-363-60 1 Valve lateral 60 x 23 mm

243-360-00 **consisting of:**
243-360-01 1 Frame
243-361-40 1 Valve medial 40 x 23 mm
243-361-45 1 Valve medial 45 x 23 mm
243-361-50 1 Valve medial 50 x 23 mm
243-361-55 1 Valve medial 55 x 23 mm
243-361-60 1 Valve medial 60 x 23 mm
243-363-40 1 Valve lateral 40 x 23 mm
243-363-45 1 Valve lateral 45 x 23 mm
243-363-50 1 Valve lateral 50 x 23 mm
243-363-55 1 Valve lateral 55 x 23 mm
243-363-60 1 Valve lateral 60 x 23 mm

243-360-00 **compuesto de:**
243-360-01 1 Cuadro
243-361-40 1 Valva medial 40 x 23 mm
243-361-45 1 Valva medial 45 x 23 mm
243-361-50 1 Valva medial 50 x 23 mm
243-361-55 1 Valva medial 55 x 23 mm
243-361-60 1 Valva medial 60 x 23 mm
243-363-40 1 Valva lateral 40 x 23 mm
243-363-45 1 Valva lateral 45 x 23 mm
243-363-50 1 Valva lateral 50 x 23 mm
243-363-55 1 Valva lateral 55 x 23 mm
243-363-60 1 Valva lateral 60 x 23 mm

243-360-00 **composé de:**
243-360-01 1 Cadre
243-361-40 1 Valve mediale 40 x 23 mm
243-361-45 1 Valve mediale 45 x 23 mm
243-361-50 1 Valve mediale 50 x 23 mm
243-361-55 1 Valve mediale 55 x 23 mm
243-361-60 1 Valve mediale 60 x 23 mm
243-363-40 1 Valve latérale 40 x 23 mm
243-363-45 1 Valve latérale 45 x 23 mm
243-363-50 1 Valve latérale 50 x 23 mm
243-363-55 1 Valve latérale 55 x 23 mm
243-363-60 1 Valve latérale 60 x 23 mm

243-360-00 **composto da:**
243-360-01 1 Telaio
243-361-40 1 Valva mediale 40 x 23 mm
243-361-45 1 Valva mediale 45 x 23 mm
243-361-50 1 Valva mediale 50 x 23 mm
243-361-55 1 Valva mediale 55 x 23 mm
243-361-60 1 Valva mediale 60 x 23 mm
243-363-40 1 Valva laterale 40 x 23 mm
243-363-45 1 Valva laterale 45 x 23 mm
243-363-50 1 Valva laterale 50 x 23 mm
243-363-55 1 Valva laterale 55 x 23 mm
243-363-60 1 Valva laterale 60 x 23 mm

Cervicalspreizer Cervical Retractors

Separadores cervicales
Ecarteur de tissu cervical
Divaricatori cervicale



Art.Nr.	Beschreibung Description	Size	Spez.
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CASPAR

medial | medial | medial | medial | mediale

- 243-361-40 40 x 23 mm
- 243-361-45 45 x 23 mm
- 243-361-50 50 x 23 mm
- 243-361-55 55 x 23 mm
- 243-361-60 60 x 23 mm



CASPAR

lateral | lateral | lateral | latéral | laterale

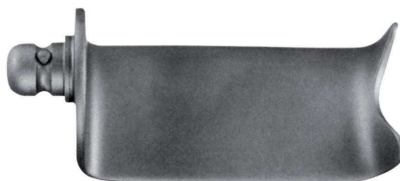
- 243-363-40 40 x 23 mm
- 243-363-45 45 x 23 mm
- 243-363-50 50 x 23 mm
- 243-363-55 55 x 23 mm
- 243-363-60 60 x 23 mm



CASPAR

stumpf | blunt | romo | mousse | smusso

- 243-365-40 40 x 23 mm
- 243-365-45 45 x 23 mm
- 243-365-50 50 x 23 mm
- 243-365-55 55 x 23 mm
- 243-365-60 60 x 23 mm
- 243-365-65 65 x 23 mm



CASPAR

stumpf | blunt | romo | mousse | smusso

- 243-367-50 50 x 25 mm
- 243-367-60 60 x 25 mm



243

Cervicalspreizer
Cervical Retractors

Separadores cervicales
Ecarteur de tissu cervical
Divaricatori cervicale



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

243-368-12 **Pinzette zum Valvenwechseln**
Forceps for changing blades
Pinza para cambiar las valvas
Pince pour le changement des valves
Pinza per cambiare le valve



CASPAR

10,5 cm; 4 1/8"

SET



243-365-45
243-365-65



243-370-00 **bestehend aus:**
243-370-01 1 Sperrer
243-365-45 1 Valve stumpf 45 x 23 mm
243-365-50 1 Valve stumpf 50 x 23 mm
243-365-55 1 Valve stumpf 55 x 23 mm
243-365-60 1 Valve stumpf 60 x 23 mm
243-365-65 1 Valve stumpf 65 x 23 mm

243-370-00 **consisting of:**
243-370-01 1 Spreader
243-365-45 1 Valve blunt 45 x 23 mm
243-365-50 1 Valve blunt 50 x 23 mm
243-365-55 1 Valve blunt 55 x 23 mm
243-365-60 1 Valve blunt 60 x 23 mm
243-365-65 1 Valve blunt 65 x 23 mm

243-370-00 **compuesto de:**
243-370-01 1 Separador
243-365-45 1 Valva romo 45 x 23 mm
243-365-50 1 Valva romo 50 x 23 mm
243-365-55 1 Valva romo 55 x 23 mm
243-365-60 1 Valva romo 60 x 23 mm
243-365-65 1 Valva romo 65 x 23 mm

243-370-00 **composé de:**
243-370-01 1 Écarteur
243-365-45 1 Valve mousse 45 x 23 mm
243-365-50 1 Valve mousse 50 x 23 mm
243-365-55 1 Valve mousse 55 x 23 mm
243-365-60 1 Valve mousse 60 x 23 mm
243-365-65 1 Valve mousse 65 x 23 mm

243-370-00 **composto da:**
243-370-01 1 Divaricatore
243-365-45 1 Valva smusso 45 x 23 mm
243-365-50 1 Valva smusso 50 x 23 mm
243-365-55 1 Valva smusso 55 x 23 mm
243-365-60 1 Valva smusso 60 x 23 mm
243-365-65 1 Valva smusso 65 x 23 mm

243

Cervicalspreizer
Cervical Retractor

Separador cervical
Ecarteur de tissu cervical
Divaricatori cervicale



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

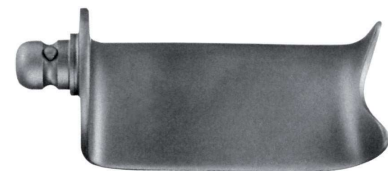
CASPAR

16,5 cm; 6 1/2"

SET



243-365-50
⋮
243-365-65



243-380-00 **bestehend aus:**
243-380-01 1 Sperrer
243-365-45 1 Valve stumpf 45 x 23 mm
243-365-50 1 Valve stumpf 50 x 23 mm
243-365-55 1 Valve stumpf 55 x 23 mm
243-365-60 1 Valve stumpf 60 x 23 mm
243-365-65 1 Valve stumpf 65 x 23 mm

243-380-00 **consisting of:**
243-380-01 1 Spreader
243-365-45 1 Valve blunt 45 x 23 mm
243-365-50 1 Valve blunt 50 x 23 mm
243-365-55 1 Valve blunt 55 x 23 mm
243-365-60 1 Valve blunt 60 x 23 mm
243-365-65 1 Valve blunt 65 x 23 mm

243-380-00 **compuesto de:**
243-380-01 1 Separador
243-365-45 1 Valva romo 45 x 23 mm
243-365-50 1 Valva romo 50 x 23 mm
243-365-55 1 Valva romo 55 x 23 mm
243-365-60 1 Valva romo 60 x 23 mm
243-365-65 1 Valva romo 65 x 23 mm

243-380-00 **composé de:**
243-380-01 1 Écarteur
243-365-45 1 Valve mousse 45 x 23 mm
243-365-50 1 Valve mousse 50 x 23 mm
243-365-55 1 Valve mousse 55 x 23 mm
243-365-60 1 Valve mousse 60 x 23 mm
243-365-65 1 Valve mousse 65 x 23 mm

243-380-00 **composto da:**
243-380-01 1 Divaricatore
243-365-45 1 Valva smusso 45 x 23 mm
243-365-50 1 Valva smusso 50 x 23 mm
243-365-55 1 Valva smusso 55 x 23 mm
243-365-60 1 Valva smusso 60 x 23 mm
243-365-65 1 Valva smusso 65 x 23 mm

243

Lumbalwundspreizer
Lumbar Retractors

Separadores lumbales autoestáticos
Ecarteurs autostatiques lombaires
Divaricatori autostatici lombari



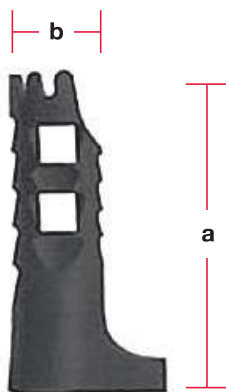
Art.Nr.	Beschreibung Description	Size	Spez.
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CASPAR

15,0 cm; 6"



243-390-40	40 x 18 mm (a x b)	243-390-45	45 x 18 mm	243-390-50	50 x 18 mm
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243-390-55	55 x 18 mm	243-390-60	60 x 18 mm
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Art.Nr. **Beschreibung | Description** **Size** **Spez.**

CASPAR



SET

243-410-00

bestehend aus:

- 243-410-01 1 Rahmen
- 243-413-35 1 Seitenvalve 35 x 12 mm
- 243-413-40 1 Seitenvalve 40 x 13 mm
- 243-413-45 1 Seitenvalve 45 x 13 mm
- 243-413-50 1 Seitenvalve 50 x 14 mm
- 243-413-55 1 Seitenvalve 55 x 14 mm
- 243-413-60 1 Seitenvalve 60 x 15 mm

243-410-00

compuesto de:

- 243-410-01 1 Cuadro
- 243-413-35 1 Valva lateral 35 x 12 mm
- 243-413-40 1 Valva lateral 40 x 13 mm
- 243-413-45 1 Valva lateral 45 x 13 mm
- 243-413-50 1 Valva lateral 50 x 14 mm
- 243-413-55 1 Valva lateral 55 x 14 mm
- 243-413-60 1 Valva lateral 60 x 15 mm

243-410-00

composé de:

- 243-410-01 1 Cadre
- 243-413-35 1 Valve latéral 35 x 12 mm
- 243-413-40 1 Valve latéral 40 x 13 mm
- 243-413-45 1 Valve latéral 45 x 13 mm
- 243-413-50 1 Valve latéral 50 x 14 mm
- 243-413-55 1 Valve latéral 55 x 14 mm
- 243-413-60 1 Valve latéral 60 x 15 mm

243-410-00

consisting of:

- 243-410-01 1 Frame
- 243-413-35 1 Lateral blade 35 x 12 mm
- 243-413-40 1 Lateral blade 40 x 13 mm
- 243-413-45 1 Lateral blade 45 x 13 mm
- 243-413-50 1 Lateral blade 50 x 14 mm
- 243-413-55 1 Lateral blade 55 x 14 mm
- 243-413-60 1 Lateral blade 60 x 15 mm

243-410-00

composto da:

- 243-410-01 1 Telaio
- 243-413-35 1 Valva laterale 35 x 12 mm
- 243-413-40 1 Valva laterale 40 x 13 mm
- 243-413-45 1 Valva laterale 45 x 13 mm
- 243-413-50 1 Valva laterale 50 x 14 mm
- 243-413-55 1 Valva laterale 55 x 14 mm
- 243-413-60 1 Valva laterale 60 x 15 mm

CASPAR

lateral | lateral | lateral | latéral | lateral

243-413-35	35 x 12 mm	243-413-50	50 x 14 mm
243-413-40	40 x 13 mm	243-413-55	55 x 14 mm
243-413-45	45 x 13 mm	243-413-60	60 x 15 mm



medial | medial | medial | medial | medial

243-414-35	35 x 12 mm	243-414-50	50 x 14 mm
243-414-40	40 x 13 mm	243-414-55	55 x 14 mm
243-414-45	45 x 13 mm	243-414-60	60 x 15 mm



243



Art.Nr. Beschreibung | Description Size Spez.

SCOVILLE

SET



243-415-00
243-415-01
243-421-50
243-423-01

bestehend aus:

1 Rahmen
1 Haken 50 mm
1 Seitenvalve 63 x 25 mm

243-415-00
243-415-01
243-421-50
243-423-01

compuesto de:

1 Cuadro
1 Gancho 50 mm
1 Valva lateral 63 x 25 mm

243-415-00
243-415-01
243-421-50
243-423-01

consisting of:

1 Frame
1 Hooks 50 mm
1 Lateral blade 63 x 25 mm

243-415-00
243-415-01
243-421-50
243-423-01

composé de:

1 Cadre
1 Crochet 50 mm
1 Valve latéral 63 x 25 mm

243-415-00
243-415-01
243-421-50
243-423-01

composto da:

1 Telaio
1 Uncino 50 mm
1 Valva laterale 63 x 25 mm

SCOVILLE-HAVERFIELD

mit Gelenkarmen
with articulated arms
con brazos articulados
avec bras articulés
con braccio articolato

SET



243-420-00
243-420-01
243-421-50
243-423-01

bestehend aus:

1 Rahmen
1 Haken 50 mm
1 Seitenvalve 63 x 25 mm

243-420-00
243-420-01
243-421-50
243-423-01

compuesto de:

1 Cuadro
1 Gancho 50 mm
1 Valva lateral 63 x 25 mm

243-420-00
243-420-01
243-421-50
243-423-01

consisting of:

1 Frame
1 Hook 50 mm
1 Lateral blades 63 x 25 mm

243-420-00
243-420-01
243-421-50
243-423-01

composé de:

1 Cadre
1 Crochet 50 mm
1 Valve latéral 63 x 25 mm






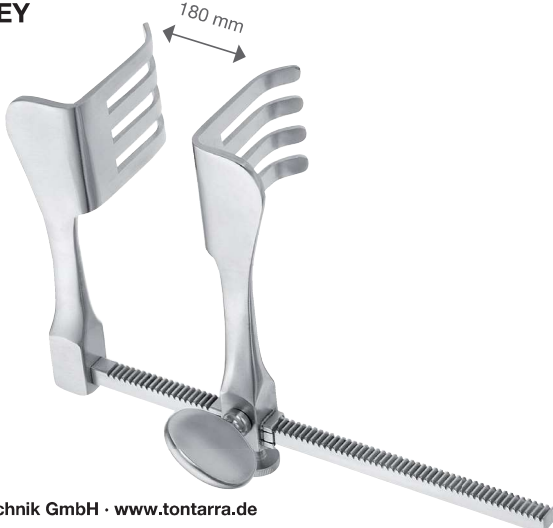
243-420-00
243-420-01
243-421-50
243-423-01

composto da:

1 Telaio
1 Uncino 50 mm
1 Valva laterale 63 x 25 mm

243



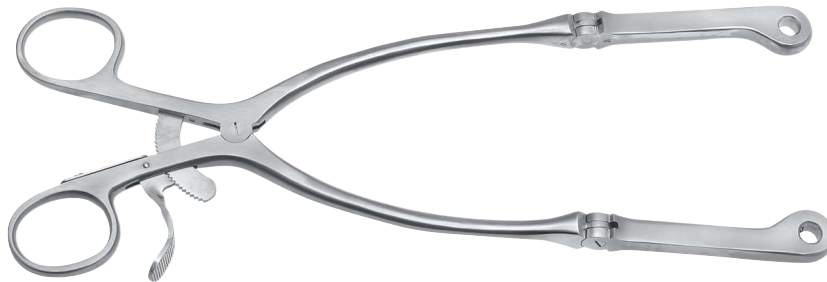
Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
	SCOVILLE		
243-421-50	50,0 mm 		
243-421-75	75,0 mm		
	SCOVILLE		
243-422-50	50,0 mm 		
243-422-75	75,0 mm		
	SCOVILLE		
243-423-01	63 x 25 mm 		
243-423-02	63 x 51 mm		
243-423-03	67 x 32 mm		
	TAYLOR		
243-425-03	47 x 37 mm 		
243-425-04	63 x 51 mm		
	TAYLOR		
243-427-01	48 x 50 mm 		
243-427-03	64 x 63 mm		
243-427-04	80 x 57 mm		
243-450-00	BADGLEY 	52 x 44 mm	

Cervicalspreizer
Cervical Retractor

Separador cervical
Ecarteur de tissu cervical
Divaricatori cervicale



Art.Nr.	Beschreibung Description	Size	Spez.
	CLOWARD	25,0 cm; 10"	SET



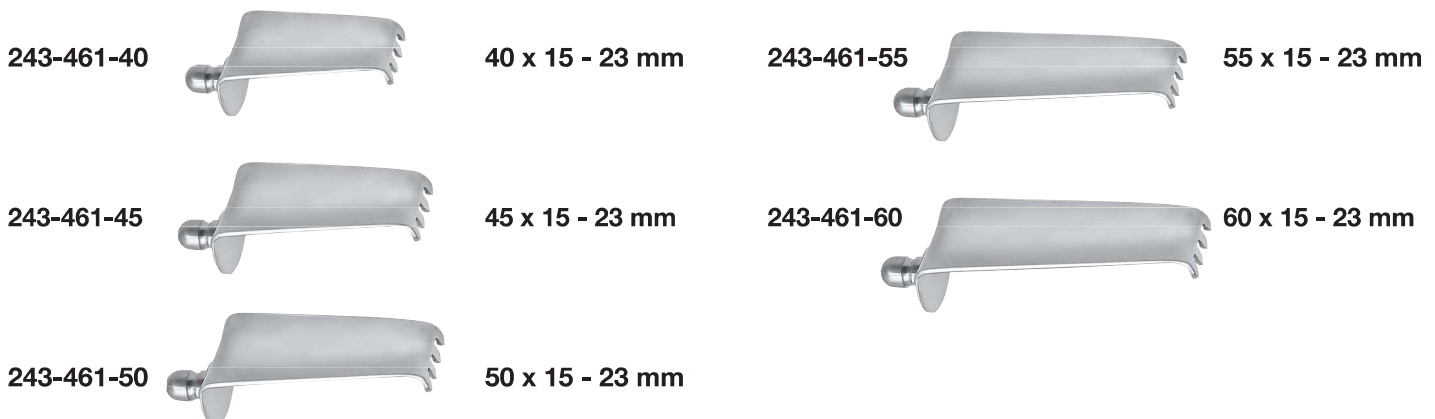
243-460-00 bestehend aus:
 243-460-01 1 Sperrer
 243-461-40 1 gezahnte Seitenvalve 40 x 15 - 23 mm
 243-461-45 1 gezahnte Seitenvalve 45 x 15 - 23 mm
 243-461-50 1 gezahnte Seitenvalve 50 x 15 - 23 mm
 243-461-55 1 gezahnte Seitenvalve 55 x 15 - 23 mm
 243-461-60 1 gezahnte Seitenvalve 60 x 15 - 23 mm

243-460-00 consisting of:
 243-460-01 1 Spreader
 243-461-40 1 lateral valve serrated 40 x 15 - 23 mm
 243-461-45 1 lateral valve serrated 45 x 15 - 23 mm
 243-461-50 1 lateral valve serrated 50 x 15 - 23 mm
 243-461-55 1 lateral valve serrated 55 x 15 - 23 mm
 243-461-60 1 lateral valve serrated 60 x 15 - 23 mm

243-460-00 compuesto de:
 243-460-01 1 Separador
 243-461-40 1 valva lateral dentada 40 x 15 - 23 mm
 243-461-45 1 valva lateral dentada 45 x 15 - 23 mm
 243-461-50 1 valva lateral dentada 50 x 15 - 23 mm
 243-461-55 1 valva lateral dentada 55 x 15 - 23 mm
 243-461-60 1 valva lateral dentada 60 x 15 - 23 mm

243-460-00 composé de:
 243-460-01 1 Écarteur
 243-461-40 1 valve latérale dentelée 40 x 15 - 23 mm
 243-461-45 1 valve latérale dentelée 45 x 15 - 23 mm
 243-461-50 1 valve latérale dentelée 50 x 15 - 23 mm
 243-461-55 1 valve latérale dentelée 55 x 15 - 23 mm
 243-461-60 1 valve latérale dentelée 60 x 15 - 23 mm

243-460-00 composto da:
 243-460-01 1 Divaricatore
 243-461-40 1 valva laterale dentellata 40 x 15 - 23 mm
 243-461-45 1 valva laterale dentellata 45 x 15 - 23 mm
 243-461-50 1 valva laterale dentellata 50 x 15 - 23 mm
 243-461-55 1 valva laterale dentellata 55 x 15 - 23 mm
 243-461-60 1 valva laterale dentellata 60 x 15 - 23 mm



Cervicalspreizer
Cervical Retractor

Separador cervical
Ecarteur de tissu cervical
Divaricatori cervicale



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

CLOWARD

15,0 cm; 5 1/8"

SET



243-465-00

- 243-465-01
- 243-462-40
- 243-462-45
- 243-462-50
- 243-462-55
- 243-462-60

bestehend aus:

- 1 Sperrer
- 1 stumpfe Seitenvalve 40 x 15 - 23 mm
- 1 stumpfe Seitenvalve 45 x 15 - 23 mm
- 1 stumpfe Seitenvalve 50 x 15 - 23 mm
- 1 stumpfe Seitenvalve 55 x 15 - 23 mm
- 1 stumpfe Seitenvalve 60 x 15 - 23 mm

243-465-00

- 243-465-01
- 243-462-40
- 243-462-45
- 243-462-50
- 243-462-55
- 243-462-60

compuesto de:

- 1 Separador
- 1 valva lateral roma 40 x 15 - 23 mm
- 1 valva lateral roma 45 x 15 - 23 mm
- 1 valva lateral roma 50 x 15 - 23 mm
- 1 valva lateral roma 55 x 15 - 23 mm
- 1 valva lateral roma 60 x 15 - 23 mm

243-465-00

- 243-465-01
- 243-462-40
- 243-462-45
- 243-462-50
- 243-462-55
- 243-462-60

consisting of:

- 1 Spreader
- 1 lateral valve blunt 40 x 15 - 23 mm
- 1 lateral valve blunt 45 x 15 - 23 mm
- 1 lateral valve blunt 50 x 15 - 23 mm
- 1 lateral valve blunt 55 x 15 - 23 mm
- 1 lateral valve blunt 60 x 15 - 23 mm

243-465-00

- 243-465-01
- 243-462-40
- 243-462-45
- 243-462-50
- 243-462-55
- 243-462-60

composé de:

- 1 Écarteur
- 1 valve latérale mousse 40 x 15 - 23 mm
- 1 valve latérale mousse 45 x 15 - 23 mm
- 1 valve latérale mousse 50 x 15 - 23 mm
- 1 valve latérale mousse 55 x 15 - 23 mm
- 1 valve latérale mousse 60 x 15 - 23 mm

243-465-00

- 243-465-01
- 243-462-40
- 243-462-45
- 243-462-50
- 243-462-55
- 243-462-60

composto da:

- 1 Divaricatore
- 1 valva laterale smussa 40 x 15 - 23 mm
- 1 valva laterale smussa 45 x 15 - 23 mm
- 1 valva laterale smussa 50 x 15 - 23 mm
- 1 valva laterale smussa 55 x 15 - 23 mm
- 1 valva laterale smussa 60 x 15 - 23 mm

243-462-40



40 x 15 - 23 mm

243-462-55



55 x 15 - 23 mm

243-462-45



45 x 15 - 23 mm

243-462-60



60 x 15 - 23 mm



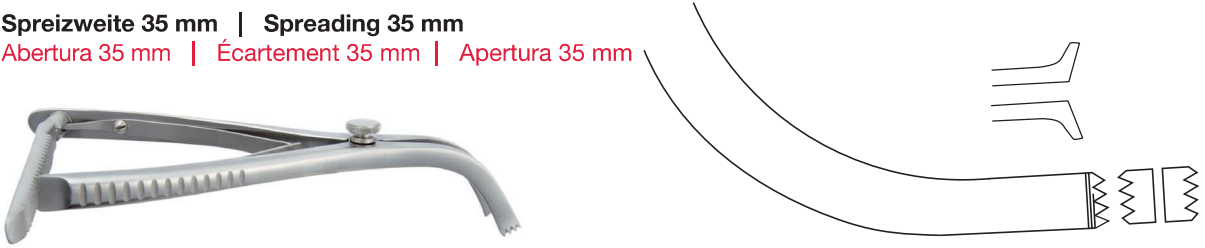

243-462-50



50 x 15 - 23 mm

243



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
243-473-13	CLOWARD Spreizweite 18 mm Spreading 18 mm Abertura 18 mm Écartement 18 mm Apertura 18 mm	15,0 cm; 5 7/8"	
1/1			
243-482-16	CLOWARD Spreizweite 18 mm Spreading 18 mm Abertura 18 mm Écartement 18 mm Apertura 18 mm	16,0 cm; 6 2/8"	
1/1			
243-497-17	INGE Spreizweite 35 mm Spreading 35 mm Abertura 35 mm Écartement 35 mm Apertura 35 mm	16,0 cm; 6 2/8"	
1/1			
243-498-27	INGE Spreizweite 70 mm Spreading 70 mm Abertura 70 mm Écartement 70 mm Apertura 70 mm	25,5 cm; 10"	
1/1			

Mikro-Pinzetten; Tumorfasspinzetten
Micro Forceps; Tumor Grasping Forceps

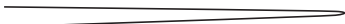





Micro-Pinzas; Pinzas para agarrar tumores
 Micro-Pinces; Pinces pour saisir des tumeurs
 Micro-Pinze; Pinze da presa per tumori



Art.Nr. Beschreibung | Description Size Spez.

YASARGIL





243-510-18	18,0 cm; 7 1/8"		
243-510-20	20,0 cm; 7 7/8"		0,6 mm
243-510-22	22,0 cm; 8 5/8"		
243-510-24	24,0 cm; 9 4/8"		
243-512-18	18,0 cm; 7 1/8"		
243-512-20	20,0 cm; 7 7/8"		0,9 mm
243-512-22	22,0 cm; 8 5/8"		
243-512-24	24,0 cm; 9 4/8"		
243-515-18	18,0 cm; 7 1/8"		 1 x 2



YASARGIL




22,0 cm; 8 5/8"

243-520-03		Ø 3,0 mm
243-520-05		Ø 5,0 mm

1/1

YASARGIL-SAMII

24,0 cm; 9 4/8"

243-522-03		Ø 3,0 mm
243-522-05		Ø 5,0 mm
243-522-07		Ø 7,0 mm

1/1

Tumorfasspinzetten
Tumor Grasping Forceps

Pinzas para agarrar tumores
 Pinces pour saisir des tumeurs
 Pinze da presa per tumori



Art.Nr.	Beschreibung Description	Size	Spez.
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YASARGIL

22,0 cm; 8 5/8"

243-524-03		Ø 3,0 mm
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243-524-05		Ø 5,0 mm
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1/1

YASARGIL-SAMII

22,0 cm; 8 5/8"

243-526-03		Ø 3,0 mm
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243-526-05		Ø 5,0 mm
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1/1

SAMII

23,0 cm; 9"



243-527-03		Ø 3,0 mm
------------	--	----------

243-527-04		Ø 4,0 mm
------------	--	----------

243-527-05		Ø 5,0 mm
------------	--	----------

1/1

243-529-03		Ø 3,0 mm
------------	--	----------

243-529-04		Ø 4,0 mm
------------	--	----------

243-529-05		Ø 5,0 mm
------------	--	----------

1/1

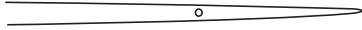
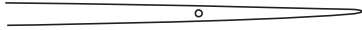
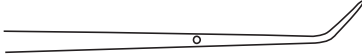
Mikro-Knüpfpinzetten
Micro Suture Tying Forceps

Micro-Pinzas para enlazar
 Micro-Pinces pour nouer le fil
 Micro-Pinze per annadore fili




Art.Nr.	Beschreibung Description	Size	Spez.
		18,5 cm; 7 2/8"	






243-516-03		0,3 mm
243-516-06		0,6 mm
243-517-06		0,6 mm



1/1



243-550-12	12,0 cm; 4 6/8"		
243-550-15	15,0 cm; 5 7/8"		0,3 mm
243-550-18	18,0 cm; 7 1/8"		
243-550-21	21,0 cm; 8 2/8"		

243-551-12	12,0 cm; 4 6/8"		
243-551-15	15,0 cm; 5 7/8"		0,3 mm
243-551-18	18,0 cm; 7 1/8"		
243-551-21	21,0 cm; 8 2/8"		

243-560-12	12,0 cm; 4 6/8"		0,3 mm		1 x 2
243-560-15	15,0 cm; 5 7/8"				
243-560-18	18,0 cm; 7 1/8"				

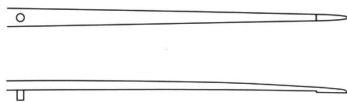
243-561-12	12,0 cm; 4,8"		0,3 mm		1 x 2
243-561-15	15,0 cm; 5 7/8"				
243-561-18	18,0 cm; 7 1/8"				

Mikro-Knüpfpinzetten
Micro Suture Tying Forceps

Micro-Pinza para enlazar
 Micro-Pinces pour nouer le fil
 Micro-Pinze per annadore fili



Art.Nr.	Beschreibung Description	Size	Spez.
243-570-23		23,0 cm; 9"	



0,6 mm

AUSTIN

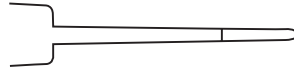


243-572-14	14,0 cm; 5 4/8"		
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0,8 mm

243-572-18	18,0 cm; 7 1/8"		
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0,8 mm

1/1

243-574-12		12,0 cm; 4 6/8"	
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0,3 mm

1/1

243-576-13		13,5 cm; 5 3/8"	
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WISE



0,3 mm

1/1

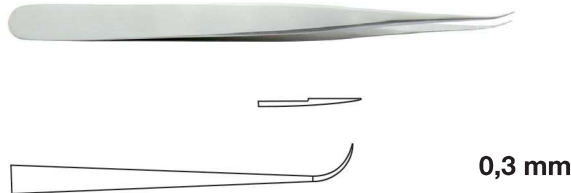
Mikro-Knüpfpinzetten
Micro Suture Tying Forceps

Micro-Pinza para enlazar
Micro-Pinces pour nouer le fil
Micro-Pinze per annadore fili



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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243-577-13 **WISE** 13,5 cm; 5 3/8



1/1

LAZAR 15,5 cm; 6 1/8"



243-578-05 0,5 mm

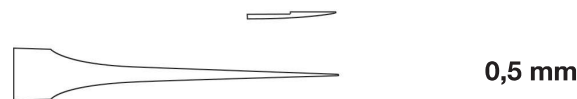


243-578-08 0,8 mm



1/1

243-580-18 18,5 cm; 7 2/8"








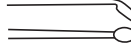
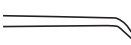
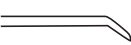
1/1

243



Art.Nr.	Beschreibung Description	Size	Spez.
		23,0 cm; 9"	






243-620-01	halbscharf semi-sharp semi-agudo semi-pointu semi-acuto	
243-620-02	stumpf blunt romo mousse smusso	
243-621-01	Dissektor Dissector Disecador Dissecteur Dissetto	
243-621-02	Dissektor Dissector Disecador Dissecteur Dissetto	
243-622-01	Löffel Scoop Cucharilla Cuillère Cucchiaio	
243-622-02	Löffel Scoop Cucharilla Cuillère Cucchiaio	
243-623-01	Fig. 1 Raspatorium Periosteal elevator Legra Rugine-raspatoire Raspatore	
243-623-02	Fig. 2 Raspatorium Periosteal elevator Legra Rugine-raspatoire Raspatore	

1/1

23,0 cm; 9"



	Dissektor Dissector Disecador Dissecteur Dissetto	
243-635-01		
243-635-02		
243-635-03	Raspatorium Periosteal elevator Legra Rugine-raspatoire Raspatore	

1/1



Art.Nr.	Beschreibung Description	Size	Spez.
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CASPAR Explorationshaken; isoliert
 Exploration hook; insulated
 Ganchos para exploración; aislados
 Crochet pour exploration; isolé
 Uncini per esplorazione; isolati

25,0 cm; 10"



243-644-01 Fig. 1

243-644-02 Fig. 2

243-644-03 Fig. 3

243-644-04 Fig. 4

1/1

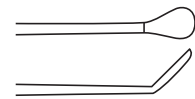
YASARGIL

18,5 cm; 7 2/8"



243-660-01 1,0 mm

243-660-03 Ø 4,0 mm



243-660-02 2,5 mm

243-660-04 Ø 2,5 mm



243-660-05 Ø 3,0 mm


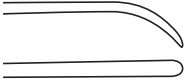
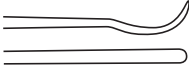




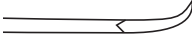
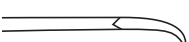





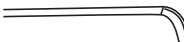



1/1

1/1

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Art.Nr.	Beschreibung Description	Size	Spez.
	YASARGIL	18,5 cm; 7 2/8"	
			
243-661-01		243-661-03	
243-661-02			
1/1	1/1		
243-663-19	YASARGIL	18,5 cm; 7 2/8"	
			
1/1			
	KOOS	18,5 cm; 7 2/8"	
			
243-665-01		243-665-02	
243-667-01		243-667-02	
243-669-01		243-669-02	
1/1	1/1		
	YASARGIL	18,5 cm; 7 2/8"	
			
243-673-01		243-673-02	
1/1	1/1		



Art.Nr.	Beschreibung Description	Size	Spez.
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JACOBSON

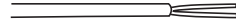
18,5 cm; 7 2/8"



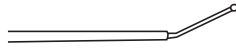
243-676-19



243-677-02



243-677-01



243-679-18



1/1

1/1

YASARGIL Fadenführer; geknüpft
 Ligature guide and carrier; pointed
 Guía-ligadura; abotonada
 Guide conducteur; boutonnée
 Guida per legatura; bottonuta

18,5 cm; 7 2/8"



243-685-01

Fig. 1



243-685-03

Fig. 3



243-685-02

Fig. 2



243-685-04

Fig. 4



1/1

1/1

243-687-19

Gewebekralle
Tissue claw

Garra para el tejido
 Griffe pour tissu
 Graffa per tessuto

18,5 cm; 7 2/8"



Ø 1,5 mm

1/1

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Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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243-730-22	YASARGIL	18,0 cm; 7 1/8"	
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 Ø 2,2 mm

1/1

CASPAR

25,0 cm; 9 7/8"



243-800-04



4,0 mm

243-800-05



5,0 mm

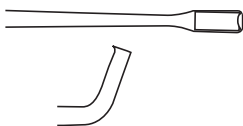
1/1

1/1

CASPAR

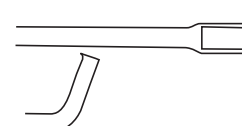


243-801-03



3,0 mm

243-801-04



4,0 mm

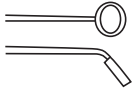
1/1

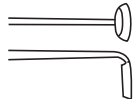
1/1



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
	RAY	18,5cm; 7 2/8"	



243-810-04  Ø 4,0 mm; 45°

243-812-04  Ø 4,0 mm; 90°

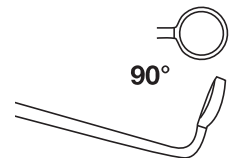
243-813-04  Ø 4,0 mm; 45°

1/1

1/1

HARDY

18,5 cm; 7 2/8"



243-818-04 Ø 4,0 mm

243-818-06 Ø 6,0 mm

1/1

243



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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24,5 cm; 9 5/8"



HARDY

243-830-01 stumpf | blunt | romo | mousse | smusso



243-830-02 stumpf | blunt | romo | mousse | smusso



243-832-01 scharf | sharp | agudo | pointu | acuto



243-832-02 scharf | sharp | agudo | pointu | acuto



1/1

HARDY-FAHLBUSCH

243-840-01 scharf | sharp | agudo | pointu | acuto



243-840-02 scharf | sharp | agudo | pointu | acuto



1/1

243-836-24 **HARDY**

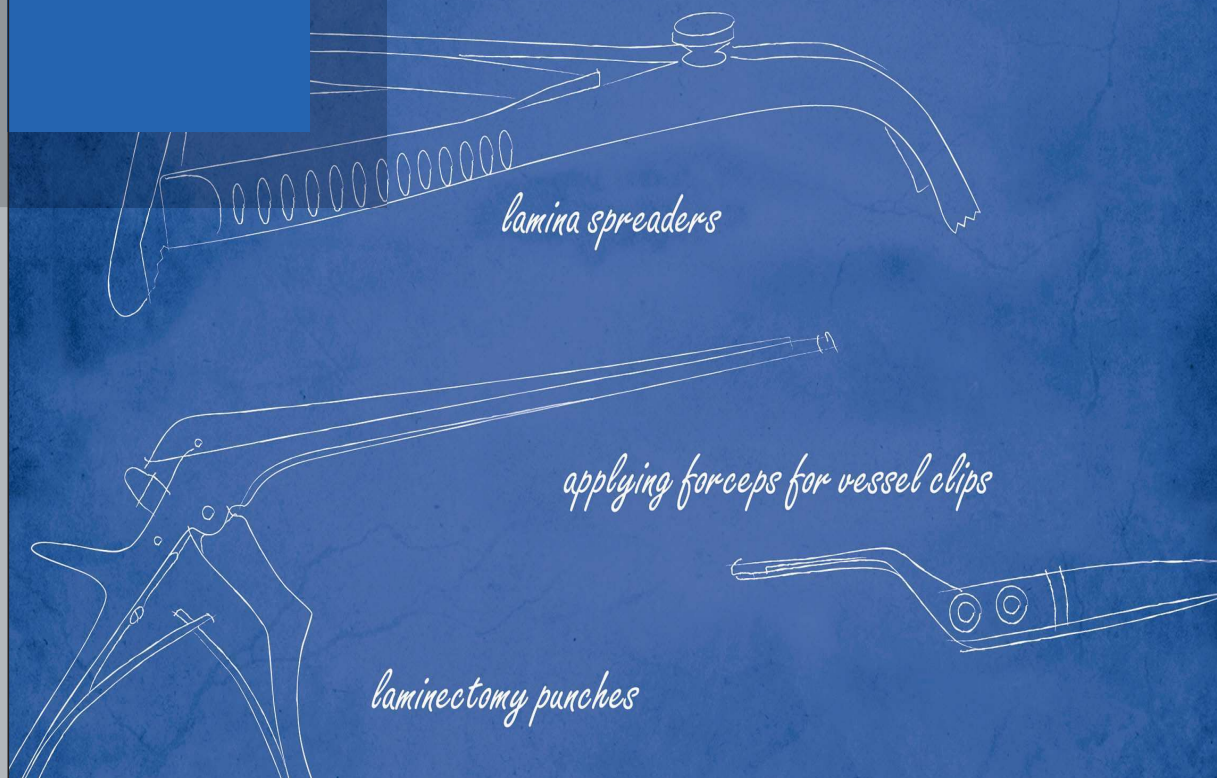


1/1

243



OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches





Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglianti per laminectomia

244



Art.Nr.	Beschreibung Description	Size	Spez.
	MC KENZIE 		
244-161-15	15,0 cm; 5 7/8" 		
244-166-14	OLIVECRONA-TOENNIS 	14,0 cm; 5 4/8"	

1/1

Clips und Anlegezangen; Haken
Clips and Applying Forceps; Hooks

Grapas y pinzas aplicadoras; ganchos
Agrafes et pinces pour appliquer; rochets
Agrafes e pinze per applicare; uncini



Art.Nr.	Beschreibung Description	Size	Spez.
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244-180-16	RANEY	Anlege- und Abnehmzange Applying/removal forceps	15,5 cm; 6"
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Pinza para aplicar y quitar agrafes
Pince pour appliquer et enlever les clips hémostatiques du cuir
Pinza per applicare e togliere le agrafe emostatiche al cuoio capelluto

244-181-00	RANEY	Hautklammern Packung á 12 Stück Clip in packages of 12 pieces
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Grapa para cuero cabelludo en paquetes de 12 piezas
Agrafes pour cuir chevelu paquet á 12 pièces
Pinze perilcuoio capelluto in confezioni da 12 pezzi



YASARGIL



244-185-31	7,0 mm	30,0 cm; 11 6/8"
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244-185-41	9,0 mm	41,0 cm; 16 1/8"
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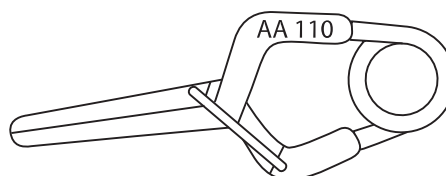


Art.Nr.	Beschreibung Description	Size	Spez.
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Material
Material

Implantatstahl / Implant Steel:
 1.4441 / DIN ISO 17443

Titan / Titanium:
 Ti 6Al 4V / DIN ISO 5832-3



Für beide Materialien treffen folgende Eigenschaften zu:

- Hohe Festigkeit
- Sehr gute Gewebeverträglichkeit
- Sicherer Verschluss der Gefäße
- Antimagnetisch
- Bestens geeignet als Implantatwerkstoff
- Sicherheit gegen Überbeanspruchung

For both materials, the following qualities apply:

- High mechanical solidity
- Excellent tissue compatibility
- Secure lock of the vessels
- Nonmagnetic
- Suitable perfectly as a implant material
- Safety against overstrain

Beispiel / Example

244-400-07	Implantatstahl / Implant Steel
244-400-07T	Titanium

Verpackung - Etikett
Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der Lieferung nachfolgend aufgeführten Yasargil Clips. Sie erhalten das Labeling des Originalherstellers. Jeder Clip wird einzeln verpackt. Die Verpackung erfolgt in Klarsicht-Boxen aus Hartplastik. Die Klarsicht-Box wird mit einem Etikett (Label) versehen. Dieses Etikett sichert eine schnelle und sichere Identifikation des Clips.

Each Clip is individually packaged in a transparent box made of resistant plastic. The transparent box is marked with a label in order to assure a quick and sure identification of the clip. Tontarra Medizintechnik GmbH is not the manufacturer of the following illustrated Yasargil clips. You will receive the product with the labeling of the original manufacturer.

Auf dem Etikett sind folgende

Daten aufgedruckt:

- Katalognummer
- Produktbezeichnung
- Illustration
- Schließkraft in Gramm (g)
- Toleranz der Schließkraft
- Maullänge
- Maximale Öffnungsweite
- Maulgeometrie
- Seriennummer (SN)
- Maulprofil
- Materialbeschreibung
- Lot Nummer
- Vermerk "NOT STERILE"
- WARNUNG

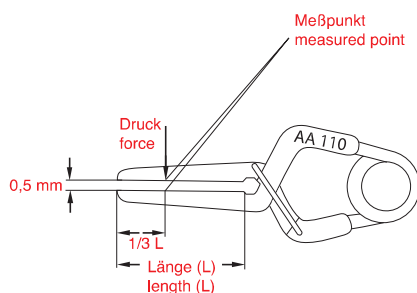
On the label you can find the following data:

- Catalogue number
- Product description
- Illustration
- Closing force in grams (g)
- Tolerance range of closing force
- Blade length
- Maximum opening
- Blade geometry
- Serial number (SN)
- Jaw profile
- Material description
- Lot number
- the note "NOT STERILE"
- WARNING



Art.Nr. Beschreibung | Description Size Spez.

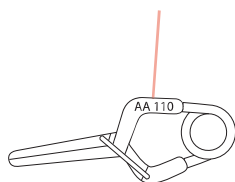
Schließkraft Closing Force



- Die Schließkraft wird bei einem Drittel der Maullänge und 0,5 mm Öffnung gemessen.
- Die Endkontrolle der Clips wird mit einer computergesteuerten Meßanlage durchgeführt.
- Die Schließkraft wird exakt innerhalb einer bestimmten Toleranz angegeben.
- Ein Computerprogramm stellt sicher, daß nur Clips mit einer zuvor fixierten Schließkraft zur Auslieferung kommen. Eine Manipulation ist ausgeschlossen.
- Während des Kontrollvorgangs werden alle relevanten technischen Daten gespeichert und auf dem Etikett ausgedruckt.

- The closing force is measured at one third of the jaw length and an opening of 0,5 mm.
- The final quality control of the clip is effected by a microprocessor-controlled measuring equipment.
- The closing force is indicated exactly within a certain tolerance.
- With the help of a special software program we assure that before the clip passes the final quality control, its closure force is fixed. As a consequently we exclude any kind of manipulation.
- All relevant technical data are stored during the control procedure and printed on the label.

Seriennummer Serial Number



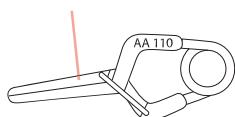
Jeder Clip erhält eine individuelle Seriennummer, durch Laserbeschriftung, welche eine **Rückverfolgbarkeit des gesamten Herstellungsprozesses, der Schließkraft und der Charge** gewährleistet.

Each Clip is coded with an individual serial number marked by laser technology.
The serial number guarantees a **detailed follow-up of the whole production process, the closure force and from raw material to the final product.**



Art.Nr.	Beschreibung Description	Size	Spez.
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**Maulprofil
Jaw Profile**



- Die abgerundete, pyramidenähnliche Struktur wird durch einen speziellen Fertigungsschritt in das Maul geprägt und vermeidet scharfe Kanten, die ein Aneurysma perforieren könnten.
 - Zusätzliches Abrunden der an der Clip-Außenseite grenzenden Strukturen garantiert ein wirklich atraumatisches Applizieren der Clips.
 - Die kreuzähnliche Struktur der Pyramidenfläche verdoppelt die Haltefläche.
 - Der konvexe Schluß des Clip stellt einen untraumatischen und sicheren Verschluß des Aneurysmenhalses sicher. Der Anlegedruck wird gleichmäßig über die ganze Maullänge verteilt, ein Verrutschen des Clip wird verhindert.
- The rounded, pyramid-like structure is stamped into the jaws by means of a special production step and prevents sharp edges which could perforate an aneurysm.
 - No edges or burrs by additional rounding of structures that border the clip outer side. Because of this real atraumatic application of the clip.
 - The cross-like structure of the inner jaws pyramid surface doubles the tissue-holding area.
 - The convex closure of the clip assures an atraumatic and secure closure of the aneurysm.
 - The applied pressure distributes itself evenly over the length of the jaws, sliding of the clip is prevented.

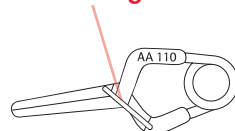
**Feder Design
Spring Design**



Die Federgröße – unterschiedlich bei STANDARD und MINI Clips sind innerhalb der Clips eines Types identisch. Damit wird in Bezug auf die Clipanlegezangen (Clip/Zangenmaul) ein Höchstmaß an Passgenauigkeit sichergestellt.

The spring size, which is different in the STANDARD and MINI clips, is the same within the same type of clip. Thus, it is ensured that the Clip Applying forceps fits to the clip at the highest degree.

**Bügel Design
Link Design**



Die lasergeschweißten Bügel sichern die präzise Führung der Branchen und ein weiches Öffnen der Clips während des gesamten Spreizvorganges. Die Kontaktflächen der Branchen werden über die gesamte Länge der Branchen exakt symmetrisch geführt, was die zusätzliche Stabilität der Clips sichert. Die Überbeanspruchung des Materials ist ausgeschlossen, da das Bügeldesign die maximale Öffnungsweite begrenzt.

The laser welded links ensure the precise guidance of the jaws and a “soft” opening of the clips during the whole spreading process. In an exact way the contact surfaces of the jaws are guided symmetrically over the whole length. This fact guarantees additional stability of the clip. Over-stress of the material is excluded, because the design of the link limits the maximum spread.



Art.Nr. Beschreibung | Description Size Spez.

für permanenten Verschluss | for permanent closure
 para permanente cierre | pour occlusion permanente | per chiusura permanente

	244-415-08	244-415-10	244-417-05	244-419-09	244-419-11	244-421-07	244-421-11
Ti	244-415-08T	244-415-10T	244-417-05T	244-419-09T	244-419-11T	244-421-07T	244-421-11T
O	5,4 mm	5,6 mm	7,2 mm	7,2 mm	8,2 mm	5,7 mm	8,0 mm
S	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms
x =	8 mm	10 mm	5 mm	9 mm	11 mm	7 mm	11 mm

	244-423-09	244-425-13
Ti	244-423-09T	244-425-13T
O	6,2 mm	7,5 mm
S	200 gms	200 gms
x =	9 mm	13 mm

Ti

Titan
 Titanium
 Titanio
 Titane
 Titanio

O

Maulöffnung
 Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso

S

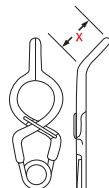
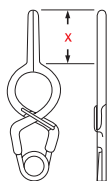
Schließkraft
 Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

244

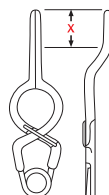
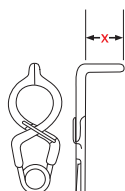
YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
 YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
 YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
 YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
 YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm



Art.Nr. Beschreibung | Description Size Spez.
 für permanenten Verschuß | for permanent closure
 para permanente cierre | pour occlusion permanente | per chiusura permanente



	244-436-07	244-436-09	244-436-12	244-437-05	244-437-07	244-437-11
Ti	244-436-07T	244-436-09T	244-436-12T	244-437-05T	244-437-07T	244-437-11T
O	7,9 mm	9,1 mm	10,3 mm	6,5 mm	7,2 mm	7,8 mm
S	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm



	244-439-05	244-439-07	244-439-11	244-440-05	244-440-07	244-440-11
Ti	244-439-05T	244-439-07T	244-439-11T	244-440-05T	244-440-07T	244-440-11T
O	5,5 mm	5,5 mm	5,5 mm	7,9 mm	8,8 mm	10,0 mm
S	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms
x =	5 mm	7 mm	11 mm	5 mm	7 mm	11 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



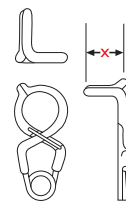
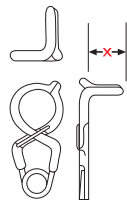
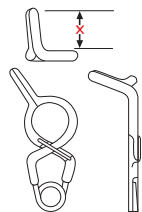
Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
 YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
 YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
 YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm



Art.Nr. Beschreibung | Description Size Spez.

für permanenten Verschuß | for permanent closure
 para permanente cierre | pour occlusion permanente | per chiusura permanente



	244-449-05	244-449-07	244-451-05	244-451-07	244-453-05	244-453-07
Ti	244-449-05T	244-449-07T	244-451-05T	244-451-07T	244-453-05T	244-453-07T
O	5,8 mm	6,2 mm	5,6 mm	5,6 mm	5,6 mm	5,6 mm
S	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms
x =	5 mm	7 mm	5 mm	7 mm	5 mm	7 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva



Art.Nr. Beschreibung | *Description* Size Spez.

für permanenten Verschluß | for permanent closure
 para permanente cierre | pour occlusion permanente | per chiusura permanente

	244-460-03	244-460-05	244-462-03	244-462-05	244-462-07	244-463-03	244-463-04
Ti	244-460-03T	244-460-05T	244-462-03T	244-462-05T	244-462-07T	244-463-03T	244-463-04T
O	3,3 mm	4,0 mm	3,3 mm	4,0 mm	4,6 mm	3,2 mm	3,8 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	3 mm	5 mm	3 mm	5 mm	7 mm	3 mm	4 mm

	244-465-04	244-465-05	244-467-04	244-467-05	244-467-07	244-469-04
Ti	244-465-04T	244-465-05T	244-467-04T	244-467-05T	244-467-07T	244-469-04T
O	3,6 mm	3,8 mm	3,6 mm	4,0 mm	4,4 mm	3,6 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	4 mm	5 mm	4 mm	5 mm	7 mm	4 mm



Art.Nr. Beschreibung | *Description* Size Spez.

für permanenten Verschuß | for permanent closure
 para permanente cierre | pour occlusion permanente | per chiusura permanente

	244-471-04	244-471-05	244-473-05	244-475-06
Ti	244-471-04T	244-471-05T	244-473-05T	244-475-06T
O	3,5 mm	4,0 mm	3,5 mm	6,0 mm
S	110 gms	110 gms	130 gms	130 gms
x =	4 mm	5 mm	5 mm	6 mm

	244-476-04	244-476-07	244-477-07
Ti	244-476-04T	244-476-07T	244-477-07T
O	7,0 mm	5,7 mm	4,5 mm
S	130 gms	130 gms	130 gms
x =	4 mm	7 mm	7 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso

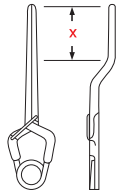


Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

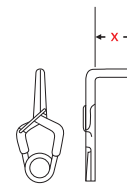
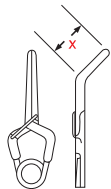
244



Art.Nr. Beschreibung | Description Size Spez.
 für temporären Verschluss | for temporary closure
 para temporal cierre | pour occlusion temporaire | per chiusura temporaneo



	244-510-05	244-510-07	244-510-09	244-510-12	244-510-17	244-510-20
Ti	244-510-05T	244-510-07T	244-510-09T	244-510-12T	244-510-17T	244-510-20T
O	8,0 mm	7,9 mm	8,7 mm	10,2 mm	11,9 mm	13,0 mm
S	110 gms	90 gms	90 gms	90 gms	90 gms	90 gms
x =	5 mm	7 mm	9 mm	12 mm	17 mm	20 mm



	244-511-05	244-511-07	244-511-09	244-511-11	244-513-05	244-513-07	244-513-10
Ti	244-511-05T	244-511-07T	244-511-09T	244-511-11T	244-513-05T	244-513-07T	244-513-10T
O	6,2 mm	6,5 mm	7,8 mm	8,4 mm	5,6 mm	5,6 mm	5,6 mm
S	110 gms	110 gms	110 gms	110 gms	130 gms	130 gms	130 gms
x =	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	10 mm



Art.Nr. Beschreibung | Description Size Spez.

für temporären Verschluss | for temporary closure
 para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

	244-515-08	244-515-10	244-517-05	244-519-09	244-519-11	244-521-07	244-521-11
Ti	244-515-08T	244-515-10T	244-517-05T	244-519-09T	244-519-11T	244-521-07T	244-521-11T
O	5,4 mm	5,6 mm	7,2 mm	7,2 mm	8,2 mm	5,7 mm	8,0 mm
S	130 gms	130 gms	90 gms	90 gms	90 gms	90 gms	90 gms
x =	8 mm	10 mm	5 mm	9 mm	11 mm	7 mm	11 mm

	244-523-09	244-525-13
Ti	244-523-09T	244-525-13T
O	6,2 mm	7,5 mm
S	90 gms	90 gms
x =	9 mm	13 mm



Titan
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 Titanio
 Titane
 Titanio



Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



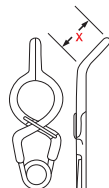
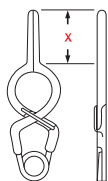
Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

244

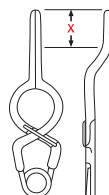
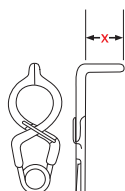
YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
 YASARGIL Vessel Clips Standard; fenestrated 5,0 mm
 YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm
 YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm
 YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm



Art.Nr. Beschreibung | Description Size Spez.
 für temporären Verschluss | for temporary closure
 para temporal cierre | pour occlusion temporaire | per chiusura temporaneo



	244-536-07	244-536-09	244-536-12	244-537-05	244-537-07	244-537-11
Ti	244-536-07T	244-536-09T	244-536-12T	244-537-05T	244-537-07T	244-537-11T
O	7,9 mm	9,1 mm	10,3 mm	6,5 mm	7,2 mm	7,8 mm
S	110 gms	100 gms	90 gms	110 gms	110 gms	110 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm



	244-539-05	244-539-07	244-539-11	244-540-05	244-540-07	244-540-11
Ti	244-539-05T	244-539-07T	244-539-11T	244-540-05T	244-540-07T	244-540-11T
O	5,5 mm	5,5 mm	5,5 mm	7,9 mm	8,8 mm	10,0 mm
S	110 gms	110 gms	90 gms	90 gms	90 gms	90 gms
x =	5 mm	7 mm	11 mm	5 mm	7 mm	11 mm



Titan
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 Titanio
 Titane
 Titanio



Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



Schließkraft
Closing force
 Pressión de oclusión
 Pression d'occlusion
 Pressione occlusiva

244



Art.Nr. Beschreibung | Description Size Spez.
 für temporären Verschluss | for temporary closure
 para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

	244-560-03	244-560-05	244-562-03	244-562-05	244-562-07	244-563-03	244-563-04
Ti	244-560-03T	244-560-05T	244-562-03T	244-562-05T	244-562-07T	244-563-03T	244-563-04T
O	3,3 mm	4,0 mm	3,3 mm	4,0 mm	4,6 mm	3,2 mm	3,8 mm
S	90 gms	70 gms	90 gms	70 gms	70 gms	90 gms	70 gms
x =	3 mm	5 mm	3 mm	5 mm	7 mm	3 mm	4 mm

	244-565-04	244-565-05	244-567-04	244-567-05	244-567-07	244-569-04	
Ti	244-565-04T	244-565-05T	244-567-04T	244-567-05T	244-567-07T	244-569-04T	
O	3,6 mm	3,8 mm	3,6 mm	4,0 mm	4,4 mm	3,6 mm	
S	80 gms	70 gms	80 gms	70 gms	70 gms	80 gms	
x =	4 mm	5 mm	4 mm	5 mm	7 mm	4 mm	



Art.Nr. Beschreibung | Description Size Spez.
 für temporären Verschluss | for temporary closure
 para temporal cierre | pour occlusion temporaire | per chiusura temporaneo

	244-571-04	244-571-05	244-573-05	244-575-06
Ti	244-571-04T	244-571-05T	244-573-05T	244-575-06T
O	3,5 mm	4,0 mm	3,5 mm	6,0 mm
S	80 gms	70 gms	70 gms	70 gms
x =	4 mm	5 mm	5 mm	6 mm

	244-576-04	244-576-07	244-577-07
Ti	244-576-04T	244-576-07T	244-577-07T
O	7,0 mm	5,7 mm	4,5 mm
S	70 gms	70 gms	70 gms
x =	4 mm	7 mm	7 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

244

Anlegezangen für Gefäßclips
Applying forceps for Vessel Clips

Pinzas para aplicar clips vasculares
 Pinces pour appliquer les agrafes vasculaires
 Pinza per applicare clips vascolari



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

YASARGIL



	Maul starr Rigid jaw Boca rigida Mors rigide Morso fisso
	18,0 cm; 7"
MINI	244-610-18
STANDARD	244-600-18

YASARGIL



	Maul starr Rigid jaw Boca rigida Mors rigide Morso fisso		
	17,0 cm; 6 3/4"	21,0 cm; 8 1/4"	23,0 cm; 9"
MINI	244-611-17	244-611-21	244-611-23
STANDARD	244-601-17	244-601-21	244-601-23

	Maul drehbar Rotatable jaw Boca con acogida giratoria Mors rotatif morso da presa girevole	
	21,0 cm; 8 1/4"	23,0 cm; 9"
MINI	244-613-21	244-613-23
STANDARD	244-603-21	244-603-23

Anlegezangen für Gefäßclips
Applying Forceps for Vessel Clips

Pinzas para aplicar clips vasculares
 Pincés pour appliquer les agrafes vasculaires
 Pinza per applicare clips vascolari



Art.Nr.	Beschreibung Description	Size	Spez.
	YASARGIL		



		Maul drehbar Rotatable jaw Boca con acogida giratoria Mors rotatif Morso da presa girevole		
		7,0 cm; 2 3/4"	9,0 cm; 3 1/2"	11,0 cm; 4 1/3"
MINI		244-677-07	244-677-09	244-677-11
		244-677-07T Ti	244-677-09T Ti	244-677-11T Ti
STANDARD		244-637-07	244-637-09	244-637-11
		244-637-07T Ti	244-637-09T Ti	244-637-11T Ti

Anlegezangen für Gefäßclips; Schaft drehbar
Applying Forceps for Vessel Clips; Shaft rotatable

Pinzas para aplicar clips vasculares; vástago giratorio
 Pincers pour appliquer les agrafes vasculaires; fût rotatif
 Pinza per applicare clips vascolari; gambo girevole



Art.Nr.	Beschreibung Description	Size	Spez.
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YASARGIL



Maul starr Rigid jaw				
Boca rigida Mors rigide Morso fisso				
	7,0 cm; 2 3/4"	9,0 cm; 3 1/2"	11,0 cm; 4 1/3"	13,0 cm; 5 1/8"
MINI	244-680-07	244-680-09	244-680-11	244-680-13
	244-680-07T Ti	244-680-09T Ti	244-680-11T Ti	244-680-13T Ti
STANDARD		244-640-09	244-640-11	
		244-640-09T Ti	244-640-11T Ti	

Maul drehbar Rotatable jaw				
Moca con acogida giratoria Mors rotatif Morso da presa girevole				
	7,0 cm; 2 3/4"	9,0 cm; 3 1/2"	11,0 cm; 4 1/3"	13,0 cm; 5 1/8"
MINI	244-682-07	244-682-09	244-682-11	244-682-13
	244-682-07T Ti	244-682-09T Ti	244-682-11T Ti	244-682-13T
STANDARD		244-642-09	244-642-11	
		244-642-09T Ti	244-642-11T Ti	



Laminektomiestanzen Laminectomy Punches

Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia



SWING-SYSTEM

- ein Teil
- einfach zu demontieren
- einfach zu reinigen
- einfach zusammenzufügen

- one piece
- easy to disassemble
- easy to clean
- easy to assemble

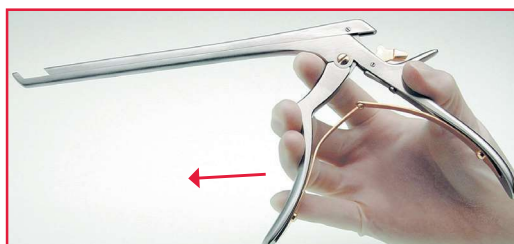
Demontage | Disassembly



Zuerst den Griff schließen ...
First close the handle ...



dann den Riegel nach unten drücken ...
than push the lever downwards ...



nun den Griff wieder öffnen ...
now open the handle ...



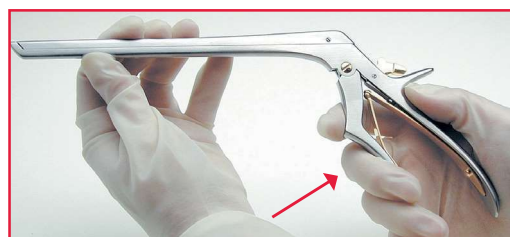
und hinten auf den Schaft drücken.
and push downwards at the end of shaft.

• • •

Zusammenfügen | Assembly



Zuerst Schaftteile ineinandersetzen ...
First push shaft parts into one other ...



dann den Griff schließen ...
than close the handle ...



nun den Riegel nach oben drücken ...
now push the lever upwards ...



und den Griff wieder öffnen.
and finally open the handle.

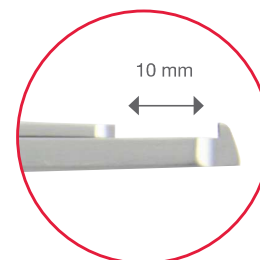
SWING SYSTEM Laminektomiestanzanzen
SWING SYSTEM Laminectomy Punches

SWING SYSTEM Pinzas cortantes para laminectomía
 SWING SYSTEM Pincas emporte-pièces à laminectomie
 SWING SYSTEM Pinze taglienti per laminectomia



Art.Nr. Beschreibung | Description

KERRISON SWING



	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
90°	1 mm	249-051-01	249-052-01	249-053-01

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
90°	2 mm	249-051-02	249-052-02	249-053-02
90°	3 mm	249-051-03	249-052-03	249-053-03
90°	4 mm	249-051-04	249-052-04	249-053-04
90°	5 mm	249-051-05	249-052-05	249-053-05
90°	6 mm	249-051-06	249-052-06	249-053-06

mit Auswerfer | with ejector | con expulsor | avec éjecteur | con espulsore

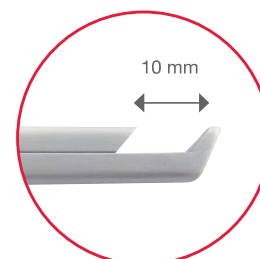
SWING SYSTEM Laminektomiestanzen
SWING SYSTEM Laminectomy Punches

SWING SYSTEM Pinzas cortantes para laminectomía
 SWING SYSTEM Pincas emporte-pièces à laminectomie
 SWING SYSTEM Pinze taglienti per laminectomia



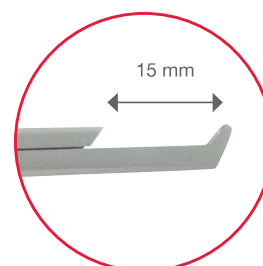
Art.Nr. Beschreibung | Description

KERRISON SWING



	Bissbreite Width of bite	Schaftlänge Length of shaft		
		18,0 cm; 7,2"	20,0 cm; 8"	23,0 cm; 9,2"
40°	1 mm	249-071-01 T CC	249-072-01 T CC	249-073-01 T CC
ohne Auswerfer without ejector sin expulsor sans éjecteur senza espulsore				
40°	2 mm	249-071-02 A T CC	249-072-02 A T CC	249-073-02 A T CC
40°	3 mm	249-071-03 A T CC	249-072-03 A T CC	249-073-03 A T CC
40°	4 mm	249-071-04 A T CC	249-072-04 A T CC	249-073-04 A T CC
40°	5 mm	249-071-05 A T CC	249-072-05 A T CC	249-073-05 A T CC
40°	6 mm	249-071-06 A T CC	249-072-06 A T CC	249-073-06 A T CC

KERRISON SWING



	Bissbreite Width of bite	Schaftlänge Length of shaft
		20,0 cm; 8"
40°	2 mm	249-272-02T CC
40°	3 mm	249-272-03T CC
40°	4 mm	249-272-04T CC
40°	5 mm	249-272-05T CC

ohne Auswerfer | without ejector | sin expulsor | sans éjecteur | senza espulsore

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