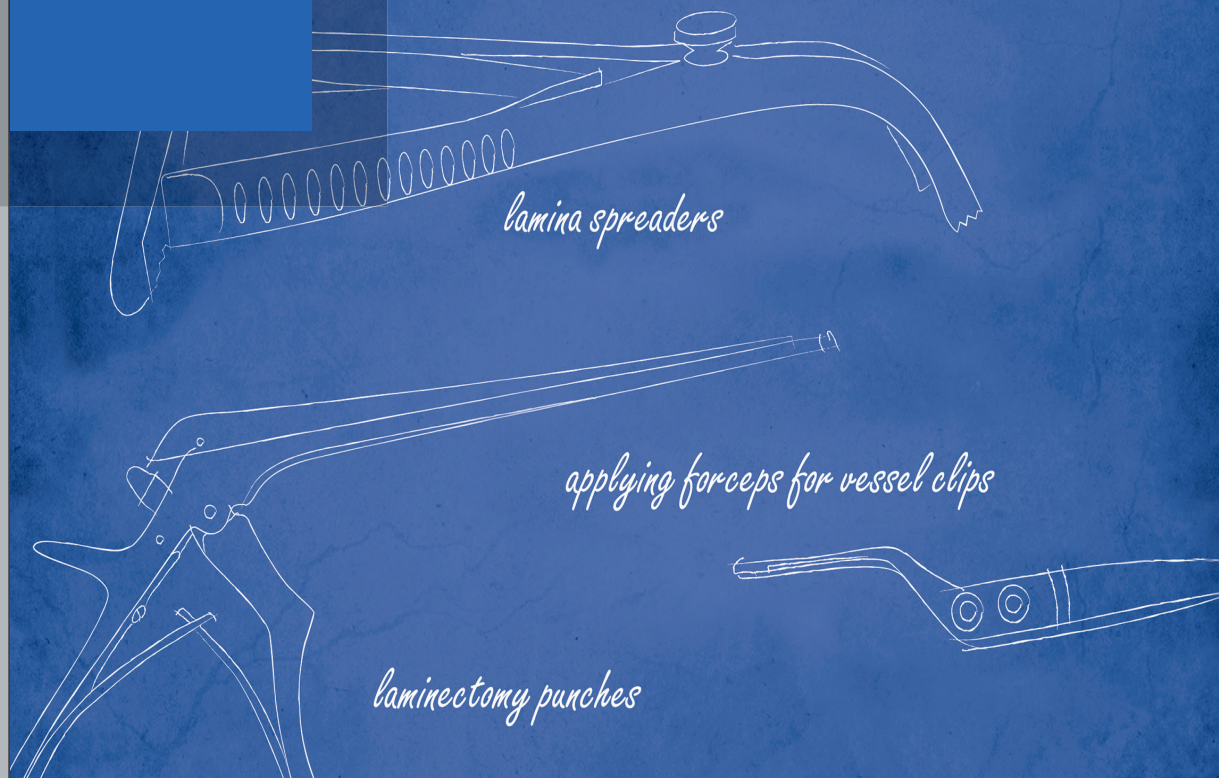


OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches

Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglienti 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 à 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

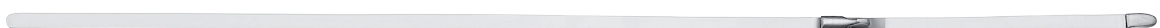
Cantidad minima de pedido: 10 unidades | Quantité minimum par commande: 10 pieces | Quantità minima d'ordine: 10 pezzi

243-026-33

DE MARTEL

33,0 cm; 13"

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



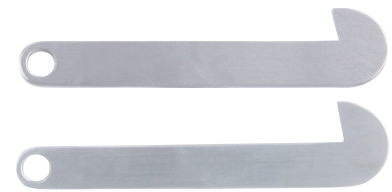
243

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 Ersatzklingen
Spare blades only
Hoja de repuesto
Lame de rechange
Lama di ricambio

243-040-01 Fig. 4



243-040-02 Fig. 5



Schädelstanzen
Cranial Rongeurs

Pinzas sacabocados craneales
Pinces emporte-pièces crâniennes
Pinze per cranio



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	22,5 cm; 8 7/8"
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bis 12 mm | up to 12 mm | hasta 12 mm | jusqu' à 12 mm | fino a 12 mm



243

Schädelhalter
Skull Traction Tongs

Estribos de tracción craneal
Pinces de traction crânienne
Pinze per trazione craniale



Art.Nr.	Beschreibung Description	Size	Spez.
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243-050-01

CRUTCHFIELD

bis 105 mm | up to 105 mm | hasta 105 mm | jusqu' à 105 mm | fino a 105 mm



243-050-02

CRUTCHFIELD

bis 155 mm | up to 155 mm | hasta 155 mm | jusqu' à 155 mm | fino a 155 mm



Vorbohrer
Drill points
Perforadores
Amorçoir
Aesatore

7,0 cm; 2 6/8"

243-051-35

Ø 3,5 mm



243-051-50

Ø 5,0 mm



Schädelhalter
Skull Traction Tongs

Estribos de tracción craneal
Pinces de traction crânienne
Pinze per trazione craniale

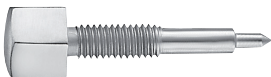


Art.Nr.	Beschreibung Description	Size	Spez.
243-055-00	bis 175 mm up to 175 mm hasta 175 mm jusqu' à 175 mm fino a 175 mm		



243-055-01

Ersatzdorn
Spare pin
Espina de repuesto
Pointe de rechange
Punta di ricambio





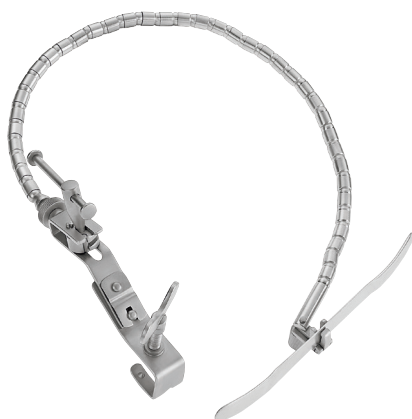
Art.Nr.	Beschreibung Description	Size	Spez.
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243-070-00

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

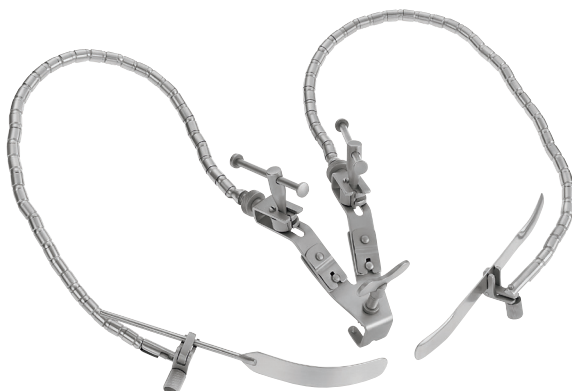
1 x Spatelhalter
 1 x Support
 1 x Porta-espátula
 1 x Support
 1 x Supporto

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

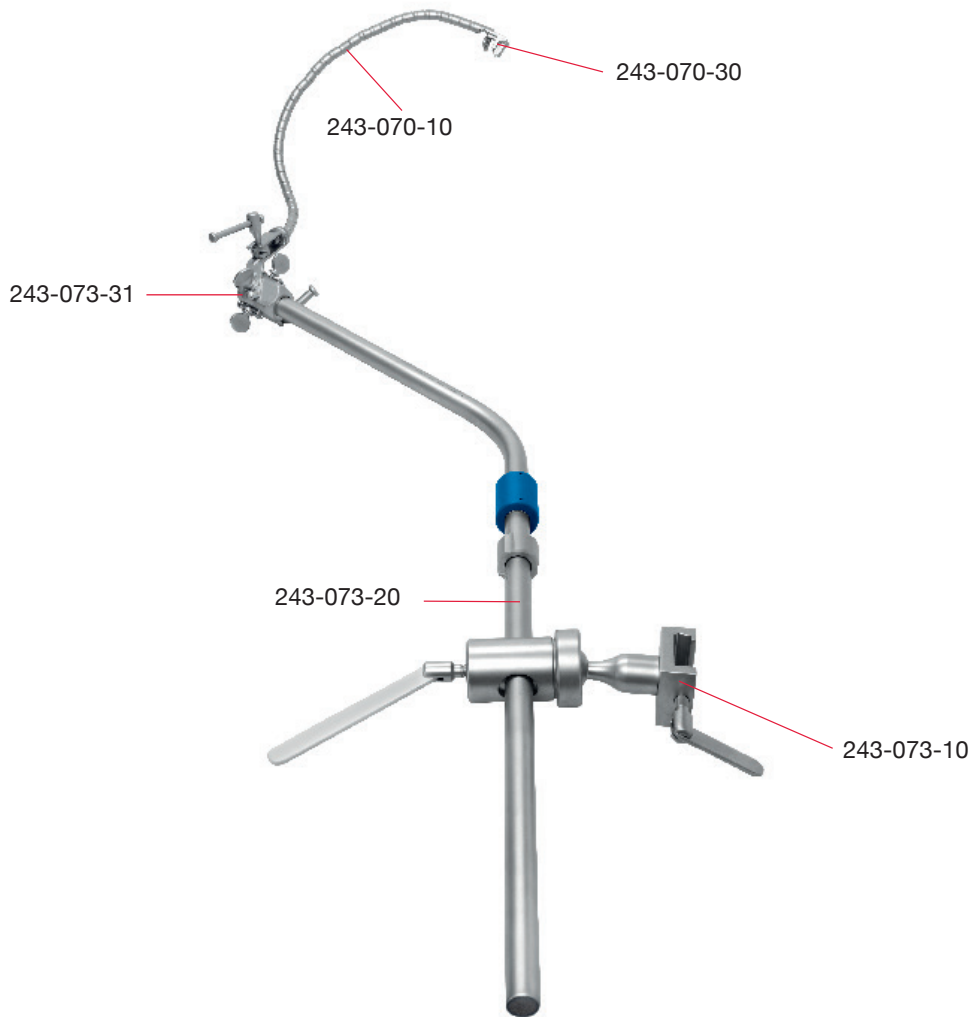
243-070-31

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>	



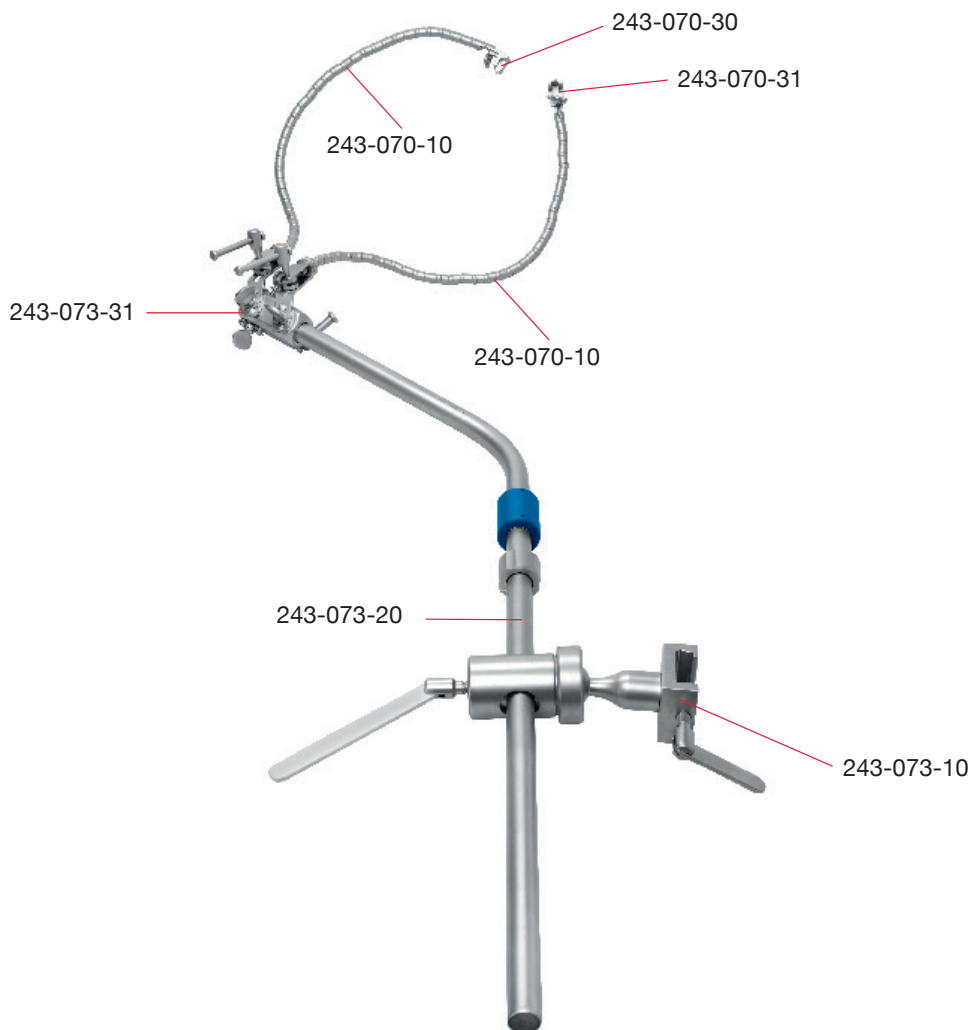
Art.Nr.	Beschreibung Description	Size	Spez.
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243-077-00

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

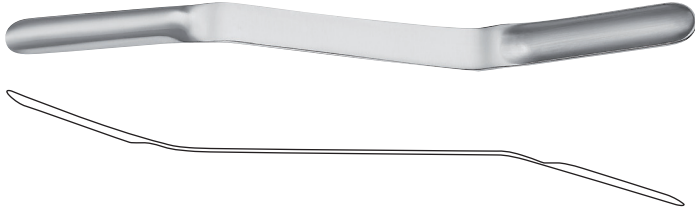




Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
243-070-10	<p>Spannarm Flexible arm Brazo flexible Bras flexible Braccio flessibile</p>		
243-070-20	<p>Fixiervorrichtung für 1 Arm zum Festschrauben am Schädel Fixation base for 1 arm at skull Fijador para 1 brazo al craneo Base de fixation pour 1 bras au crâne Fissatore per 1 braccio al cranio</p>		
243-070-21	<p>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</p>		
243-070-22	<p>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</p>		
243-070-30	<p>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</p>		
243-070-31	<p>Halter für flache Spatel Holder for flat spatula Soporte para espátulas llanas Support pour des spatules plates Sostegno per spatole piatte</p>		



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		



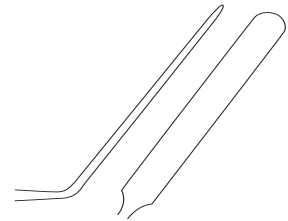
Art.Nr.	Beschreibung Description	Size	Spez.
	OLIVECRONA	18,0 cm; 7"	
	konvex convex convexo convexe convesso		
			
243-138-01	7 + 9 mm		
243-138-02	11 + 13 mm		
243-138-03	15 + 18 mm		
243-138-04	19 + 21 mm		
	biegsam malleable maleable malléable malleabile	20,0 cm; 7 7/8"	
			
243-146-12	12,0 mm		
243-146-17	17,0 mm		
	CUSHING	19,5 cm; 7 5/8"	
243-148-19	10 + 12 mm		
			

Nervwurzelnhaken
Nerve Root Retractors

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

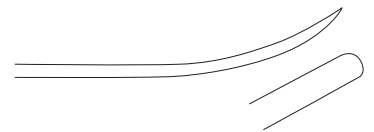


Art.Nr.	Beschreibung Description	Size	Spez.
243-200-20	HORSLEY	20,0 cm; 7 7/8"	



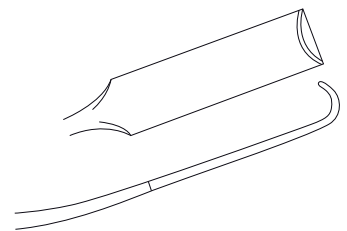
1/1

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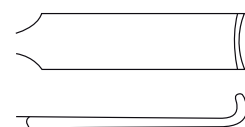
1/1

243-203-07	HOLSHER	21,0 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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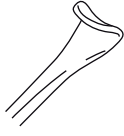



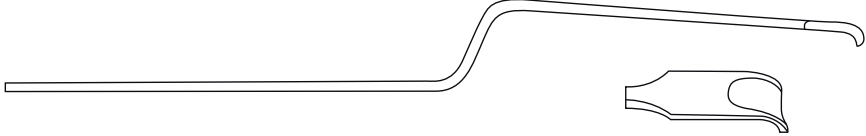

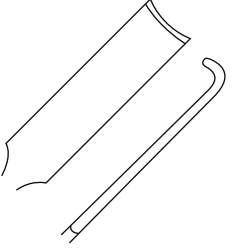


1/1

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 	21,5 cm; 8 4/8"	
1/1			
243-207-45	LOVE 	17,5 cm; 6 7/8"	45° 
1/1			
243-207-90	LOVE 	11,0 cm; 4 3/8"	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			

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 | Description** **Size** **Spez.**

SACHS

21,0 cm; 8 4/8"



243-228-21



243-230-21

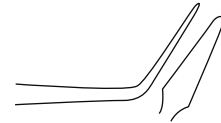


1/1

243-231-15

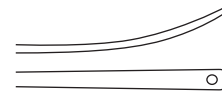
FRAZIER

16,5 cm; 6 4/8"



1/1

OLIVECRONA



243-234-18

18,0 cm; 7 1/8"

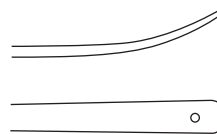
243-234-24

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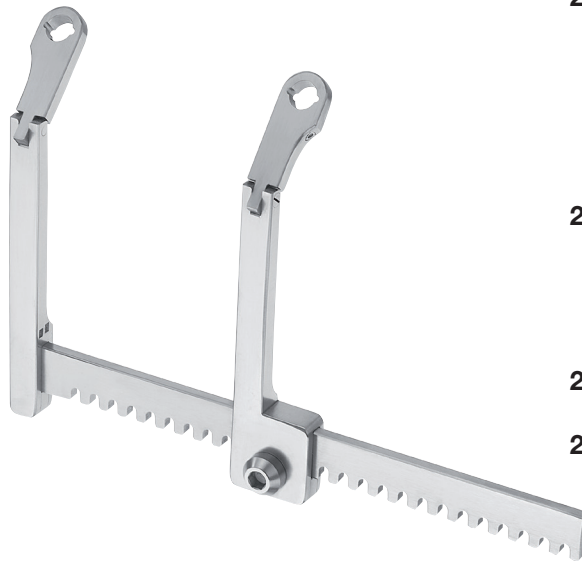
Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
PENFIELD			
243-240-01	Fig. 1 17,5 cm; 6 7/8"		
	1/1		
243-240-02	Fig. 2 19,5 cm; 7 5/8"		
	1/1		
243-240-03	Fig. 3 19,5 cm; 7 5/8"		
	1/1		
243-240-04	Fig. 4 20,5 cm; 8 1/8"		
	1/1		
243-240-05	Fig. 5 29,0 cm; 11 3/8"		
	1/1		



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

Laminektomie-Wundspreizer
Laminectomy Retractors

Separadores para laminectomía
 Ecarteur de tissu cervical
 Divaricatori per laminectomia



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

243-350-10 **Drehschlüssel**
Key
 Llave
 Clé
 Chiave



CASPAR Haken
Hooks
 Ganchos
 Crochets
 Uncini

243-351-38 **38,0 mm**



243-351-58 **58,0 mm**

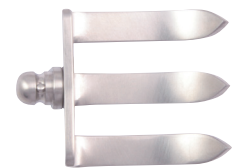


CASPAR

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

- 243-360-01
- 243-361-40
- 243-361-45
- 243-361-50
- 243-361-55
- 243-361-60
- 243-363-40
- 243-363-45
- 243-363-50
- 243-363-55
- 243-363-60

bestehend aus:

- 1 Rahmen
- 1 Valve medial 40 x 23 mm
- 1 Valve medial 45 x 23 mm
- 1 Valve medial 50 x 23 mm
- 1 Valve medial 55 x 23 mm
- 1 Valve medial 60 x 23 mm
- 1 Valve lateral 40 x 23 mm
- 1 Valve lateral 45 x 23 mm
- 1 Valve lateral 50 x 23 mm
- 1 Valve lateral 55 x 23 mm
- 1 Valve lateral 60 x 23 mm

243-360-00

- 243-360-01
- 243-361-40
- 243-361-45
- 243-361-50
- 243-361-55
- 243-361-60
- 243-363-40
- 243-363-45
- 243-363-50
- 243-363-55
- 243-363-60

consisting of:

- 1 Frame
- 1 Valve medial 40 x 23 mm
- 1 Valve medial 45 x 23 mm
- 1 Valve medial 50 x 23 mm
- 1 Valve medial 55 x 23 mm
- 1 Valve medial 60 x 23 mm
- 1 Valve lateral 40 x 23 mm
- 1 Valve lateral 45 x 23 mm
- 1 Valve lateral 50 x 23 mm
- 1 Valve lateral 55 x 23 mm
- 1 Valve lateral 60 x 23 mm

243-360-00

- 243-360-01
- 243-361-40
- 243-361-45
- 243-361-50
- 243-361-55
- 243-361-60
- 243-363-40
- 243-363-45
- 243-363-50
- 243-363-55
- 243-363-60

compuesto de:

- 1 Cuadro
- 1 Valva medial 40 x 23 mm
- 1 Valva medial 45 x 23 mm
- 1 Valva medial 50 x 23 mm
- 1 Valva medial 55 x 23 mm
- 1 Valva medial 60 x 23 mm
- 1 Valva lateral 40 x 23 mm
- 1 Valva lateral 45 x 23 mm
- 1 Valva lateral 50 x 23 mm
- 1 Valva lateral 55 x 23 mm
- 1 Valva lateral 60 x 23 mm

243-360-00

- 243-360-01
- 243-361-40
- 243-361-45
- 243-361-50
- 243-361-55
- 243-361-60
- 243-363-40
- 243-363-45
- 243-363-50
- 243-363-55
- 243-363-60

composé de:

- 1 Cadre
- 1 Valve mediale 40 x 23 mm
- 1 Valve mediale 45 x 23 mm
- 1 Valve mediale 50 x 23 mm
- 1 Valve mediale 55 x 23 mm
- 1 Valve mediale 60 x 23 mm
- 1 Valve latérale 40 x 23 mm
- 1 Valve latérale 45 x 23 mm
- 1 Valve latérale 50 x 23 mm
- 1 Valve latérale 55 x 23 mm
- 1 Valve latérale 60 x 23 mm

243-360-00

- 243-360-01
- 243-361-40
- 243-361-45
- 243-361-50
- 243-361-55
- 243-361-60
- 243-363-40
- 243-363-45
- 243-363-50
- 243-363-55
- 243-363-60

composto da:

- 1 Telaio
- 1 Valva mediale 40 x 23 mm
- 1 Valva mediale 45 x 23 mm
- 1 Valva mediale 50 x 23 mm
- 1 Valva mediale 55 x 23 mm
- 1 Valva mediale 60 x 23 mm
- 1 Valva laterale 40 x 23 mm
- 1 Valva laterale 45 x 23 mm
- 1 Valva laterale 50 x 23 mm
- 1 Valva laterale 55 x 23 mm
- 1 Valva laterale 60 x 23 mm



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	11,5 cm; 4 1/2"	



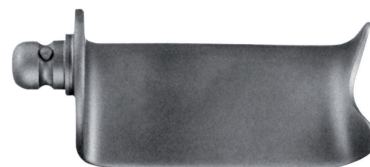
CASPAR

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



Art.Nr.	Beschreibung Description	Size	Spez.
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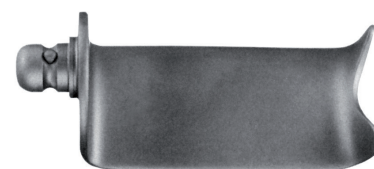
CASPAR

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

Lumbalwundspreizer
Lumbar Retractors

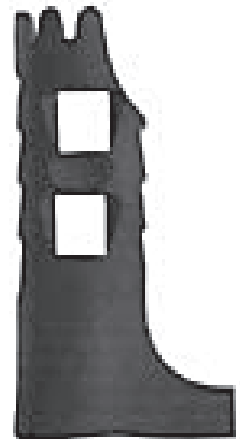
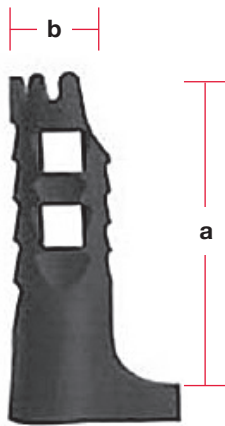
Separadores lumbales autoestáticos
Ecarteurs autostatiques lombaires
Divaricatori autostatici lombari



Art.Nr.	Beschreibung Description	Size	Spez.
	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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Lumbalwundspreizer Lumbar Retractors

Separadores lumbales autoestáticos

Ecarteurs autostatiques lombaires

Divaricatori autostatici lombari



Art.Nr. Beschreibung | Description Size Spez.

CASPAR



SET

243-410-00

- 243-410-01
- 243-413-35
- 243-413-40
- 243-413-45
- 243-413-50
- 243-413-55
- 243-413-60

bestehend aus:

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

243-410-00

- 243-410-01
- 243-413-35
- 243-413-40
- 243-413-45
- 243-413-50
- 243-413-55
- 243-413-60

compuesto de:

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

243-410-00

- 243-410-01
- 243-413-35
- 243-413-40
- 243-413-45
- 243-413-50
- 243-413-55
- 243-413-60

consisting of:

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

243-410-00

- 243-410-01
- 243-413-35
- 243-413-40
- 243-413-45
- 243-413-50
- 243-413-55
- 243-413-60

composé de:

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

243-410-00

- 243-410-01
- 243-413-35
- 243-413-40
- 243-413-45
- 243-413-50
- 243-413-55
- 243-413-60

composto da:

- 1 Telaio
- 1 Valva laterale 35 x 12 mm
- 1 Valva laterale 40 x 13 mm
- 1 Valva laterale 45 x 13 mm
- 1 Valva laterale 50 x 14 mm
- 1 Valva laterale 55 x 14 mm
- 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


Lumbalwundspreizer Lumbar Retractors


Separadores lumbales autoestáticos

Ecarteurs autostatiques lombaires

Divaricatori autostatici lombari



Art.Nr.	Beschreibung Description	Size	Spez.
	SCOVILLE		SET
			
243-415-00	bestehend aus:	243-415-00	compuesto de:
243-415-01	1 Rahmen	243-415-01	1 Cuadro
243-421-50	1 Haken 50 mm	243-421-50	1 Gancho 50 mm
243-423-01	1 Seitenvlase 63 x 25 mm	243-423-01	1 Valva lateral 63 x 25 mm
243-415-00	consisting of:	243-415-00	composé de:
243-415-01	1 Frame	243-415-01	1 Cadre
243-421-50	1 Hooks 50 mm	243-421-50	1 Crochet 50 mm
243-423-01	1 Lateral blade 63 x 25 mm	243-423-01	1 Valve latéral 63 x 25 mm
243-415-00	consisting of:	243-415-00	composto da:
243-415-01	1 Frame	243-415-01	1 Telaio
243-421-50	1 Hooks 50 mm	243-421-50	1 Uncino 50 mm
243-423-01	1 Lateral blade 63 x 25 mm	243-423-01	1 Valva laterale 63 x 25 mm






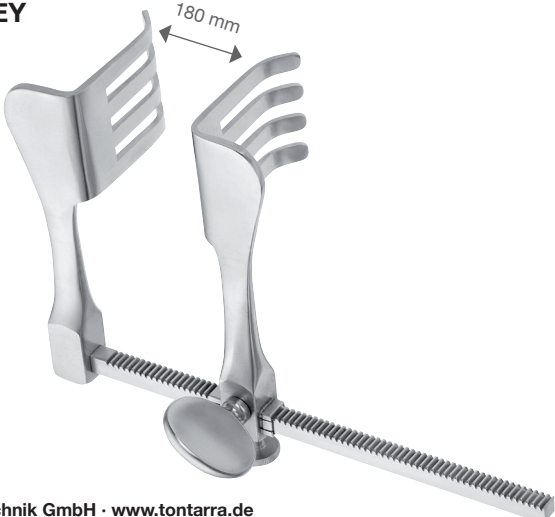
	SCOVILLE-HAVERFIELD	mit Gelenkarmen with articulated arms con brazos articulados avec bras articulés con braccio articolato	SET
			
243-420-00	bestehend aus:	243-420-00	compuesto de:
243-420-01	1 Rahmen	243-420-01	1 Cuadro
243-421-50	1 Haken 50 mm	243-421-50	1 Gancho 50 mm
243-423-01	1 Seitenvlase 63 x 25 mm	243-423-01	1 Valva lateral 63 x 25 mm
243-420-00	consisting of:	243-420-00	composé de:
243-420-01	1 Frame	243-420-01	1 Cadre
243-421-50	1 Hook 50 mm	243-421-50	1 Crochet 50 mm
243-423-01	1 Lateral blades 63 x 25 mm	243-423-01	1 Valve latéral 63 x 25 mm
243-420-00	consisting of:	243-420-00	composto da:
243-420-01	1 Frame	243-420-01	1 Telaio
243-421-50	1 Hook 50 mm	243-421-50	1 Uncino 50 mm
243-423-01	1 Lateral blades 63 x 25 mm	243-423-01	1 Valva laterale 63 x 25 mm

243

Laminektomie-Wundspreizer
Laminectomy Rongeurs

Separadores para laminectomía
 Ecarteurs pour laminectomie
 Divaricatori per laminectomia

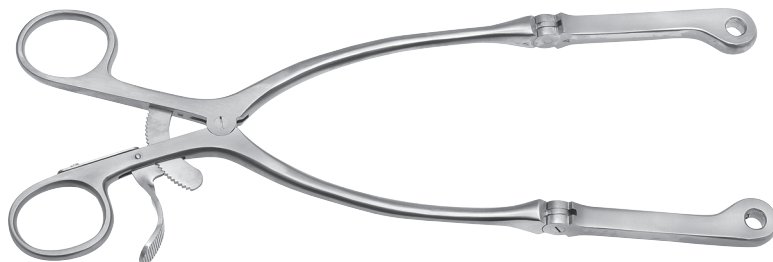


Art.Nr.	Beschreibung Description	Size	Spez.
SCOVILLE			
243-421-50	50,0 mm		
243-421-75	75,0 mm		
SCOVILLE			
243-422-50	50,0 mm		
243-422-75	75,0 mm		
SCOVILLE			
243-423-01	63 x 25 mm		
243-423-02	63 x 51 mm		
243-423-03	67 x 32 mm		
TAYLOR			
243-425-03	47 x 37 mm		
243-425-04	63 x 51 mm		
243-427-01	48 x 50 mm		
243-427-03	64 x 63 mm		
243-427-04	80 x 57 mm		
243-450-00	BADGLEY	 180 mm	52 x 44 mm

243



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



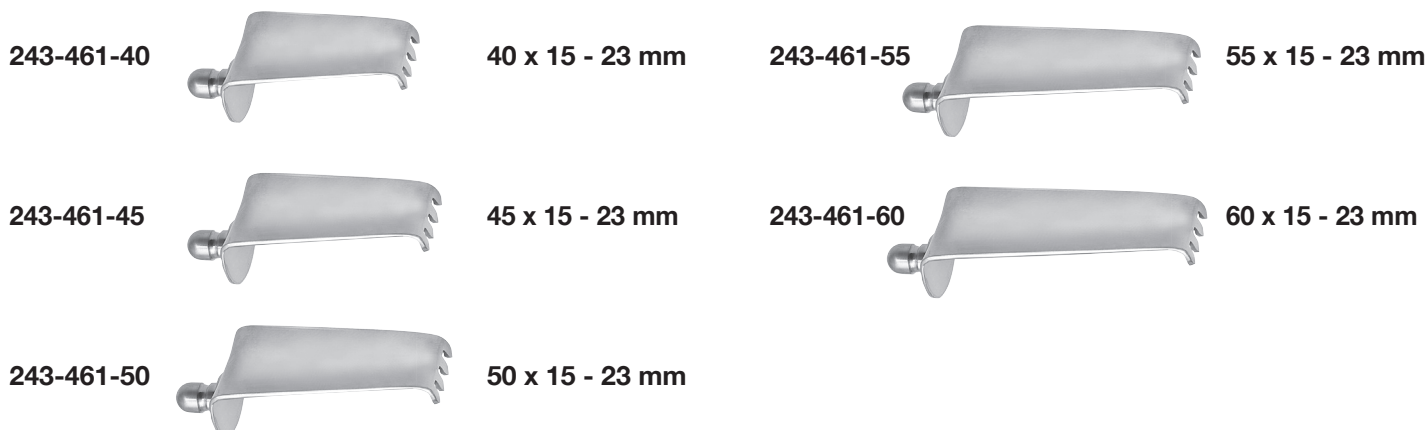
243-460-00 bestehend aus:
 243-460-01 1 Sperrer
 243-461-40 1 gezahnte Seitenvalve 40 x 15 - 23 mm
 243-461-45 1 gezahnte Seitenvalve 45 x 15 - 23 mm
 243-461-50 1 gezahnte Seitenvalve 50 x 15 - 23 mm
 243-461-55 1 gezahnte Seitenvalve 55 x 15 - 23 mm
 243-461-60 1 gezahnte Seitenvalve 60 x 15 - 23 mm

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	13,0 cm; 5 1/8"	SET



243-465-00 bestehend aus:
 243-465-01 1 Sperrer
 243-462-40 1 stumpfe Seitenvalve 40 x 15 - 23 mm
 243-462-45 1 stumpfe Seitenvalve 45 x 15 - 23 mm
 243-462-50 1 stumpfe Seitenvalve 50 x 15 - 23 mm
 243-462-55 1 stumpfe Seitenvalve 55 x 15 - 23 mm
 243-462-60 1 stumpfe Seitenvalve 60 x 15 - 23 mm

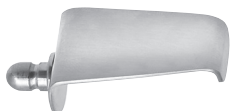
243-465-00 consisting of:
 243-465-01 1 Spreader
 243-462-40 1 lateral valve blunt 40 x 15 - 23 mm
 243-462-45 1 lateral valve blunt 45 x 15 - 23 mm
 243-462-50 1 lateral valve blunt 50 x 15 - 23 mm
 243-462-55 1 lateral valve blunt 55 x 15 - 23 mm
 243-462-60 1 lateral valve blunt 60 x 15 - 23 mm

243-465-00 compuesto de:
 243-465-01 1 Separador
 243-462-40 1 valva lateral roma 40 x 15 - 23 mm
 243-462-45 1 valva lateral roma 45 x 15 - 23 mm
 243-462-50 1 valva lateral roma 50 x 15 - 23 mm
 243-462-55 1 valva lateral roma 55 x 15 - 23 mm
 243-462-60 1 valva lateral roma 60 x 15 - 23 mm

243-465-00 composé de:
 243-465-01 1 Écarteur
 243-462-40 1 valve latérale mousse 40 x 15 - 23 mm
 243-462-45 1 valve latérale mousse 45 x 15 - 23 mm
 243-462-50 1 valve latérale mousse 50 x 15 - 23 mm
 243-462-55 1 valve latérale mousse 55 x 15 - 23 mm
 243-462-60 1 valve latérale mousse 60 x 15 - 23 mm

243-465-00 composto da:
 243-465-01 1 Divaricatore
 243-462-40 1 valva laterale smussa 40 x 15 - 23 mm
 243-462-45 1 valva laterale smussa 45 x 15 - 23 mm
 243-462-50 1 valva laterale smussa 50 x 15 - 23 mm
 243-462-55 1 valva laterale smussa 55 x 15 - 23 mm
 243-462-60 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

**Wirbelkörperspreizer
Lamina Spreaders**

Separadores para cuerpos vertebrales
Ecarteurs pour corps vertébraux
Separatori per vertebre



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
243-473-13	<p>CLOWARD</p> <p>Spreizweite 18 mm Spreading 18 mm Abertura 18 mm Écartement 18 mm Apertura 18 mm</p>	15,0 cm; 5 7/8"	
1/1			
243-482-16	<p>CLOWARD</p> <p>Spreizweite 18 mm Spreading 18 mm Abertura 18 mm Écartement 18 mm Apertura 18 mm</p>	16,0 cm; 6 2/8"	
1/1			
243-497-17	<p>INGE</p> <p>Spreizweite 35 mm Spreading 35 mm Abertura 35 mm Écartement 35 mm Apertura 35 mm</p>	16,0 cm; 6 2/8"	
1/1			
243-498-27	<p>INGE</p> <p>Spreizweite 70 mm Spreading 70 mm Abertura 70 mm Écartement 70 mm Apertura 70 mm</p>	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.
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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 |
| 243-524-05 | | Ø 5,0 mm |

1/1

YASARGIL-SAMII

22,0 cm; 8 5/8"

- | | | |
|------------|--|----------|
| 243-526-03 | | Ø 3,0 mm |
| 243-526-05 | | Ø 5,0 mm |

1/1

SAMII

23,0 cm; 9"



- | | | | | | |
|------------|--|----------|------------|--|----------|
| 243-527-03 | | Ø 3,0 mm | 243-529-03 | | Ø 3,0 mm |
| 243-527-04 | | Ø 4,0 mm | 243-529-04 | | Ø 4,0 mm |
| 243-527-05 | | Ø 5,0 mm | 243-529-05 | | Ø 5,0 mm |

1/1

1/1

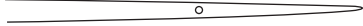

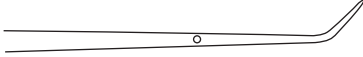
Mikro-Knüpfpinzetten
Micro Suture Tying Forceps

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"		0,3 mm
243-550-15	15,0 cm; 5 7/8"		
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"		0,3 mm
243-551-15	15,0 cm; 5 7/8"		
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"				

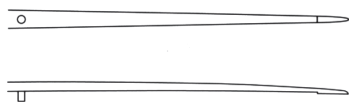
243

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	WISE		
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WISE

13,5 cm; 5 3/8"



0,3 mm

1/1

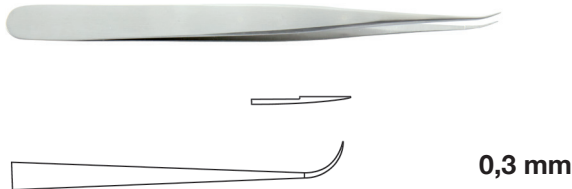
Mikro-Knüpfpinzetten
Micro Suture Tying Forceps

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



Art.Nr.	Beschreibung Description	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

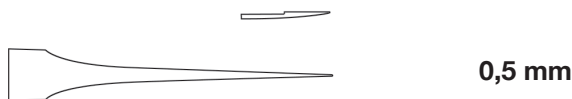


243-578-08 0,8 mm



1/1

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



1/1

243



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



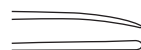
243-620-01 halbscharf | semi-sharp | semi-agudo | semi-pointu | semi-acuto



243-620-02 stumpf | blunt | romo | mousse | smusso



243-621-01 Dissektor | Dissector | Disecador | Dissecteur | Dissetto



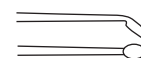
243-621-02 Dissektor | Dissector | Disecador | Dissecteur | Dissetto



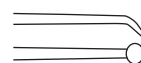
243-622-01 Löffel | Scoop | Cucharilla | Cuillère | Cucchiaio



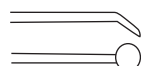
243-622-02 Löffel | Scoop | Cucharilla | Cuillère | Cucchiaio



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



1/1

Raspatorium | Periosteal elevator | Legra | Rugine-raspatoire | Raspatore

243-635-03



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"	
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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"	
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243-660-01	1,0 mm		243-660-03	Ø 4,0 mm	
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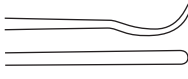
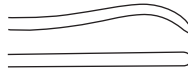



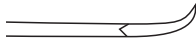
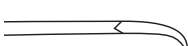



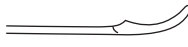



243-660-02	2,5 mm		243-660-04	Ø 2,5 mm	
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			243-660-05	Ø 3,0 mm	
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1/1

1/1



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		



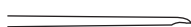
Art.Nr.	Beschreibung Description	Size	Spez.
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JACOBSON

18,5 cm; 7 2/8"



243-676-19



243-677-02



243-677-01



243-679-18



1/1

1/1

YASARGIL Fadenführer; geknöpft
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

243



Art.Nr.	Beschreibung Description	Size	Spez.
243-730-22	YASARGIL	19,0 cm; 7 4/8"	



 Ø 2,2 mm

1/1

CASPAR	25,0 cm; 9 7/8"
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243-800-04	 4,0 mm	243-800-05	 5,0 mm
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1/1

1/1

CASPAR



243-801-03	 3,0 mm	243-801-04	 4,0 mm
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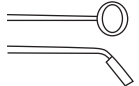
1/1

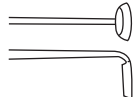
1/1



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



243-810-04  Ø 4,0 mm; 45°

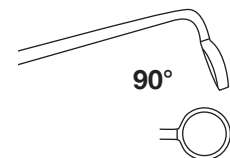
243-812-04  Ø 4,0 mm; 90°

243-813-04  Ø 4,0 mm; 45°

1/1

1/1

	HARDY	18,5 cm; 7 2/8"
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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.
		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

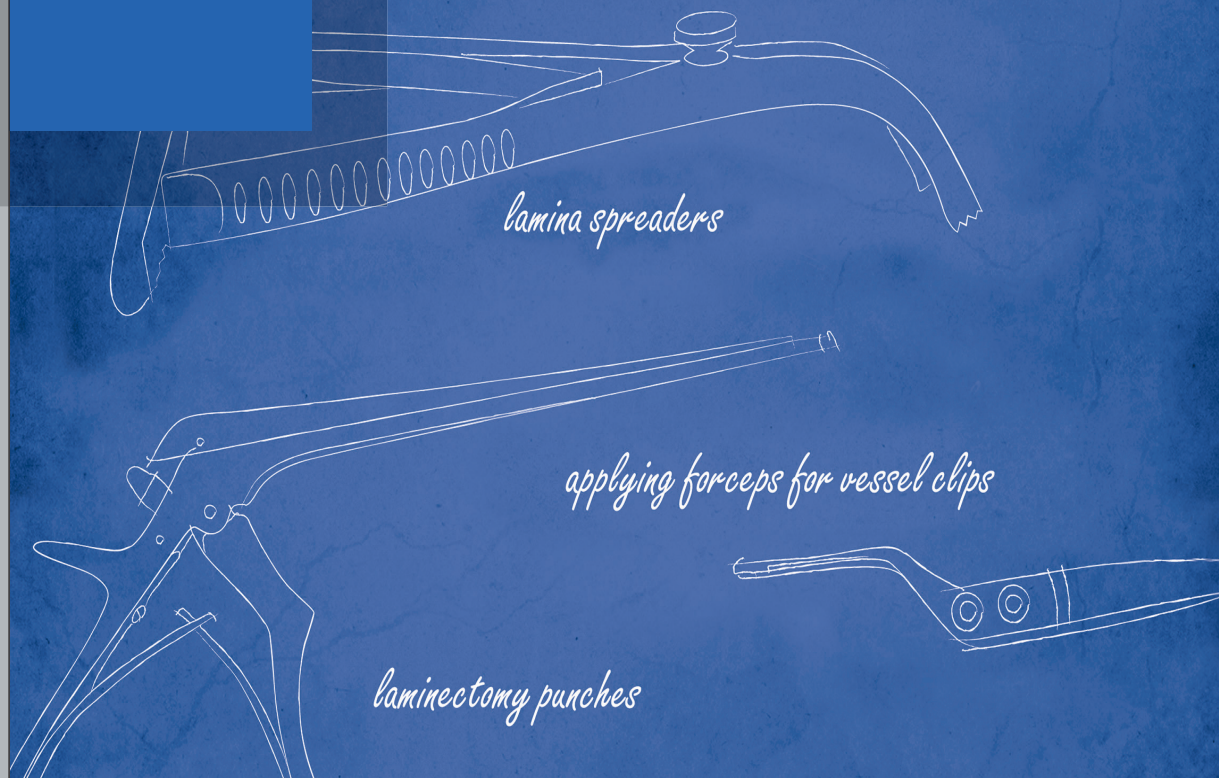
243-836-24 **HARDY**



1/1



OPEN SURGERY



Laminektomiestanzen

Laminectomy Punches

Pinzas cortantes para laminectomía

Pinces emporte-pièces à laminectomie

Pinze taglienti per laminectomia

244



Art.Nr.	Beschreibung Description	Size	Spez.
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MC KENZIE



244-161-15 15,0 cm; 5 7/8"

244-161-19 19,0 cm; 7 4/8"



244-166-14 **OLIVECRONA-TOENNIS**

14,0 cm; 5 4/8"



1/1

244-170-01 **MC KENZIE** **Klammerblock mit Klammerbügel**
Silver clip carrier with clip holding rack
 Porta-grapas con riel para grapas
 Support porte-agrafes
 Supporto porta-agrafes con fila di agrafes



244-172-00 **Silberklammern in Plastikbehältern á 100 Stück**
Silver brain clips in plastic vial; comprising 100 pieces
 Grapas de plata en caja de plástico; conteniendo 100 piezas
 Agrafes en argent; en boîtes plastiqes de 100 pièces
 Agrafes di argento in tubi di materiale plastico confezioni 100 pezzi fermagli



244

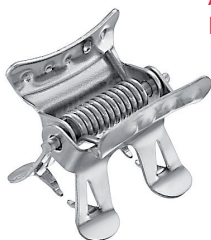
Clips und Anlegezangen; Galea Haken
Clips and Applying Forceps; Galea Hooks

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



Art.Nr.	Beschreibung Description	Size	Spez.
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244-174-00	MODELL KÖLN Kopfhautklammern Packung á 50 Stück Scalp clip in packages of 50 pieces Grapa para cuero cabelludon en paquetes de 50 piezas Agrafes pour cuir chevelun paquet á 50 pièces Pinze per cuoio capelluton in confezioni da 50 pezzi		
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244-180-16	RANEY Anlege- und Abnehmzange Applying/removal forceps 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	15,5 cm; 6"	
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244-181-00	RANEY Kopfhautklammern Packung á 12 Stück Scalp clip in packages of 12 pieces 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		
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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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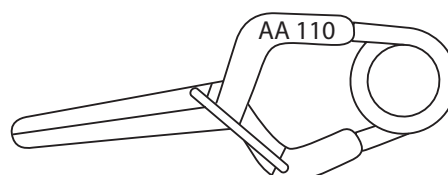


Art.Nr.	Beschreibung Description	Size	Spez.
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Material

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

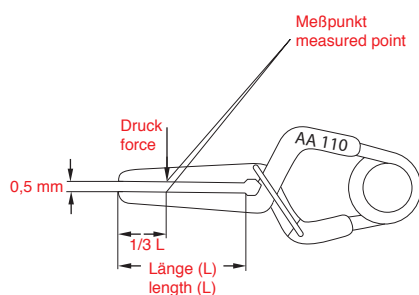
On the label you can find the following data:

- 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.
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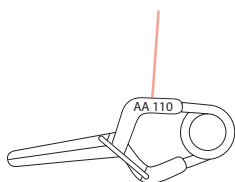
Schließkraft Closing Force



- 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



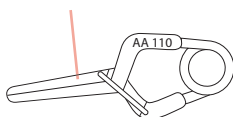
Jeder Clip erhält eine individuelle Seriennummer, durch Laserbeschriftung, welche eine **Rückverfolgbarkeit des gesamten Herstellungsprozesses, der Schließkraft und der Charge** gewährleistet.

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 Verschuß 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.

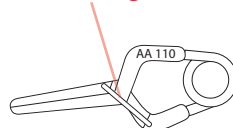
Feder Design Spring Design



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



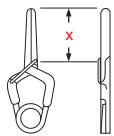
Die lasergeschweißten Bügel sichern die präzise Führung der Branchen und ein weiches Öffnen der Clips während des gesamten Spreizvorganges. Die Kontaktflächen der Branchen werden über die gesamte Länge der Branchen exakt symmetrisch geführt, was die zusätzliche Stabilität der Clips sichert. Die Überbeanspruchung 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.

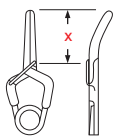


Art.Nr. **Beschreibung | Description** **Size** **Spez.**

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



	244-400-07	244-400-09	244-400-11	244-400-15	244-400-17	244-400-20	244-400-25
Ti	244-400-07T	244-400-09T	244-400-11T	244-400-15T	244-400-17T	244-400-20T	244-400-25T
O	6,2 mm	7,0 mm	7,8 mm	9,2 mm	10,6 mm	10,6 mm	11,4 mm
S	150 gms	180 gms	180 gms	200 gms	200 gms	200 gms	200 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm	20 mm	25 mm



	244-401-07	244-401-09	244-401-11	244-401-15	244-401-20
Ti	244-401-07T	244-401-09T	244-401-11T	244-401-15T	244-401-20T
O	6,0 mm	6,8 mm	7,5 mm	8,7 mm	11,0 mm
S	150 gms	180 gms	180 gms	200 gms	200 gms
x =	7 mm	9 mm	11 mm	15 mm	20 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



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

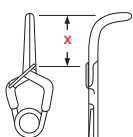


Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

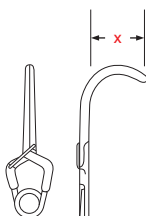


Art.Nr. **Beschreibung | Description** **Size** **Spez.**

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



	244-403-07	244-403-09	244-403-11	244-403-15	244-403-17
Ti	244-403-07T	244-403-09T	244-403-11T	244-403-15T	244-403-17T
O	5,5 mm	6,1 mm	6,5 mm	7,4 mm	9,9 mm
S	150 gms	180 gms	180 gms	200 gms	200 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm



	244-405-07	244-405-09	244-405-11
Ti	244-405-07T	244-405-09T	244-405-11T
O	5,4 mm	5,8 mm	6,2 mm
S	180 gms	180 gms	180 gms
x =	7 mm	9 mm	11 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



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

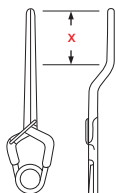


Schließkraft
Closing force
 Pressión de oclusión
 Pression d'occlusion
 Pressione occlusiva

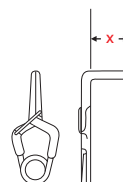
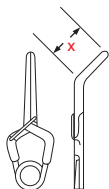


Art.Nr. Beschreibung | Description Size Spez.

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



	244-410-07	244-410-09	244-410-12	244-410-17	244-410-20
Ti	244-410-07T	244-410-09T	244-410-12T	244-410-17T	244-410-20T
O	7,9 mm	8,7 mm	10,2 mm	11,9 mm	13,0 mm
S	200 gms	200 gms	200 gms	180 gms	180 gms
x =	7 mm	9 mm	12 mm	17 mm	20 mm



	244-411-05	244-411-07	244-411-09	244-411-11	244-413-05	244-413-07	244-413-10
Ti	244-411-05T	244-411-07T	244-411-09T	244-411-11T	244-413-05T	244-413-07T	244-413-10T
O	6,2 mm	6,5 mm	7,8 mm	8,4 mm	5,6 mm	5,6 mm	5,6 mm
S	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms
x =	5 mm	7 mm	9 mm	11 mm	5 mm	7 mm	10 mm



Art.Nr. Beschreibung | Description Size Spez.

für permanenten Verschuß | 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



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 3,5 mm
YASARGIL Vessel Clips Standard; fenestrated 3,5 mm

YASARGIL Clips Vasculares Standard; fenestrada 3,5 mm

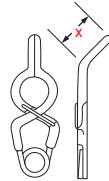
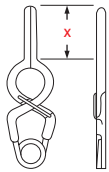
YASARGIL Clips Vasculaires Standard; fenêtrée 3,5 mm

YASARGIL Clips Vascolari Standard; fenestrato 3,5 mm

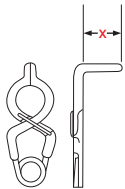


Art.Nr. **Beschreibung | Description** **Size** **Spez.**

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



	244-430-07	244-430-09	244-430-12	244-431-05	244-431-07	244-431-11
Ti	244-430-07T	244-430-09T	244-430-12T	244-431-05T	244-431-07T	244-431-11T
O	7,4 mm	8,4 mm	9,6 mm	5,8 mm	6,5 mm	7,2 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

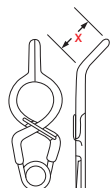
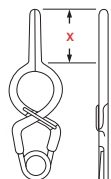


	244-433-05	244-433-07	244-433-11
Ti	244-433-05T	244-433-07T	244-433-11T
O	4,9 mm	4,9 mm	4,9 mm
S	150 gms	150 gms	180 gms
x =	5 mm	7 mm	11 mm

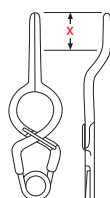
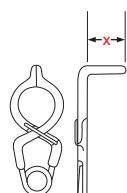


Art.Nr. **Beschreibung | Description** **Size** **Spez.**

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



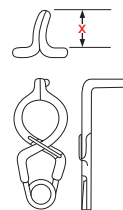
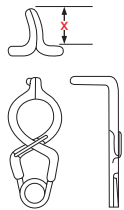
Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



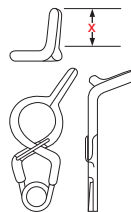
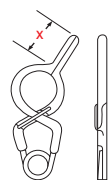
Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva



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



	244-441-05	244-441-07	244-441-10	244-443-05	244-443-07	244-443-10
Ti	244-441-05T	244-441-07T	244-441-10T	244-443-05T	244-443-07T	244-443-10T
O	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm
S	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm	10 mm



	244-445-05	244-445-07	244-445-10	244-447-05	244-447-07
Ti	244-445-05T	244-445-07T	244-445-10T	244-447-05T	244-447-07T
O	7,0 mm	7,8 mm	8,8 mm	5,8 mm	6,2 mm
S	150 gms	150 gms	150 gms	150 gms	150 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm

YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm

YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm

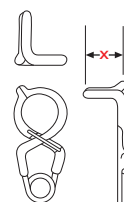
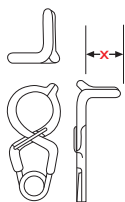
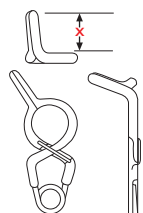
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm

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 Verschluss | 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



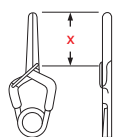
Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



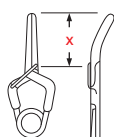
Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva



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



	244-500-07	244-500-09	244-500-11	244-500-15	244-500-17	244-500-20	244-500-25
Ti	244-500-07T	244-500-09T	244-500-11T	244-500-15T	244-500-17T	244-500-20T	244-500-25T
O	6,2 mm	7,0 mm	7,8 mm	9,2 mm	10,6 mm	10,6 mm	11,4 mm
S	110 gms	90 gms	90 gms	90 gms	90 gms	110 gms	110 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm	20 mm	25 mm

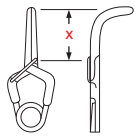


	244-501-07	244-501-09	244-501-11	244-501-15	244-501-20
Ti	244-501-07T	244-501-09T	244-501-11T	244-501-15T	244-501-20T
O	6,0 mm	6,8 mm	7,5 mm	8,7 mm	11,0 mm
S	110 gms	90 gms	90 gms	110 gms	90 gms
x =	7 mm	9 mm	11 mm	15 mm	20 mm

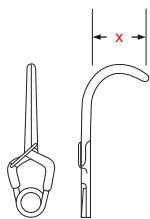


Art.Nr. Beschreibung | Description Size Spez.

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



	244-503-07	244-503-09	244-503-11	244-503-15	244-503-17
Ti	244-503-07T	244-503-09T	244-503-11T	244-503-15T	244-503-17T
O	5,5 mm	6,1 mm	6,5 mm	7,4 mm	9,9 mm
S	110 gms	110 gms	110 gms	110 gms	90 gms
x =	7 mm	9 mm	11 mm	15 mm	17 mm



	244-505-07	244-505-09	244-505-11
Ti	244-505-07T	244-505-09T	244-505-11T
O	5,4 mm	5,8 mm	6,2 mm
S	110 gms	110 gms	110 gms
x =	7 mm	9 mm	11 mm



Titan
Titanium
 Titanio
 Titane
 Titanio



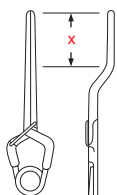
Maulöffnung
Opening of jaws
 Apertura de boca
 Ouverture de mors
 Apertura di morso



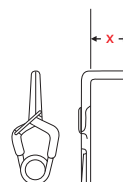
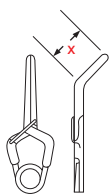
Schließkraft
Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva



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

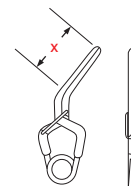
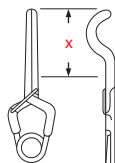
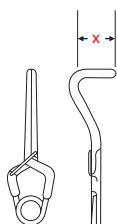
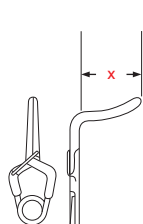


	244-511-05	244-511-07	244-511-09	244-511-11	244-513-05	244-513-07	244-513-10
Ti	244-511-05T	244-511-07T	244-511-09T	244-511-11T	244-513-05T	244-513-07T	244-513-10T
O	6,2 mm	6,5 mm	7,8 mm	8,4 mm	5,6 mm	5,6 mm	5,6 mm
S	110 gms	110 gms	110 gms	110 gms	130 gms	130 gms	130 gms
x =	5 mm	7 mm	9 mm	11 mm	5 mm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

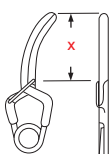


Art.Nr. Beschreibung | Description Size Spez.

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
 Titanium
 Titanio
 Titane
 Titanio



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

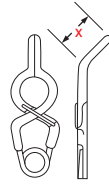
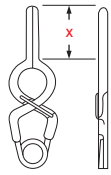


Schließkraft
 Closing force
 Presión de oclusión
 Pression d'occlusion
 Pressione occlusiva

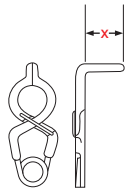


Art.Nr. Beschreibung | Description Size Spez.

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



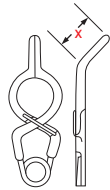
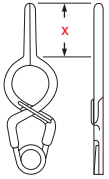
	244-530-07	244-530-09	244-530-12	244-531-05	244-531-07	244-531-11
Ti	244-530-07T	244-530-09T	244-530-12T	244-531-05T	244-531-07T	244-531-11T
O	7,4 mm	8,4 mm	9,6 mm	5,8 mm	6,5 mm	7,2 mm
S	110 gms	110 gms	90 gms	110 gms	110 gms	110 gms
x =	7 mm	9 mm	12 mm	5 mm	7 mm	11 mm



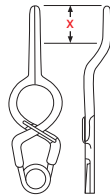
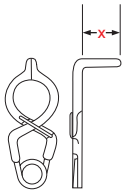
	244-533-05	244-533-07	244-533-11
Ti	244-533-05T	244-533-07T	244-533-11T
O	4,9 mm	4,9 mm	4,9 mm
S	110 gms	110 gms	110 gms
x =	5 mm	7 mm	11 mm



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
Titanium
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

YASARGIL Gefäßclips Standard; gefenstert 5,0 mm
YASARGIL Vessel Clips Standard; fenestrated 5,0 mm

YASARGIL Clips Vasculares Standard; fenestrada 5,0 mm

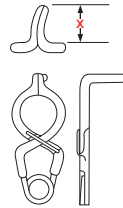
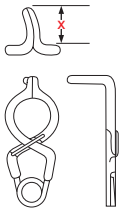
YASARGIL Clips Vasculaires Standard; fenêtrée 5,0 mm

YASARGIL Clips Vascolari Standard; fenestrato 5,0 mm

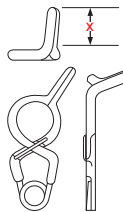
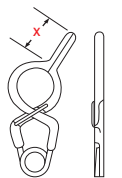


Art.Nr. **Beschreibung | Description** **Size** **Spez.**

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



	244-541-05	244-541-07	244-541-10	244-543-05	244-543-07	244-543-10
Ti	244-541-05T	244-541-07T	244-541-10T	244-543-05T	244-543-07T	244-543-10T
O	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm	10 mm



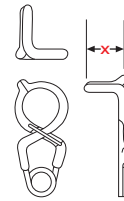
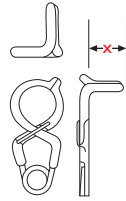
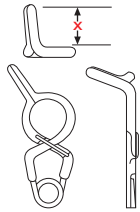
	244-545-05	244-545-07	244-545-10	244-547-05	244-547-07
Ti	244-545-05T	244-545-07T	244-545-10T	244-547-05T	244-547-07T
O	7,0 mm	7,8 mm	8,8 mm	5,8 mm	6,2 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms
x =	5 mm	7 mm	10 mm	5 mm	7 mm

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



	244-549-05	244-549-07	244-551-05	244-551-07	244-553-05	244-553-07
Ti	244-549-05T	244-549-07T	244-551-05T	244-551-07T	244-553-05T	244-553-07T
O	5,8 mm	6,2 mm	5,6 mm	5,6 mm	5,6 mm	5,6 mm
S	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
x =	5 mm	7 mm	5 mm	7 mm	5 mm	7 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



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

Anlegezangen für Gefäßclips
Applying forceps for Vessel Clips

Pinzas para aplicar clips vasculares
 Pincas 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

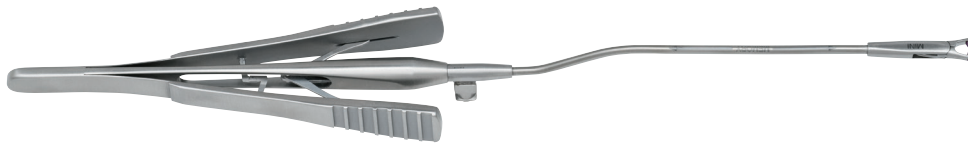
	Maul drehbar Rotatable jaw Boca con acogida giratoria Mors rotatif morso da presa girevole	
	21,0 cm; 8 1/4"	23,0 cm; 9"
MINI	244-613-21	244-613-23
STANDARD	244-603-21	244-603-23

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.

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	244-640-07	244-640-09	244-640-11	244-640-13
	244-640-07T Ti	244-640-09T Ti	244-640-11T Ti	244-640-13T 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 Ti
STANDARD	244-642-07	244-642-09	244-642-11	244-642-13
	244-642-07T Ti	244-642-09T Ti	244-642-11T Ti	244-642-13T Ti

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