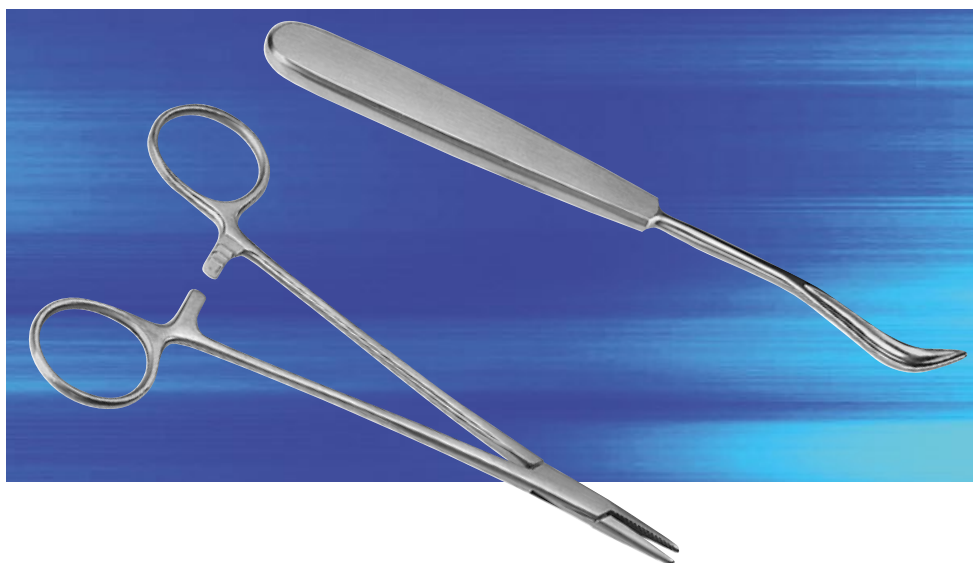
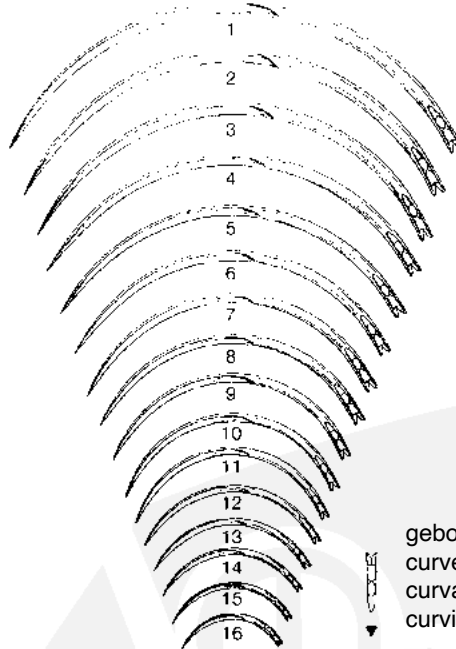


019

Naht
Suture
Sutura
Sutura



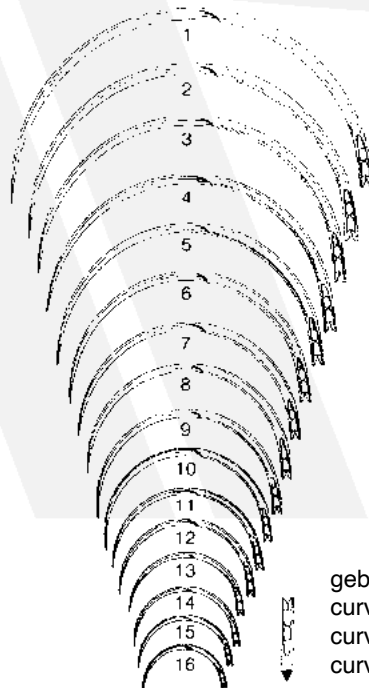


B

019-001-001	Fig. 1
019-001-002	Fig. 2
019-001-003	Fig. 3
019-001-004	Fig. 4
019-001-005	Fig. 5
019-001-006	Fig. 6
019-001-007	Fig. 7
019-001-008	Fig. 8
019-001-009	Fig. 9
019-001-010	Fig. 10
019-001-011	Fig. 11
019-001-012	Fig. 12
019-001-013	Fig. 13
019-001-014	Fig. 14
019-001-015	Fig. 15
019-001-016	Fig. 16

gebogen 3/8 Kreis
curved 3/8 circle
curvas 3/8 círculo
curvi 3/8 circolo

*in Packungen zu 12 Stück
*in packages of 12 pieces
*en paquetes de 12 piezas
*in confezione da 12 pezzi



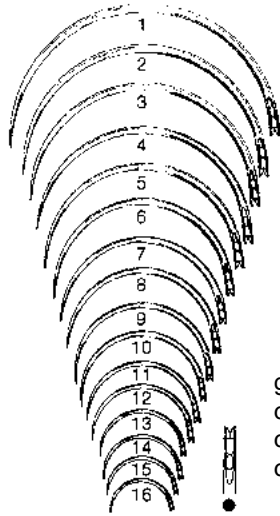
G

019-003-001	Fig. 1
019-003-002	Fig. 2
019-003-003	Fig. 3
019-003-004	Fig. 4
019-003-005	Fig. 5
019-003-006	Fig. 6
019-003-007	Fig. 7
019-003-008	Fig. 8
019-003-009	Fig. 9
019-003-010	Fig. 10
019-003-011	Fig. 11
019-003-012	Fig. 12
019-003-013	Fig. 13
019-003-014	Fig. 14
019-003-015	Fig. 15
019-003-016	Fig. 16

gebogen 1/2 Kreis
curved 1/2 circle
curvas 1/2 círculo
curvi 1/2 circolo

*in Packungen zu 12 Stück
*in packages of 12 pieces
*en paquetes de 12 piezas
*in confezione da 12 pezzi

*Mindestbestellmenge 5 Dutzend
*Minimum order quantity 5 dozen
*Cantidad mínima de pedido 5 docenas
*Quantità di ordine minimo 5 dozzine

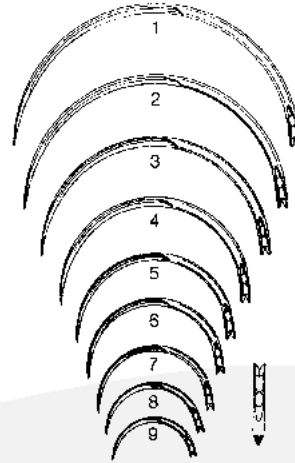


gebogen 1/2 Kreis
curved 1/2 circle
curvas 1/2 circulo
curvi 1/2 circolo

Gr

019-005-001	Fig. 1
019-005-002	Fig. 2
019-005-003	Fig. 3
019-005-004	Fig. 4
019-005-005	Fig. 5
019-005-006	Fig. 6
019-005-007	Fig. 7
019-005-008	Fig. 8
019-005-009	Fig. 9
019-005-010	Fig. 10
019-005-011	Fig. 11
019-005-012	Fig. 12
019-005-013	Fig. 13
019-005-014	Fig. 14
019-005-015	Fig. 15
019-005-016	Fig. 16

*in Packungen zu 12 Stück
*in packages of 12 pieces
*en paquetes de 12 piezas
*in confezione da 12 pezzi

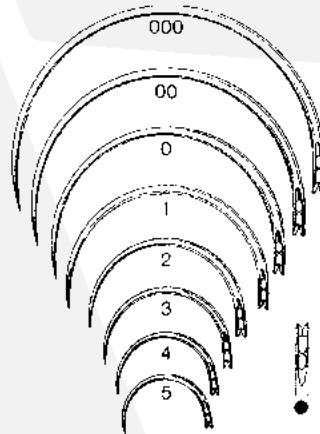


gebogen 1/2 Kreis
curved 1/2 circle
curvas 1/2 circulo
curvi 1/2 circolo

Ga

019-007-001	Fig. 1
019-007-002	Fig. 2
019-007-003	Fig. 3
019-007-004	Fig. 4
019-007-005	Fig. 5
019-007-006	Fig. 6
019-007-007	Fig. 7
019-007-008	Fig. 8
019-007-009	Fig. 9

*in Packungen zu 12 Stück
*in packages of 12 pieces
*en paquetes de 12 piezas
*in confezione da 12 pezzi



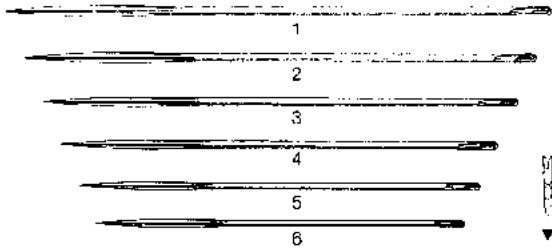
gebogen 1/2 Kreis
curved 1/2 circle
curvas 1/2 circulo
curvi 1/2 circolo

E

019-011-010	Fig. 0
019-011-020	Fig. 00
019-011-030	Fig. 000
019-013-001	Fig. 1
019-013-002	Fig. 2
019-013-003	Fig. 3
019-013-004	Fig. 4
019-013-005	Fig. 5

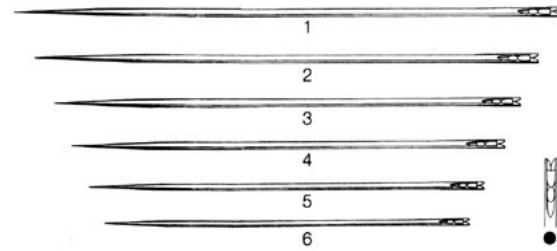
*in Packungen zu 12 Stück
*in packages of 12 pieces
*en paquetes de 12 piezas
*in confezione da 12 pezzi

*Mindestbestellmenge 5 Dutzend
*Minimum order quantity 5 dozen
*Cantidad mínima de pedido 5 docenas
*Quantità di ordine minimo 5 dozzine



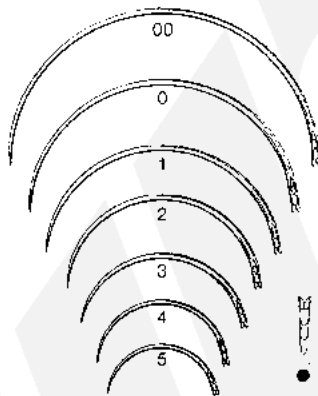
KEITH

019-016-001	Fig. 1	*in Packungen zu 12 Stück
019-016-002	Fig. 2	*in packages of 12 pieces
019-016-003	Fig. 3	*en paquetes de 12 piezas
019-016-004	Fig. 4	*in confezione da 12 pezzi
019-016-005	Fig. 5	
019-016-006	Fig. 6	



KEITH

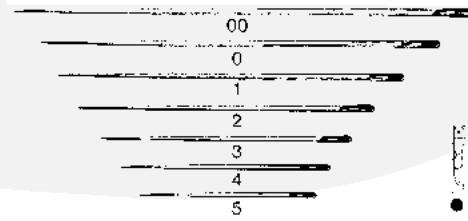
019-018-001	Fig. 1	*in Packungen zu 12 Stück
019-018-002	Fig. 2	*in packages of 12 pieces
019-018-003	Fig. 3	*en paquetes de 12 piezas
019-018-004	Fig. 4	*in confezione da 12 pezzi
019-018-005	Fig. 5	
019-018-006	Fig. 6	



gebogen 1/2 Kreis
 curved 1/2 circle
 curvas 1/2 círculo
 curvi 1/2 circolo

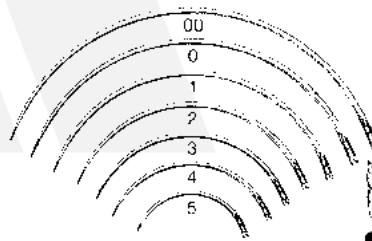
Pb

019-021-010	Fig. 0	*in Packungen zu 12 Stück
019-021-020	Fig. 00	*in packages of 12 pieces
019-023-001	Fig. 1	*en paquetes de 12 piezas
019-023-002	Fig. 2	*in confezione da 12 pezzi
019-023-003	Fig. 3	
019-023-004	Fig. 4	
019-023-005	Fig. 5	



Pc

019-024-010	Fig. 0	*in Packungen zu 12 Stück
019-024-020	Fig. 00	*in packages of 12 pieces
019-026-001	Fig. 1	*en paquetes de 12 piezas
019-026-002	Fig. 2	*in confezione da 12 pezzi
019-026-003	Fig. 3	
019-026-004	Fig. 4	
019-026-005	Fig. 5	

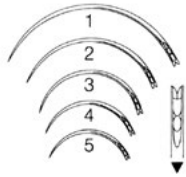


gebogen 3/8 Kreis
 curved 3/8 circle
 curvas 3/8 círculo
 curvi 3/8 circolo

Pd

019-027-010	Fig. 0	*in Packungen zu 12 Stück
019-027-020	Fig. 00	*in packages of 12 pieces
019-029-001	Fig. 1	*en paquetes de 12 piezas
019-029-002	Fig. 2	*in confezione da 12 pezzi
019-029-003	Fig. 3	
019-029-004	Fig. 4	
019-029-005	Fig. 5	

*Mindestbestellmenge 5 Dutzend
 *Minimum order quantity 5 dozen
 *Cantidad mínima de pedido 5 docenas
 *Quantità di ordine minimo 5 dozzine

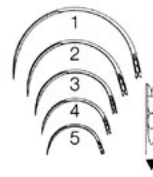


Ob

019-031-001	Fig. 1
019-031-002	Fig. 2
019-031-003	Fig. 3
019-031-004	Fig. 4
019-031-005	Fig. 5

gebogen 3/8 Kreis
 curved 3/8 circle
 curvas 3/8 circulo
 curvi 3/8 circolo

*in Packungen zu 12 Stück
 *in packages of 12 pieces
 *en paquetes de 12 piezas
 *in confezione da 12 pezzi

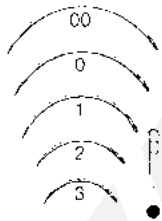


Og

019-033-001	Fig. 1
019-033-002	Fig. 2
019-033-003	Fig. 3
019-033-004	Fig. 4
019-033-005	Fig. 5

gebogen 1/2 Kreis
 curved 1/2 circle
 curvas 1/2 circulo
 curvi 1/2 circolo

*in Packungen zu 12 Stück
 *in packages of 12 pieces
 *en paquetes de 12 piezas
 *in confezione da 12 pezzi

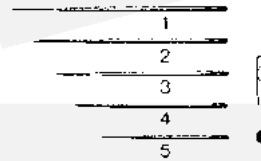


KALT

019-035-010	Fig. 0
019-035-020	Fig. 00
019-037-001	Fig. 1
019-037-002	Fig. 2
019-037-003	Fig. 3

gebogen 3/8 Kreis
 curved 3/8 circle
 curvas 3/8 circulo
 curvi 3/8 circolo

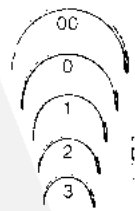
*in Packungen zu 12 Stück
 *in packages of 12 pieces
 *en paquetes de 12 piezas
 *in confezione da 12 pezzi



PAYR

019-040-001	Fig. 1
019-040-002	Fig. 2
019-040-003	Fig. 3
019-040-004	Fig. 4
019-040-005	Fig. 5

*in Packungen zu 12 Stück
 *in packages of 12 pieces
 *en paquetes de 12 piezas
 *in confezione da 12 pezzi



gebogen 1/2 Kreis
 curved 1/2 circle
 curvas 1/2 circulo
 curvi 1/2 circolo

PAYR

019-043-010	Fig. 0
019-043-020	Fig. 00
019-045-001	Fig. 1
019-045-002	Fig. 2
019-045-003	Fig. 3

*in Packungen zu 12 Stück
 *in packages of 12 pieces
 *en paquetes de 12 piezas
 *in confezione da 12 pezzi

*Mindestbestellmenge 5 Dutzend
 *Minimum order quantity 5 dozen
 *Cantidad mínima de pedido 5 docenas
 *Quantità di ordine minimo 5 dozzine



019-070-001 150x95x13 mm



019-070-002 150x95x13 mm
 perforierter Deckel und Boden
 perforated lid and bottom
 tapa y fondo perforado
 coperchio e fondo perforati



019-070-003 150x95x13 mm
 perforierter Boden
 perforated bottom
 fondo perforado
 fondo perforato

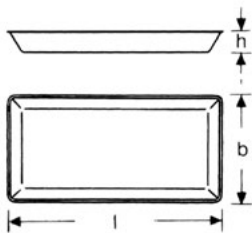


019-070-005 150x95x13 mm



019-070-006 150x95x13 mm

perforierter Deckel und Boden
perforated lid and bottom
tapa y fondo perforado
coperchio e fondo perforati



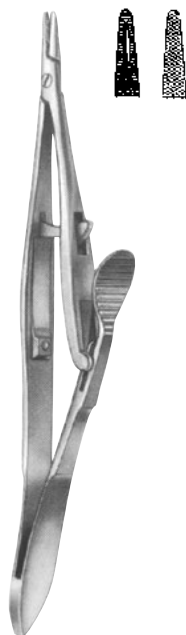
019-074-050 50x25x4,5 mm
019-074-065 65x42x8,0 mm
019-074-075 75x25x4,5 mm

019-076-050 50x25x4,5 mm
019-076-065 65x42x8,0 mm
019-076-075 75x25x4,5 mm



019-080-001 Ø 62x13 mm
 Innendose allein, perforiert
 Interior box, perforated
 Caja interior, perforada
 Scatola interiore, perforati

019-080-000 Ø 65x15 mm



KALT

019-100-140 14,0 cm / 5½"



019-104-140

019-105-140

ARRUGA

019-104-140 - 019-105-140 14,0 cm / 5½"



019-106-160

019-107-160

ARRUGA

019-106-160 - 019-107-160 16,0 cm / 6¼"

Maul 0,5 mm
 jaw 0,5 mm
 boca 0,5 mm
 muso 0,5 mm

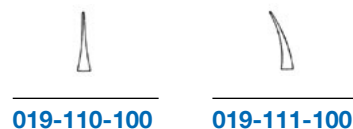


019-108-100

019-109-100

ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

Maul 0,5 mm
 jaw 0,5 mm
 boca 0,5 mm
 muso 0,5 mm



019-110-100

019-111-100

mit Sperre
 with ratchet
 con cierre
 con chiusura

BARRAQUER-TROUTMAN

019-108-100 - 019-109-100

10,0 cm / 4"

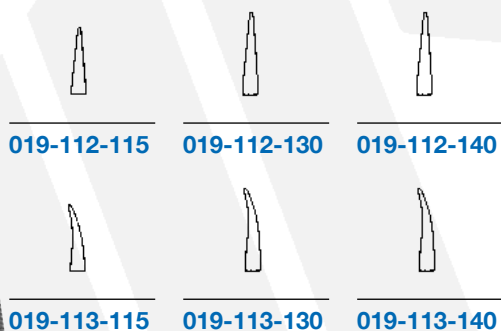
BARRAQUER-TROUTMAN

019-110-100 - 019-111-100

10,0 cm / 4"

Maul 1,0 mm
 jaw 1,0 mm
 boca 1,0 mm
 muso 1,0 mm

glatt
 smooth
 liso
 liscio



019-112-115

019-112-130

019-112-140

019-113-115

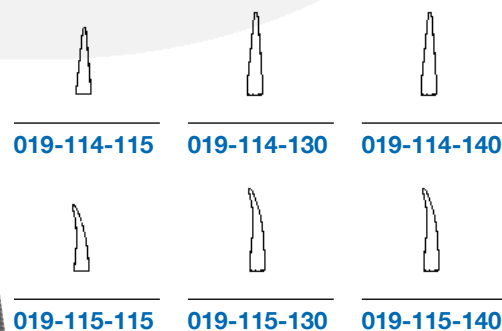
019-113-130

019-113-140

ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

Maul 1,0 mm
 jaw 1,0 mm
 boca 1,0 mm
 muso 1,0 mm

glatt
 smooth
 liso
 liscio



019-114-115

019-114-130

019-114-140

019-115-115

019-115-130

019-115-140

mit Sperre
 with ratchet
 con cierre
 con chiusura

BARRAQUER

019-112-115 - 019-113-115

11,5 cm / 4 1/2"

019-112-130 - 019-113-130

13,0 cm / 5 1/8"

019-112-140 - 019-113-140

14,0 cm / 5 1/2"

BARRAQUER

019-114-115 - 019-115-115

11,5 cm / 4 1/2"

019-114-130 - 019-115-130

13,0 cm / 5 1/8"

019-114-140 - 019-115-140

14,0 cm / 5 1/2"

Maul 1,0 mm
 jaw 1,0 mm
 boca 1,0 mm
 muso 1,0 mm



glatt
 smooth
 liso
 liscio

mit Sperre
 with ratchet
 con cierre
 con chiusura

Maul 1,0 mm
 jaw 1,0 mm
 boca 1,0 mm
 muso 1,0 mm



glatt
 smooth
 liso
 liscio

mit Sperre
 with ratchet
 con cierre
 con chiusura

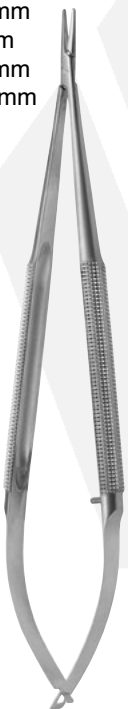
BARRAQUER

019-120-150 15,0 cm / 6"
019-120-180 18,0 cm / 6"
019-120-210 21,0 cm / 8 1/4"

BARRAQUER

019-121-150 15,0 cm / 6"
019-121-180 18,0 cm / 6"
019-121-210 21,0 cm / 8 1/4"

Maul 1,0 mm
 jaw 1,0 mm
 boca 1,0 mm
 muso 1,0 mm



glatt
 smooth
 liso
 liscio

ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

Maul 1,0 mm
 jaw 1,0 mm
 boca 1,0 mm
 muso 1,0 mm



glatt
 smooth
 liso
 liscio

ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

BARRAQUER

019-125-150 15,0 cm / 6"
019-125-180 18,0 cm / 6"
019-125-210 21,0 cm / 8 1/4"

gebogen
 curved
 curva
 curva



ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

GOMEL

019-127-140 14,0 cm / 5 1/2"

BARRAQUER

019-124-150 15,0 cm / 6"
019-124-180 18,0 cm / 6"
019-124-210 21,0 cm / 8 1/4"



019-130-140



019-131-140

mit Sperre
 with ratchet
 con cierre
 con chiusura



019-132-140



019-133-140

ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

CASTROVIEJO

019-130-140 - 019-131-140

14,0 cm / 5 1/2"

CASTROVIEJO

019-132-140 - 019-133-140

14,0 cm / 5 1/2"



019-136-140



019-137-140

mit Sperre
 with ratchet
 con cierre
 con chiusura



019-138-140



019-139-140

ohne Sperre
 without ratchet
 sin cierre
 senza chiusura

CASTROVIEJO

019-136-140 - 019-137-140

14,0 cm / 5 1/2"

CASTROVIEJO

019-138-140 - 019-139-140

14,0 cm / 5 1/2"



mit Sperre
with ratchet
con cierre
con chiusura

CASTROVIEJO (JACOBSON)

019-144-180 18,0 cm / 7"
019-144-210 21,0 cm / 8 1/4"



mit Sperre
with ratchet
con cierre
con chiusura

CASTROVIEJO (JACOBSON)

019-145-180 18,0 cm / 7"
019-145-210 21,0 cm / 8 1/4"



mit Sperre
with ratchet
con cierre
con chiusura

CASTROVIEJO (JACOBSON)

019-146-180 18,0 cm / 7"
019-146-210 21,0 cm / 7"



mit Sperre
with ratchet
con cierre
con chiusura

CASTROVIEJO (JACOBSON)

019-147-180 18,0 cm / 7"
019-147-210 21,0 cm / 7"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-148-180 18,0 cm / 7"
019-148-210 21,0 cm / 7"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-149-180 18,0 cm / 7"
019-149-210 21,0 cm / 7"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-150-180 18,0 cm / 7"
019-150-210 21,0 cm / 7"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-151-180 18,0 cm / 7"
019-151-210 21,0 cm / 7"



glatt
smooth
liso
liscio

ohne Sperre
without ratchet
sin cierre
senza chiusura

YASARGIL

019-170-200 20,0 cm / 8"
019-170-225 22,5 cm / 9"
019-170-245 24,5 cm / 9²/₃"

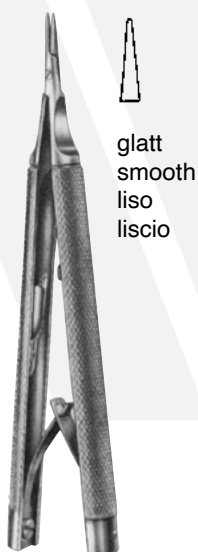


glatt
smooth
liso
liscio

ohne Sperre
without ratchet
sin cierre
senza chiusura

YASARGIL

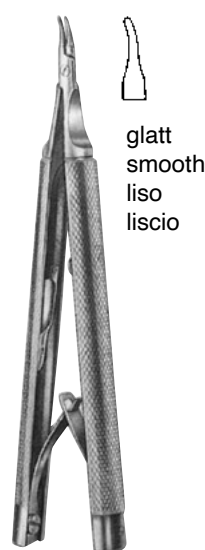
019-171-200 20,0 cm / 8"
019-171-225 22,5 cm / 9"
019-171-245 24,5 cm / 9²/₃"



glatt
smooth
liso
liscio

CASTROVIEJO

019-186-130 13,0 cm / 5¹/₈"



glatt
smooth
liso
liscio

CASTROVIEJO

019-187-130 13,0 cm / 5¹/₈"



DERF

019-200-125 13,0 cm / 5 $\frac{1}{8}$ "



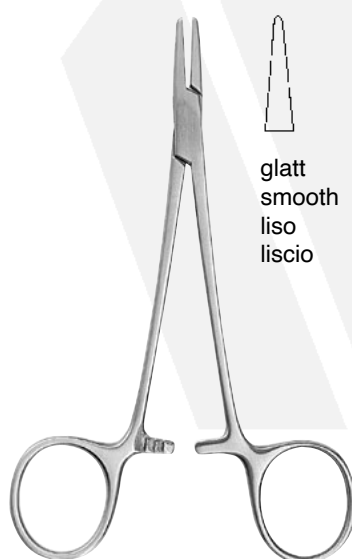
DERF

019-202-125 12,5 cm / 5"



COLLIER

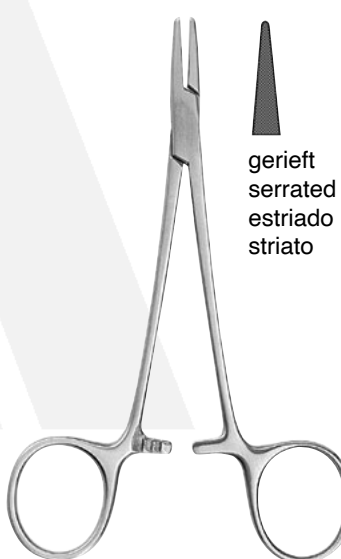
019-204-125 12,5 cm / 5"



glatt
smooth
liso
liscio

WEBSTER

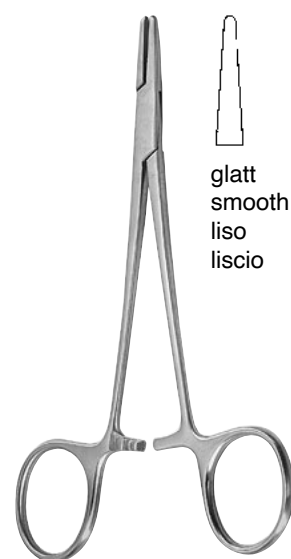
019-210-130 13,0 cm / 5"



gerieft
serrated
estriado
striato

WEBSTER

019-212-130 13,0 cm / 5"



glatt
smooth
liso
liscio

HALSEY

019-216-115 11,5 cm / 4"
019-216-130 13,0 cm / 5 $\frac{1}{8}$ "



HALSEY

019-218-130 13,0 cm / 5 1/8"



glattes Maul mit Spezialkehlung
smooth jaw, special groove
boca lisa, especialmente acanalada
mors lisse, avec stries spéciales
morso liscio con scannellatura speciale

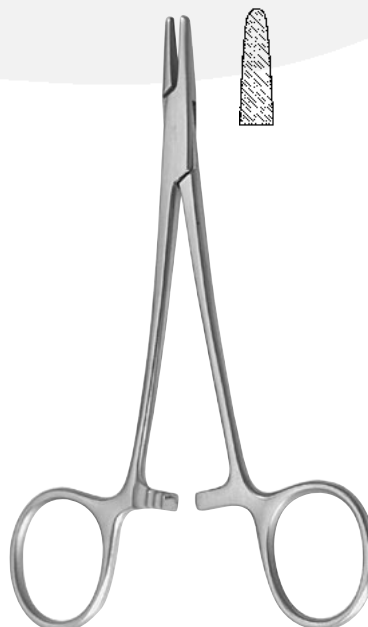
NEIVERT

019-220-130 13,0 cm / 5 1/8"



BAUMGARTNER

019-224-140 14,0 cm / 5 1/2"



BROWN

019-226-130 13,0 cm / 5 1/8"

019-226-180 18,0 cm / 7"



CRILE MURRAY

019-228-150 15,0 cm / 6"



CRILE WOOD

019-230-150 15,0 cm / 6"
019-230-180 18,0 cm / 7"
019-230-200 20,0 cm / 8"



ADSON

019-232-180 18,0 cm / 7"



METZENBAUM

019-234-180 18,0 cm / 7"



MASS.-GENERAL-HOSPITAL

019-236-170 17,0 cm / 6³/₄"



019-240-125



019-240-140



019-240-160



019-240-180



019-240-200



019-240-240



019-240-260



019-240-300

MAYO-HEGAR

019-240-125	12,5 cm / 5"
019-240-140	14,0 cm / 5½"
019-240-160	16,0 cm / 6¼"
019-240-180	18,0 cm / 7"
019-240-200	20,0 cm / 5½"
019-240-240	24,0 cm / 9½"
019-240-260	26,0 cm / 10¼"
019-240-300	30,0 cm / 11¾"



019-242-160



019-242-180

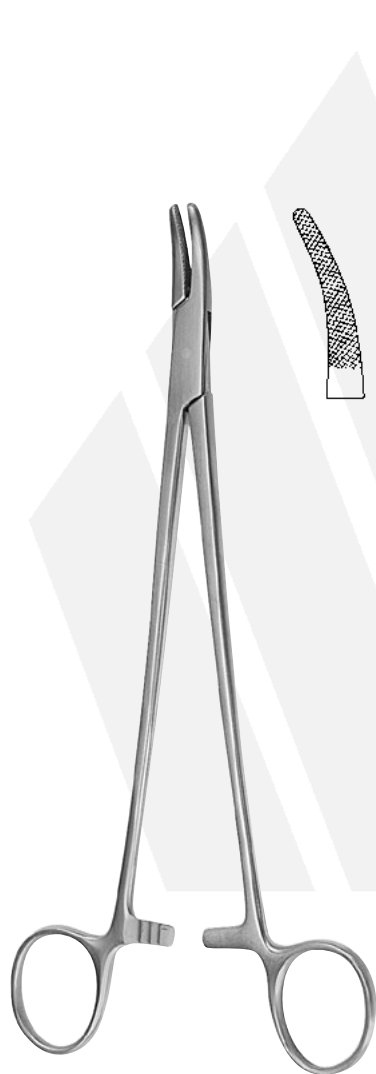


019-242-200

schlankes Modell
delicate pattern
modelo delgado
modello gracile

MAYO HEGAR

019-242-160	16,0 cm / 6¼"
019-242-180	18,0 cm / 7"
019-242-200	20,0 cm / 8"



HEANEY

019-245-210 21,0 cm / 8¹/₄"



JAMISON

019-248-235 23,5 cm / 9¹/₄"



MASSON

019-250-270 27,0 cm / 10¹/₂"



FINOCHIETTO

019-253-270 27,0 cm / 10¹/₂"



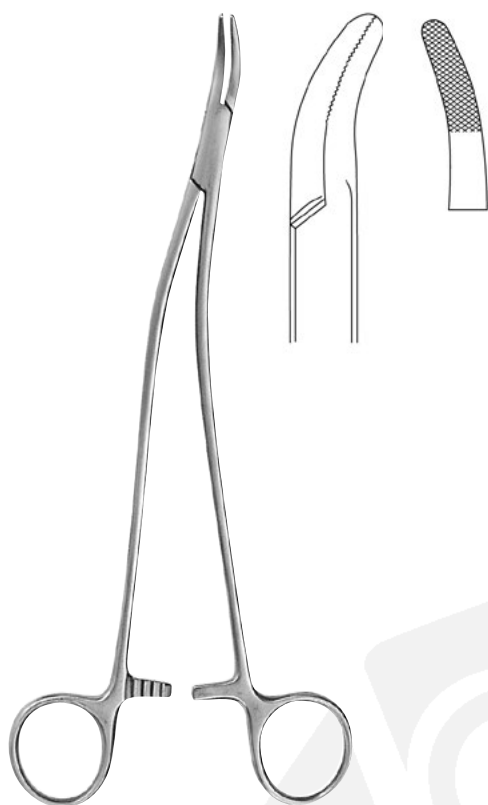
WANGENSTEEN

019-256-270 27,0 cm / 10¹/₂"



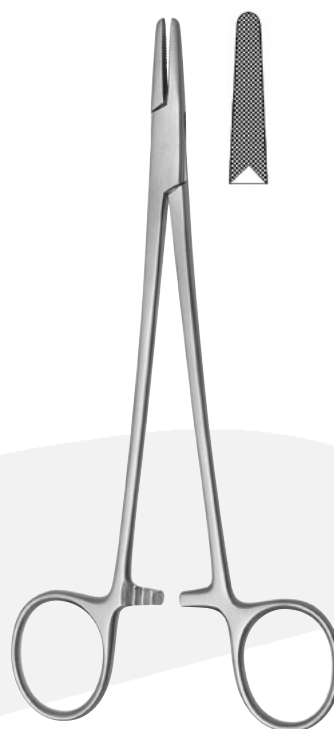
JOHNSON

019-257-270 27,0 cm / 10¹/₂"



STRATTE

019-259-230 23,0 cm / 9"



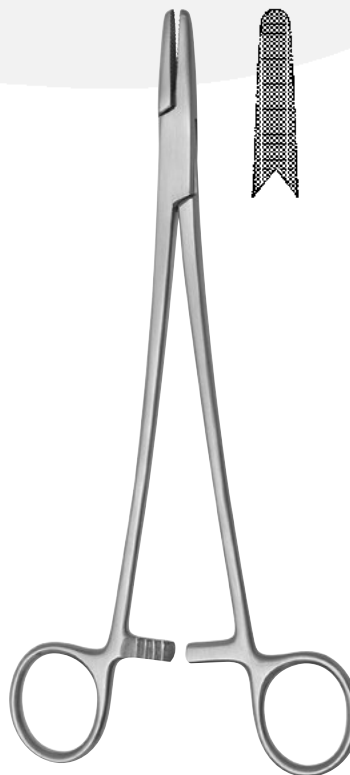
MAYO-HEGAR

019-260-165 16,5 cm / 6½"
019-260-190 19,0 cm / 7½"



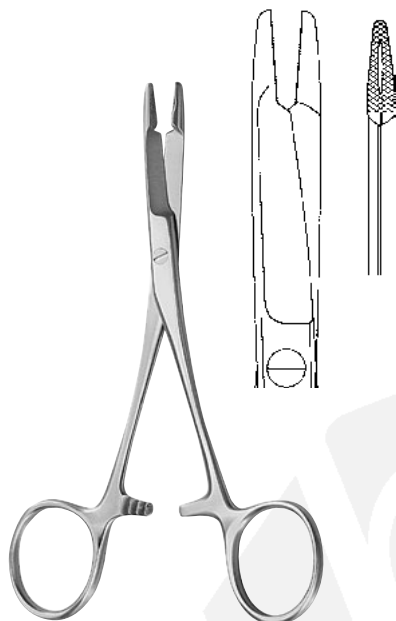
HEGAR

019-262-150 15,0 cm / 6"
019-262-175 17,5 cm / 7"
019-262-205 20,5 cm / 8"



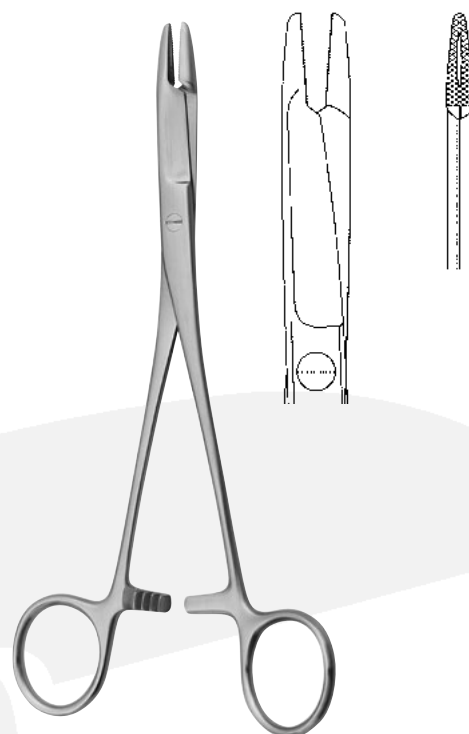
HEGAR

019-264-205 20,5 cm / 8"



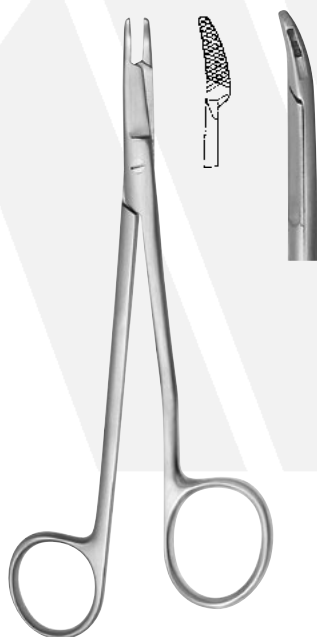
OLSEN-HEGAR

019-270-115 11,5 cm / 4 1/2"
019-270-140 14,0 cm / 5 1/2"



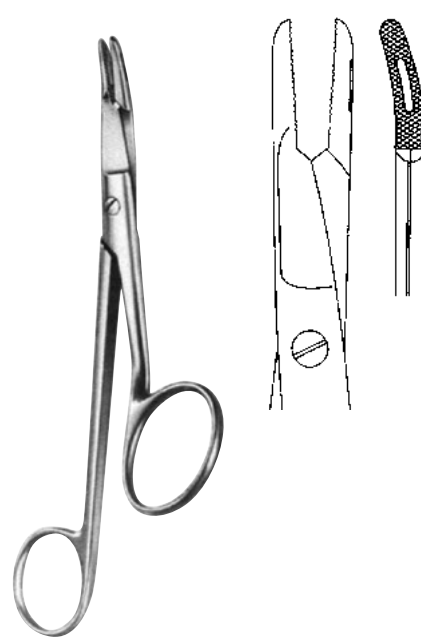
OLSEN-HEGAR

019-272-185 18,5 cm / 7 1/4"



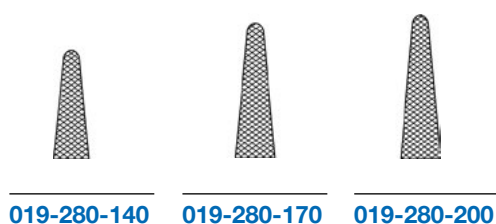
BABY-GILLIES

019-274-150 15,0 cm / 6"



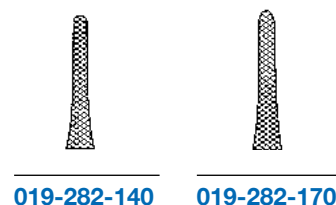
GILLIES

019-276-160 16,0 cm / 6 1/4"



MATHIEU

019-280-140	14,0 cm / 5½"
019-280-170	17,0 cm / 6¾"
019-280-200	20,0 cm / 8"



MATHIEU-KOCHER

019-282-140	14,0 cm / 5½"
019-282-170	17,0 cm / 6¾"



MATHIEU-RYDER

019-286-140	14,0 cm / 5½"
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TOENNIS

019-290-180	18,0 cm / 7"
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LICHTENBERG

019-292-200	20,0 cm / 8"
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Hartmetalleinlagen mit präzise gearbeitetem Pyramidenprofil garantieren einen sicheren Halt der Nadel.

Tungsten carbide inserts with precisely worked out structure guarantee to grip the needle securely.

Capas intermedias de carburo tungsteno con perfil amoldado piramidal que garantiza un sujeto seguro de la aguja.

Inserti in carburo di tungsteno che garantiscono una perfetta tenuta dell'ago.

Gebrochene Kanten verhindern ein Verfangen des Nahtmaterials.

Bevelled edges to prevent catching of suture material.

Bordes quebrados evitan que se enrede el material de sutura.

I bordi squadriati evitano che si impiglino i fili di sutura.

Vergoldete Ringe als leichte Kennzeichnung.

Gold-plated rings for easy identification.

Anillos dorados para fácil identificación

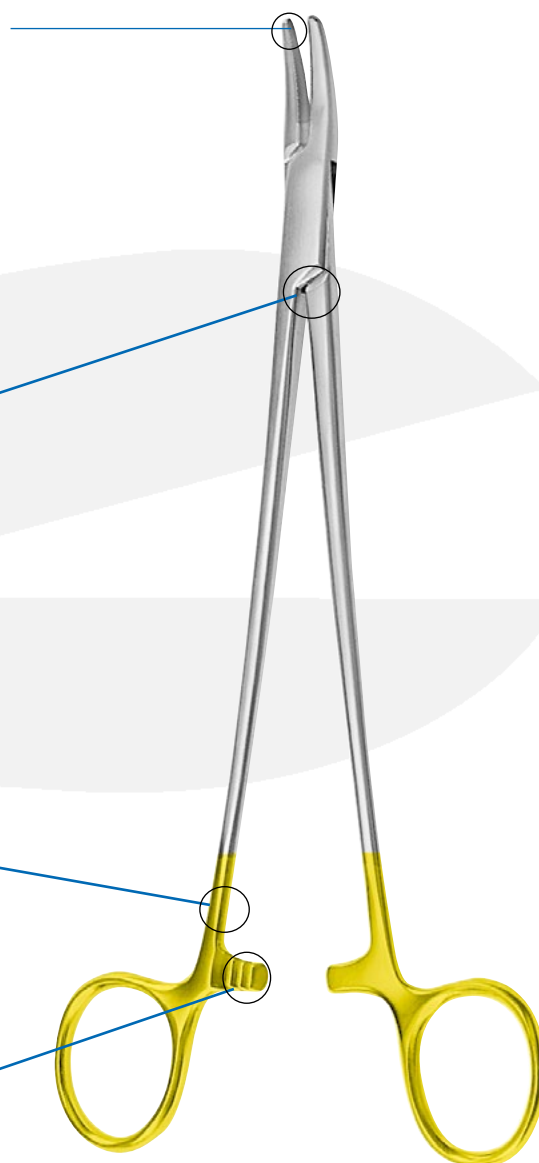
Anelli dorata permette una facile identificazione.

Leichtgängige Sperre ermöglicht eine sichere Arbeitsweise.

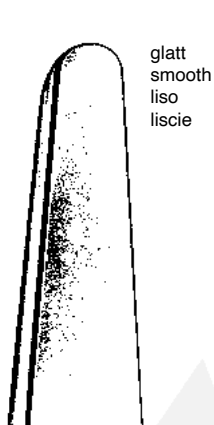
Soft working catch provides safe handling.

El cierre suave facilita un manejo seguro.

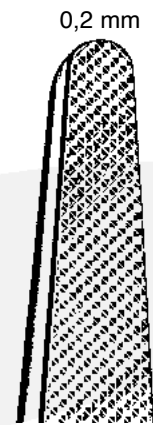
Il bloccaggio leggero e preciso facilita un uso sicuro.



Je nach Anwendungsgebiet stehen für TC Nadelhalter unterschiedliche Hartmetalleinlagen zur Verfügung:
 According to the field of application, there are various types of tungsten carbide inserts for TC needle holders:
 Según campo de aplicación, disponemos de TC porta-agujas con varias capas intermedias:
 A seconda delle necessità disponiamo di TC portaghi con varie capacità intermedie:



Zum Halten von extrem feinem Nahtmaterial.
 For holding the smallest suture sizes.
 Para sujetar suturas muy finas.
 Per lavorare con suture sottilissime



Zum Halten von Nahtmaterial der Stärken 7/0 bis 10/0.
 For holding the suture sizes from 7/0 to 10/0.
 Para sujetar suturas de gruesas 7/0 hasta 10/0.
 Per lavorare con suture da 7/0 a 10/0.



Zum Halten von Nahtmaterial der Stärken 4/0 bis 6/0.
 For holding the suture sizes from 4/0 to 6/0.
 Para sujetar suturas de gruesas 4/0 hasta 6/0.
 Per lavorare con suture da 4/0 a 6/0.



Zum Halten von Nahtmaterial der Stärke 3/0 und kräftiger.
 For holding the suture size 3/0 and larger.
 Para sujetar suturas de 3/0 y más gruesas.
 Per lavorare con suture da 3/0 in poi.



KALT

019-300-140 14,0 cm / 5½"



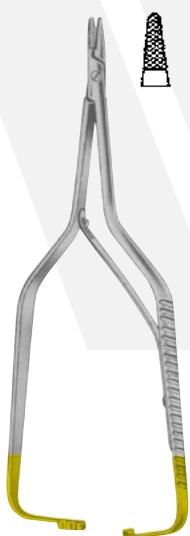
019-304-160



019-305-160

ARRUGA

019-304-160 – 019-305-160 16,0 cm / 6¼"



BOYTON

019-310-120 12,0 cm / 4¾"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-320-140 14,0 cm / 5½"
019-320-180 18,0 cm / 7"
019-320-220 22,0 cm / 8¾"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-321-140 14,0 cm / 5½"
019-321-180 18,0 cm / 7"
019-321-220 22,0 cm / 8¾"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-330-140 14,0 cm / 5½"
019-330-180 18,0 cm / 7"
019-330-220 22,0 cm / 8¾"



ohne Sperre
without ratchet
sin cierre
senza chiusura

CASTROVIEJO (JACOBSON)

019-331-140 14,0 cm / 5½"
019-331-180 18,0 cm / 7"
019-331-220 22,0 cm / 8¾"



mit Sperre
with ratchet
con cierre
con chiusura

CASTROVIEJO (JACOBSON)

019-340-140 14,0 cm / 5½"
019-340-180 18,0 cm / 7"
019-340-220 22,0 cm / 8¾"



mit Sperre
with ratchet
con cierre
con chiusura

CASTROVIEJO (JACOBSON)

019-341-140 14,0 cm / 5½"
019-341-180 18,0 cm / 7"
019-341-220 22,0 cm / 8¾"



CASTROVIEJO (JACOBSON)

019-350-140	14,0 cm / 5 1/2"
019-350-180	18,0 cm / 7"
019-350-220	22,0 cm / 8 3/4"

CASTROVIEJO (JACOBSON)

019-351-140	14,0 cm / 5 1/2"
019-351-180	18,0 cm / 7"
019-351-220	22,0 cm / 8 3/4"



019-360-180



019-361-180



BARRAQUER

019-360-180 – 019-361-180	18,0 cm / 7"
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BARRAQUER

019-370-180	18,0 cm / 7"
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BARRAQUER

019-371-140	14,0 cm / 5 1/2"
019-371-180	18,0 cm / 7"



BARRAQUER

019-380-180 18,0 cm / 7"
019-380-210 21,0 cm / 8 1/4"



BARRAQUER

019-381-180 18,0 cm / 7"
019-381-210 21,0 cm / 8 1/4"



BARRAQUER

019-390-180 18,0 cm / 7"
019-390-210 21,0 cm / 8 1/4"



BARRAQUER

019-391-140 14,0 cm / 5 1/2"
019-391-180 18,0 cm / 7"
019-391-210 21,0 cm / 8 1/4"



diamantbeschichtet
 diamond coated
 capa de diamante
 strato di diamante



diamantbeschichtet
 diamond coated
 capa de diamante
 strato di diamante

ohne Sperre
 without ratchet
 sub cierre
 senza chiusura

YASARGIL

019-400-225 22,5 cm / 9"

YASARGIL

019-401-225 22,5 cm / 9"



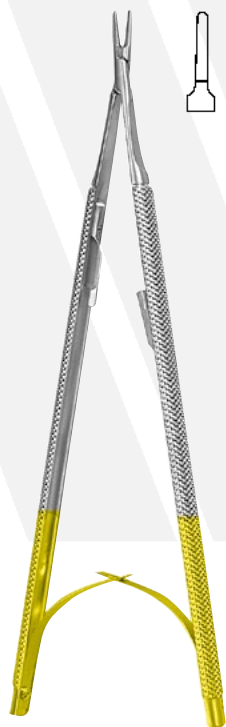
DIETHRICH

019-410-160	16,0 cm / 6 ¹ / ₄ "
019-410-180	18,0 cm / 7"
019-410-200	20,0 cm / 8"
019-410-230	23,0 cm / 9"
019-410-250	25,0 cm / 9 ³ / ₄ "



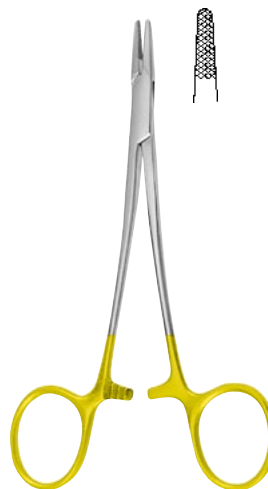
DIETHRICH

019-420-160	16,0 cm / 6 ¹ / ₄ "
019-420-180	18,0 cm / 7"
019-420-200	20,0 cm / 8"
019-420-230	23,0 cm / 9"
019-420-250	25,0 cm / 9 ³ / ₄ "



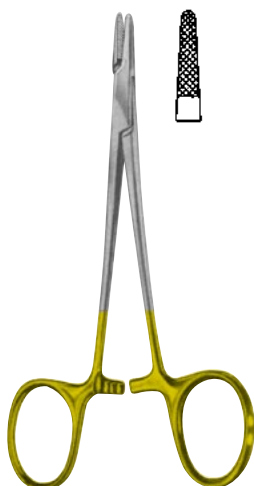
HEPP-SCHEIDEL

019-430-180	18,0 cm / 7"
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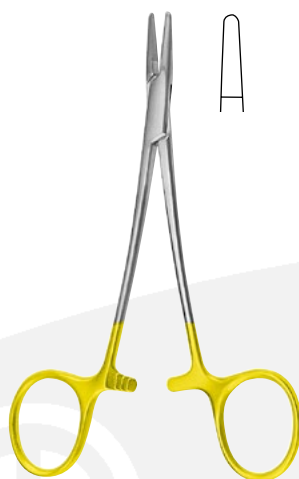
DERF

019-500-120	12,0 cm / 4 ³ / ₄ "
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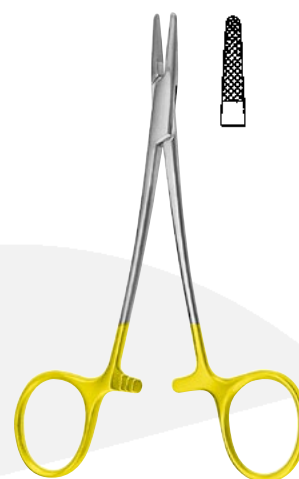
CONVERSE

019-504-120 12,0 cm / 4³/₄"



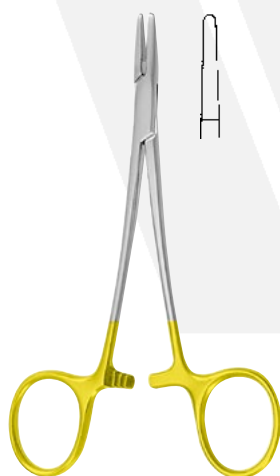
WEBSTER

019-510-115 11,5 cm / 4¹/₂"
019-510-130 13,0 cm / 5¹/₈"



WEBSTER

019-511-130 13,0 cm / 5¹/₈"



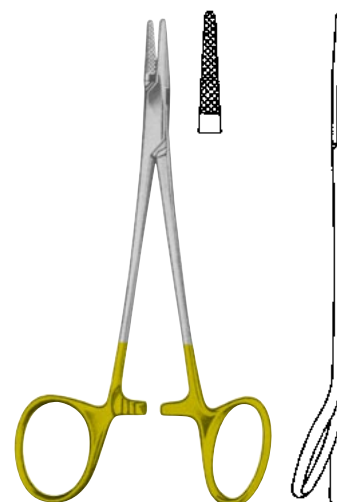
HALSEY

019-520-130 13,0 cm / 5¹/₈"



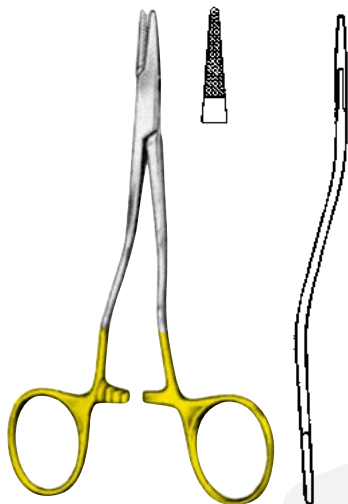
HALSEY

019-522-115 11,5 cm / 4¹/₂"
019-522-130 13,0 cm / 5¹/₈"



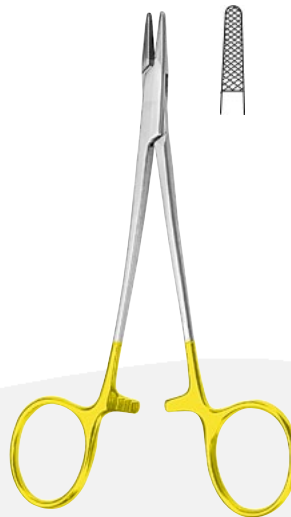
NEIVERT

019-530-130 13,0 cm / 5¹/₈"



KILNER

019-535-135 13,5 cm / 5 1/4"



BAUMGARTNER

019-540-125 12,5 cm / 5"
019-540-140 14,0 cm / 5 1/2"



019-550-140



019-550-160



019-550-180



019-550-200



019-550-240



019-550-260

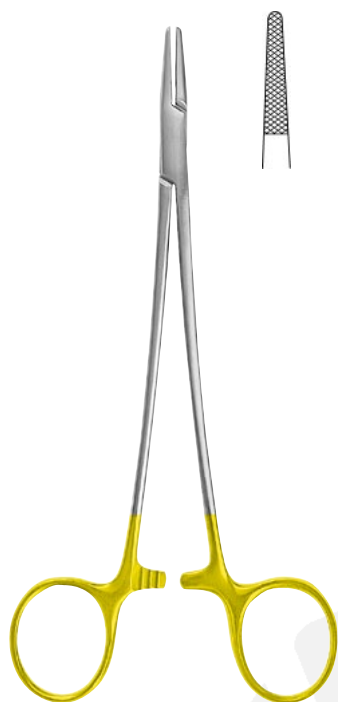


019-550-300



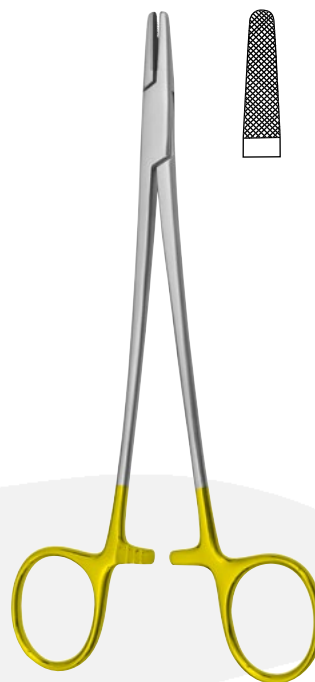
MAYO-HEGAR

019-550-140 14,0 cm / 5 1/2"
019-550-160 16,0 cm / 6 1/4"
019-550-180 18,0 cm / 7"
019-550-200 20,0 cm / 8"
019-550-240 24,0 cm / 9 1/2"
019-550-260 26,0 cm / 10 1/4"
019-550-300 30,0 cm / 11 3/4"



MAYO-HEGAR - SLENDER PATTERN

019-552-180 18,0 cm / 7"
019-552-200 20,0 cm / 8"



MAYO-HEGAR - HEAVY PATTERN

019-554-180 18,0 cm / 7"



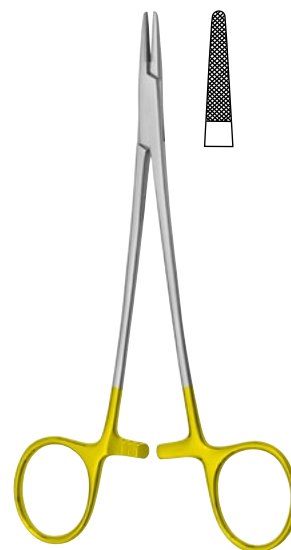
HEGAR

019-556-200 20,0 cm / 8"
019-556-240 24,0 cm / 9⁵/₈"



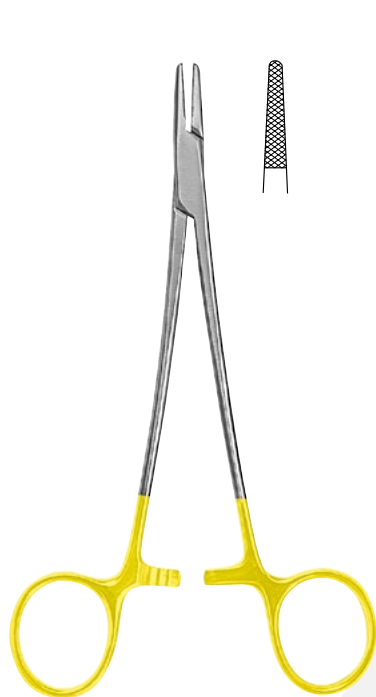
MAYO-HEGAR (HEANEY)

019-557-200 20,0 cm / 8"
019-557-240 24,0 cm / 9⁵/₈"
019-557-260 26,0 cm / 10¹/₄"



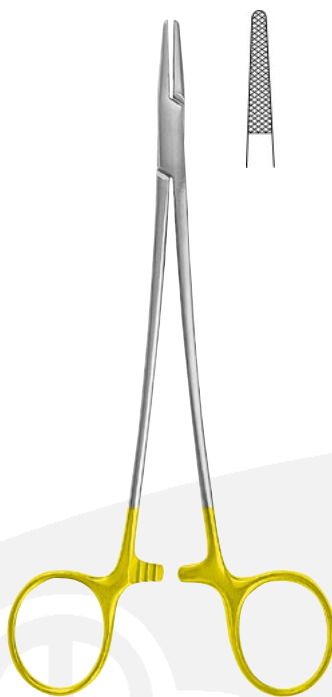
CRILE-WOOD BABY

019-560-150 15,0 cm / 6"



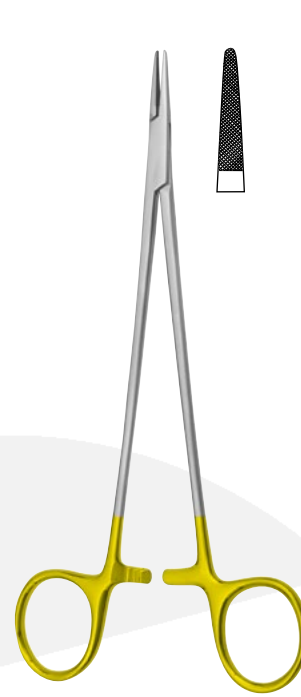
CRILE-WOOD

019-570-150	15,0 cm / 6"
019-570-180	18,0 cm / 7"
019-570-200	20,0 cm / 8"
019-570-230	23,0 cm / 9"
019-570-260	26,0 cm / 10 1/4"



DEBAKEY

019-580-150	15,0 cm / 6"
019-580-165	16,5 cm / 6 1/2"
019-580-180	18,0 cm / 7"
019-580-200	20,0 cm / 8"
019-580-230	23,0 cm / 9"
019-580-260	26,0 cm / 10 1/4"
019-580-310	31,0 cm / 12 1/4"

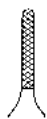


MIKRO-SLIM

019-586-150	15,0 cm / 6"
019-586-180	18,0 cm / 7"
019-586-200	20,0 cm / 8"
019-586-230	23,0 cm / 9"



019-590-130



019-590-150



019-590-180



019-590-200



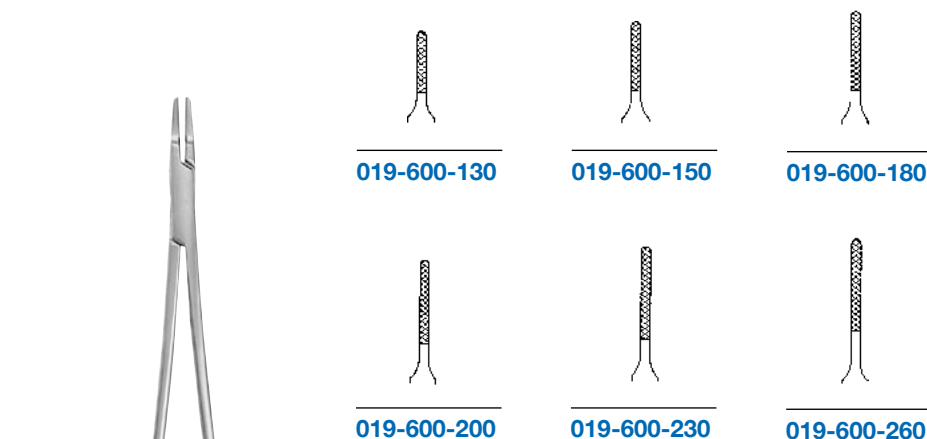
019-590-230



019-590-260

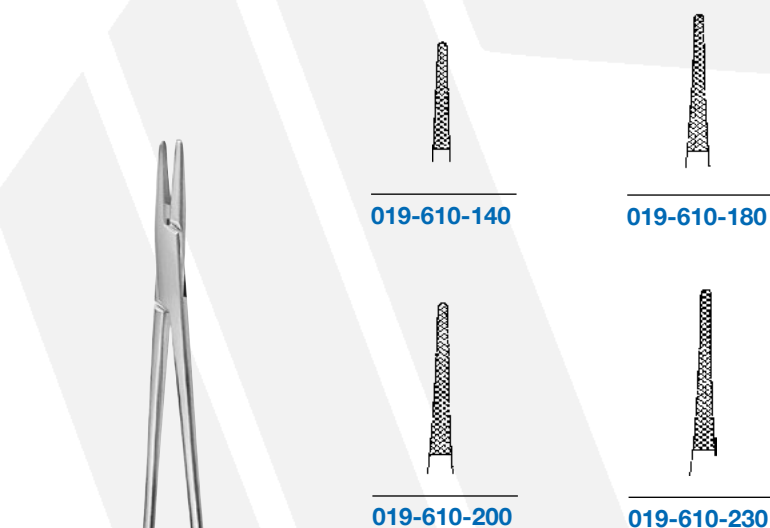
RYDER-FRENCH EYE

019-590-130	13,0 cm / 5 1/8"
019-590-150	15,0 cm / 6"
019-590-180	18,0 cm / 7"
019-590-200	20,0 cm / 8"
019-590-230	23,0 cm / 9"
019-590-260	26,0 cm / 10 1/4"



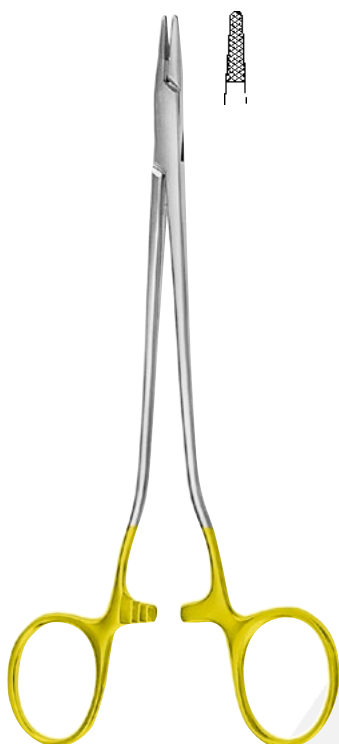
RYDER-MINI

019-600-130	13,0 cm / 5 $\frac{1}{8}$ "
019-600-150	15,0 cm / 6"
019-600-180	18,0 cm / 7"
019-600-200	20,0 cm / 8"
019-600-230	23,0 cm / 9"
019-600-260	26,0 cm / 10 $\frac{1}{4}$ "



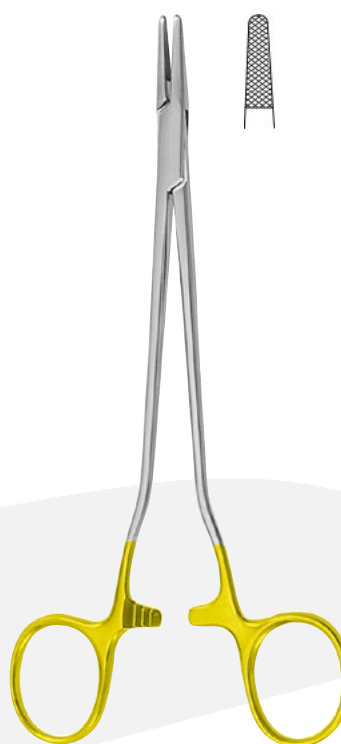
HEGAR-VASCULAR

019-610-140	14,0 cm / 5 $\frac{1}{2}$ "
019-610-180	18,0 cm / 7"
019-610-200	20,0 cm / 8"
019-610-230	23,0 cm / 9"



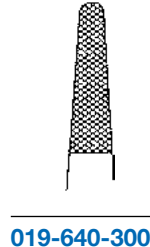
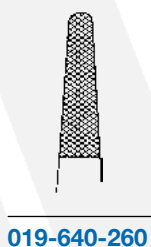
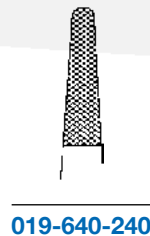
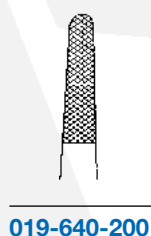
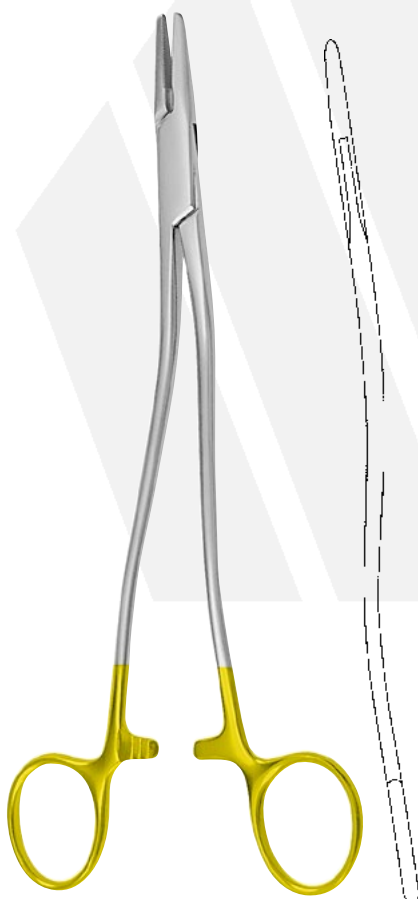
SENNING

019-620-150	15,0 cm / 6"
019-620-170	17,0 cm / 6 ³ / ₄ "
019-620-200	20,0 cm / 8"



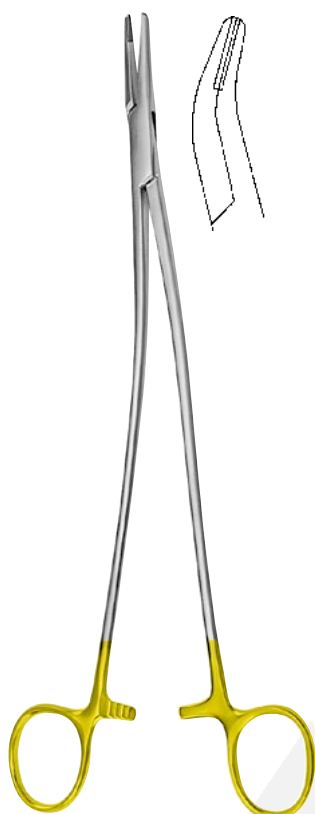
SAROT

019-630-180	18,0 cm / 7"
019-630-200	20,0 cm / 8"
019-630-230	23,0 cm / 9"
019-630-260	26,0 cm / 10 ¹ / ₄ "



BOZEMANN

019-640-200	20,0 cm / 8"
019-640-240	24,0 cm / 9 ¹ / ₂ "
019-640-260	26,0 cm / 10 ¹ / ₄ "
019-640-300	30,0 cm / 11 ³ / ₄ "



019-644-210

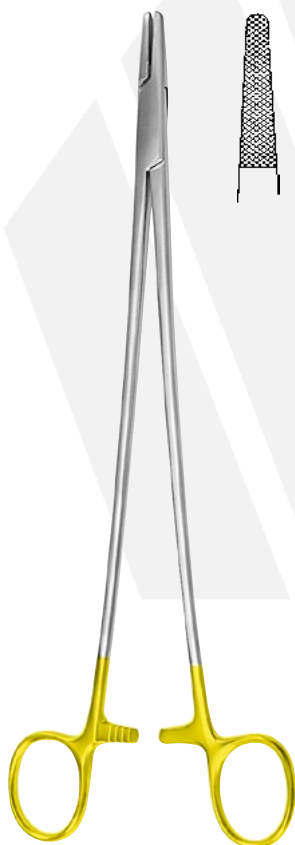


019-644-230



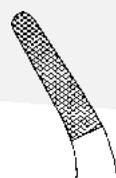
STRATTE

019-644-210 21,0 cm / 8¹/₄"
 019-644-230 23,0 cm / 9"



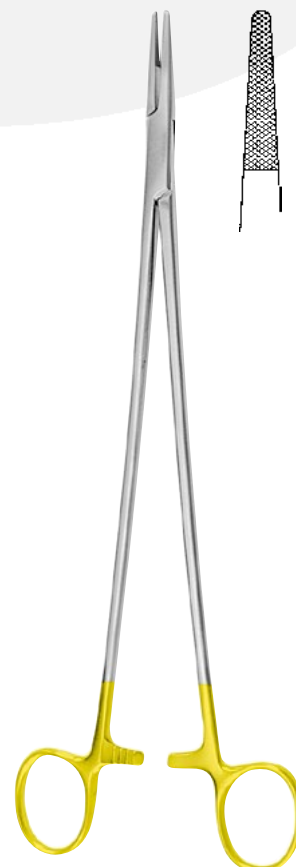
MASSON

019-650-270 27,0 cm / 10¹/₄"



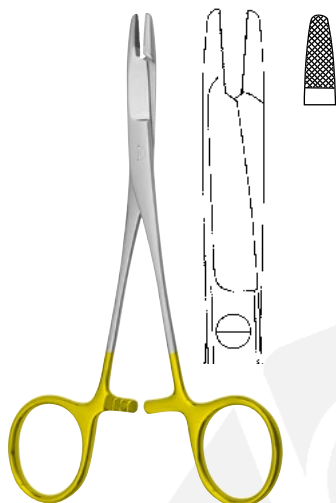
FINOCHIETTO

019-651-270 27,0 cm / 10¹/₄"



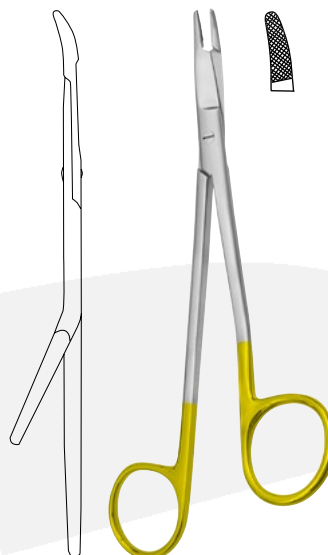
WANGENSTEEN

019-654-270 28,0 cm / 11"



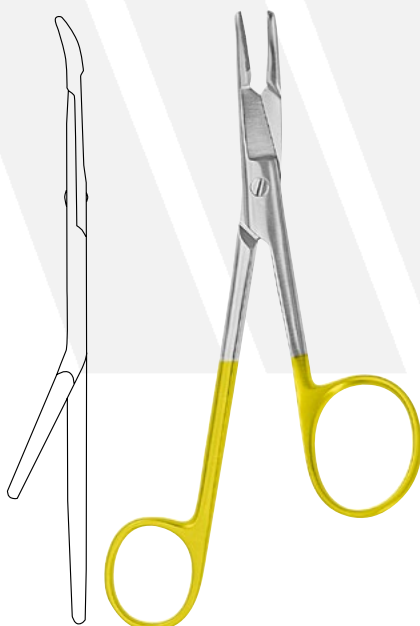
OLSEN-HEGAR

019-660-115	11,5 cm / 4 ¹ / ₂ "
019-660-140	14,0 cm / 5 ¹ / ₂ "
019-660-170	17,0 cm / 6 ³ / ₄ "
019-660-185	18,5 cm / 7 ¹ / ₄ "



BABY-GILLIES

019-662-150	15,0 cm / 6"
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GILLIES

019-664-160	16,0 cm / 6 ¹ / ₄ "
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019-670-140



019-670-170



019-670-200



019-670-240

MATHIEU

019-670-140	14,0 cm / 5 1/2"
019-670-170	17,0 cm / 6 3/4"
019-670-200	20,0 cm / 8"
019-670-240	24,0 cm / 9 1/2"



019-672-140



019-672-170



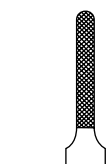
019-672-200

MATHIEU-KOCHER

019-672-140	14,0 cm / 5 1/2"
019-672-170	17,0 cm / 6 3/4"
019-672-200	20,0 cm / 8"



019-674-140



019-674-170



019-674-200

MATHIEU-RYDER

019-674-140	14,0 cm / 5½"
019-674-170	17,0 cm / 6¾"
019-674-200	20,0 cm / 8"



019-680-140



019-680-170



019-680-200

MATHIEU

019-680-140	14,0 cm / 5½"
019-680-170	17,0 cm / 6¾"
019-680-200	20,0 cm / 8"



019-690-160



019-690-180



019-690-200

LANGENBECK

019-690-160	16,0 cm / 6¼"
019-690-180	18,0 cm / 7"
019-690-200	20,0 cm / 8"



CRILE

019-696-150 15,0 cm / 6"



TOENNIS

019-696-180 18,0 cm / 7"



LICHTENBERG

019-700-170 17,0 cm / 6³/₄"
019-700-200 20,0 cm / 8"



LICHTENBERG

019-701-170 17,0 cm / 6³/₄"



HÖSEL

019-710-200 20,0 cm / 8"

mit langem Hals
 with long neck
 con cuello largo
 con collo lungo



019-714-200



019-714-230



mit langem Hals
 with long neck
 con cuello largo
 con collo lungo

ZWEIFEL

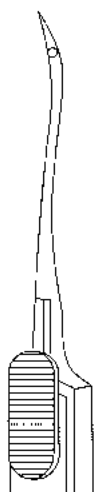
019-714-200 20,0 cm / 8"
 019-714-230 23,0 cm / 9"

HÖSEL

019-720-260 26,0 cm / 10³/₄"



019-750-001



019-750-002



019-750-003



019-750-004

REVERDIN

019-750-001 - 019-750-004

14,0 cm / 5 1/2"



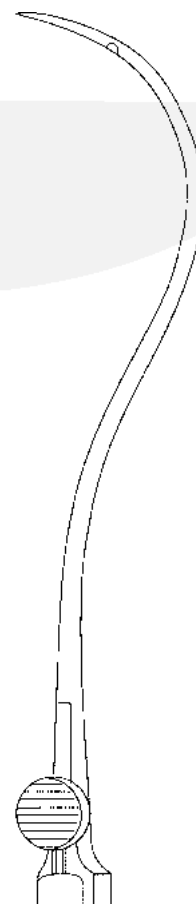
019-752-001
019-754-001



019-752-002
019-754-002



019-752-003
019-754-003



019-752-004
019-754-004

REVERDIN

019-752-001 - 019-752-004
019-754-001 - 019-754-004

19,0 cm / 7 1/2"
23,0 cm / 9"



Fig. 1
019-761-001

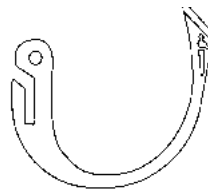


Fig. 2
019-761-002

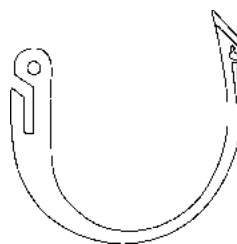


Fig. 3
019-761-003

komplett mit Nadel Fig.1
complete with needle Fig.1
completo con agoja Fig.1
completo con ago Fig.1

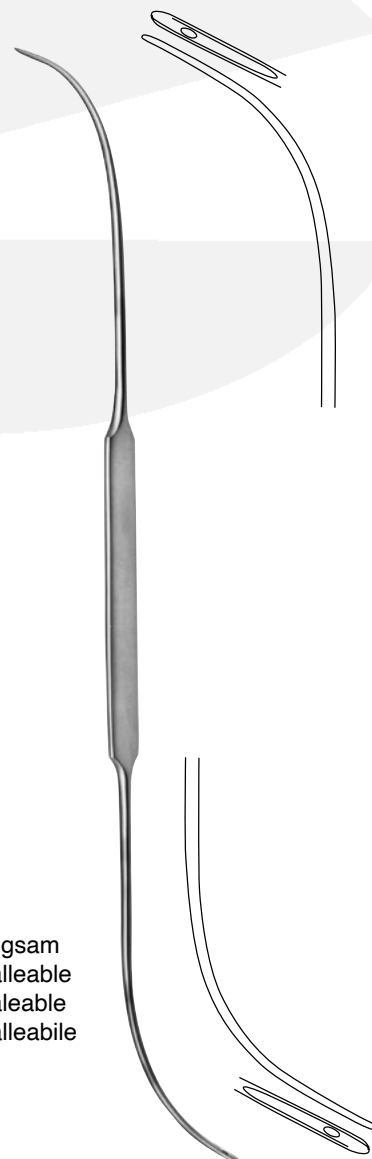
YOUNG

019-760-240 24,0 cm / 9 1/2"



SCHMIEDEN

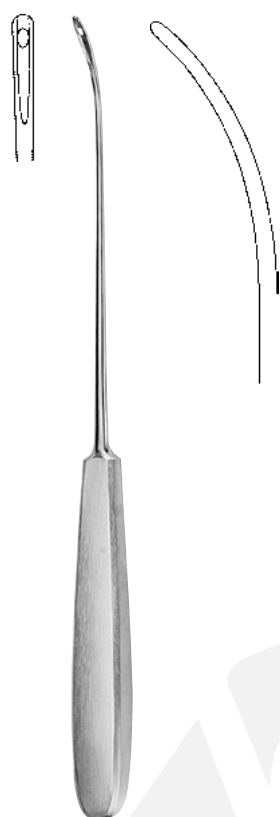
019-771-240 24,0 cm / 9 1/2"



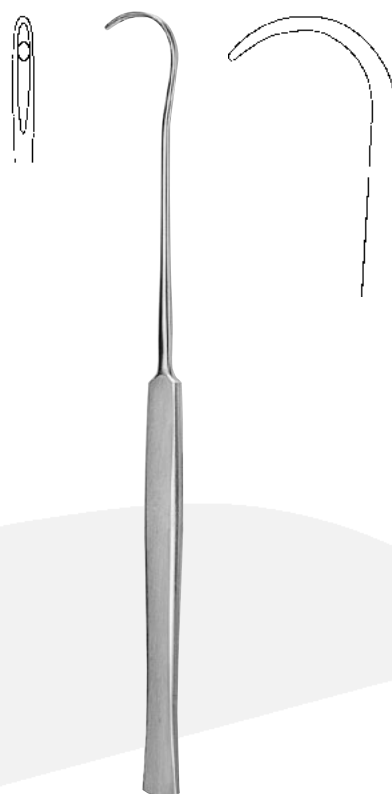
biegsam
malleable
maleable
malleabile

SCHMIEDEN-DICK

019-773-300 30,0 cm / 11 3/4"



019-781-200 20,0 cm / 8"



COOPER

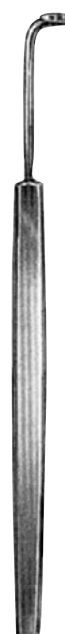
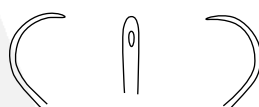
019-783-190 19,0 cm / 7½"



fein
für die rechte Hand
delicate
for right hand
fina
para la mano derecha
fino
per la mano destra

KRONECKER

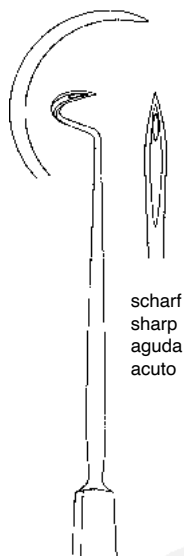
019-785-130 13,0 cm / 5⅛"



fein
für die linke Hand
delicate
for left hand
fina
para la mano izquierda
fino
per la mano sinistra

KRONECKER

019-787-130 13,0 cm / 5⅛"

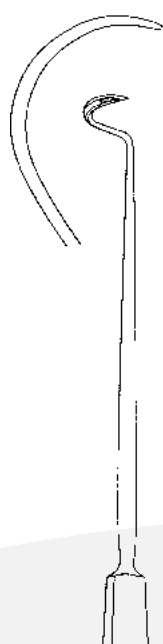


scharf
sharp
aguda
acuto

für die rechte Hand
for the right hand
para la mano derecha
per la mano destra

DESCHAMPS

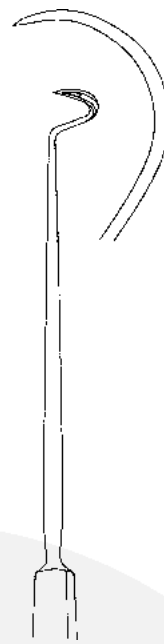
019-800-200 20,0 cm / 8"



scharf
sharp
aguda
acuto

019-800-210
019-800-270

für die rechte Hand
for the right hand
para la mano derecha
per la mano destra

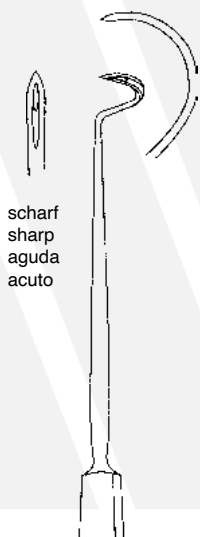


019-801-210
019-801-270

für die linke Hand
for the left hand
para la mano izquierda
per la mano sinistra

DESCHAMPS

019-800-210 - 019-801-210 21,0 cm / 8 1/4"
019-800-270 - 019-801-270 27,0 cm / 10 1/4"

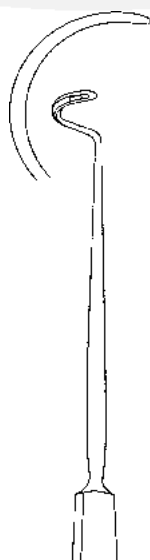


scharf
sharp
aguda
acuto

für die linke Hand
for the left hand
para la mano izquierda
per la mano sinistra

DESCHAMPS

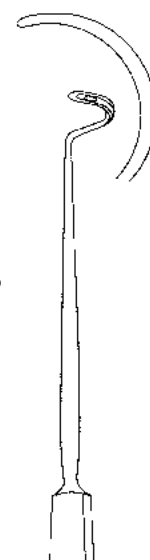
019-801-200 20,0 cm / 8"



stumpf
blunt
roma
smusso

019-810-200

für die rechte Hand
for the right hand
para la mano derecha
per la mano destra

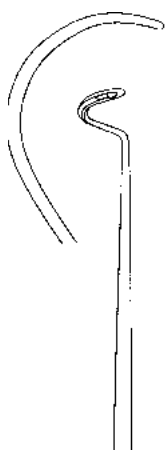


019-811-200

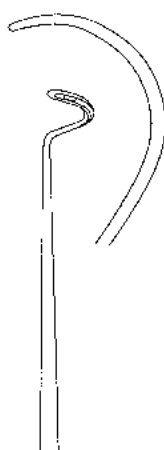
für die linke Hand
for the left hand
para la mano izquierda
per la mano sinistra

DESCHAMPS

20,0 cm / 8"



stumpf
blunt
roma
smusso



019-810-210
019-810-240

für die rechte Hand
for the right hand
para la mano derecha
per la mano destra

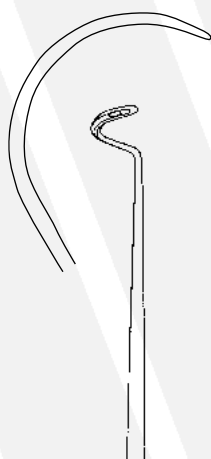
019-811-210
019-811-240

für die linke Hand
for the left hand
para la mano izquierda
per la mano sinistra

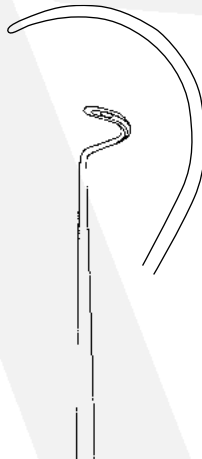
DESCHAMPS

019-810-210 - 019-811-210
019-810-240 - 019-811-240

21,0 cm / 8 1/4"
24,0 cm / 9 1/2"



stumpf
blunt
roma
smusso

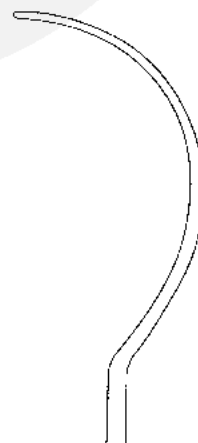


019-810-270
019-810-280

für die rechte Hand
for the right hand
para la mano derecha
per la mano destra

019-811-270
019-811-280

für die linke Hand
for the left hand
para la mano izquierda
per la mano sinistra



019-820-001

019-820-002

DESCHAMPS

019-810-270 - 019-811-270
019-810-280 - 019-811-280

24,0 cm / 9 1/2"
28,0 cm / 11"

BRUNNER

019-820-001 - 019-820-002

30,0 cm / 11 3/4"



019-824-001

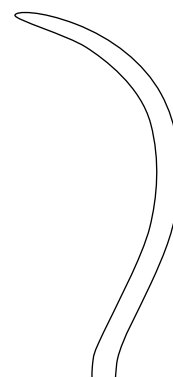


019-824-002

BRUNNER

019-824-001 - 019-824-002

30,0 cm / 11³/₄"



KIRSCHNER

019-829-255

25,5 cm / 10"



FRIMED

019-833-195

19,5 cm / 7³/₄"



KÖNIG

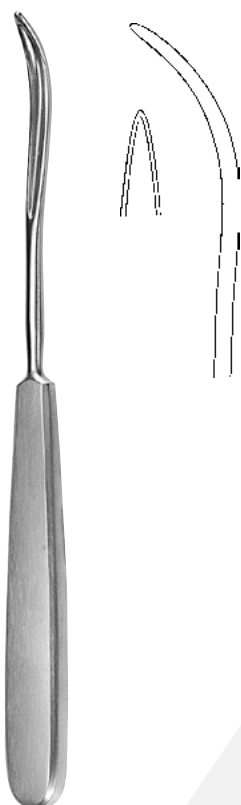
019-841-001

19,5 cm / 7³/₄"

KIRSCHNER

019-829-280

28,0 cm / 11"



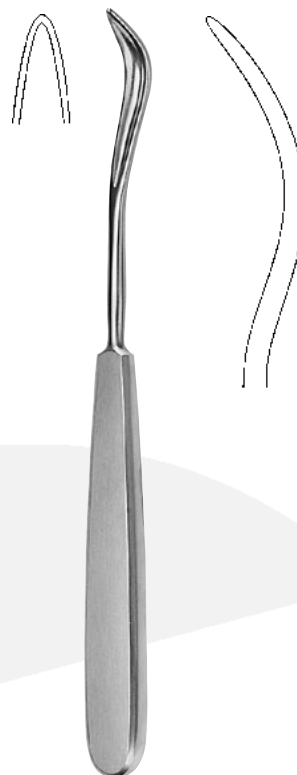
KÖNIG

019-841-002 19,5 cm / 7³/₄"



KÖNIG

019-841-003 19,5 cm / 7³/₄"



SCHMIEDEN

019-845-190 19,0 cm / 7¹/₂"



SCHMIEDEN-PAYR

019-847-190 19,0 cm / 7¹/₂"



PAYR

019-850-220 22,0 cm / 8⁵/₈"



PAYR

019-851-220 22,0 cm / 8⁵/₈"



MOD. WIEN

019-856-235 23,5 cm / 9¹/₄"



BOZEMANN

019-858-210 21,0 cm / 8¹/₄"



FRIMED

019-860-230 23,0 cm / 9"



BRUNNER

019-871-180 18,0 cm / 7"
019-871-270 27,0 cm / 10³/₄"



KIRSCHNER

019-873-270 27,0 cm / 10³/₄"



FERROZELL

019-875-190 19,0 cm / 7¹/₂"



FERROZELL

019-877-185 18,5 cm / 7¹/₄"



FERROZELL

019-878-240 24,0 cm / 9¹/₂"



CHILDE

019-901-180 18,0 cm / 7"

kräftig, mit Klammerschiene
 heavy pattern, with clip holder
 modelo fuerte, con porta-agrafe
 modello forte, con porta-agrafe



MICHEL

019-902-120 12,0 cm / 4³/₄"

zum Anlegen und Abnehmen der Klammern
 for applying and removal of clips
 para aplicar y quitar agrafes
 per applicare e togliere le agrafe



HEGENBARTH

019-904-120 12,0 cm / 4³/₄"



WACHENFELDT

019-906-125 12,5 cm / 5"



MICHEL

019-910-120 12,0 cm / 4³/₄"



langes Maul
 long jaw
 boca larga
 morso lungo

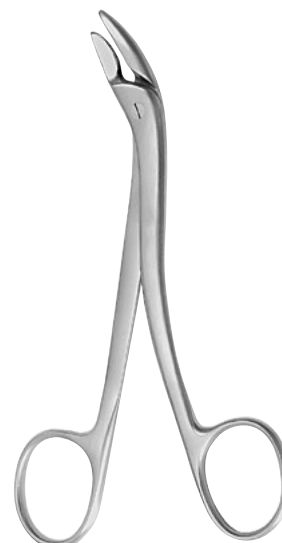
MOD. MICHEL

019-912-120 12,0 cm / 4³/₄"



COLLIN

019-914-130 13,0 cm / 5"



RICHTER-HEATH

019-915-140 14,0 cm / 5¹/₂"