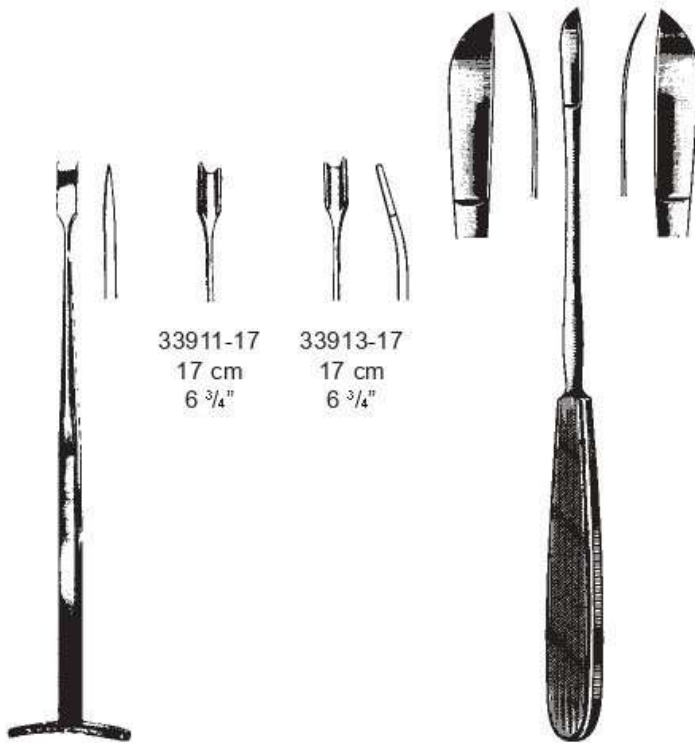


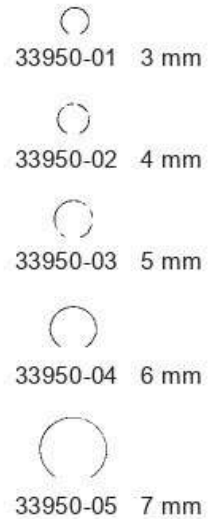
Sehnenschäler, Sehnenfaßpinzette, Sehnenhaltezange, Sehnenfaßinstrumente
 Tendon seizing instruments
 Instrumentos para coger tendones
 Enucleatore di tendine, Strumenti per afferrare tendini



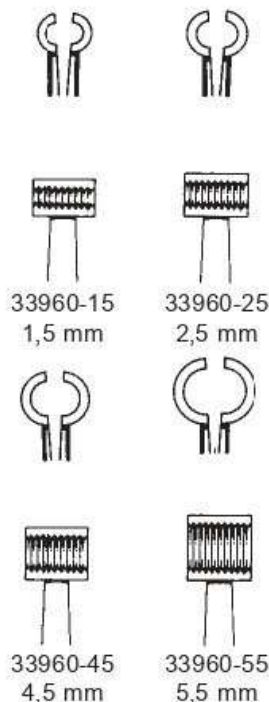
SMILLIE
 33910-17
 17 cm, 6 3/4"

NEFF
 33921-22 - 33923-22
 22 cm, 8 3/4"

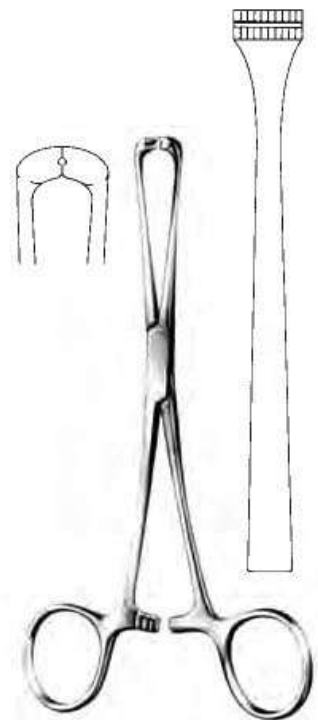
BUNELL
 33950-01 - 33950-05
 15 cm, 6"



LARSEN
 33960-15 - 33960-55
 10 cm, 4"

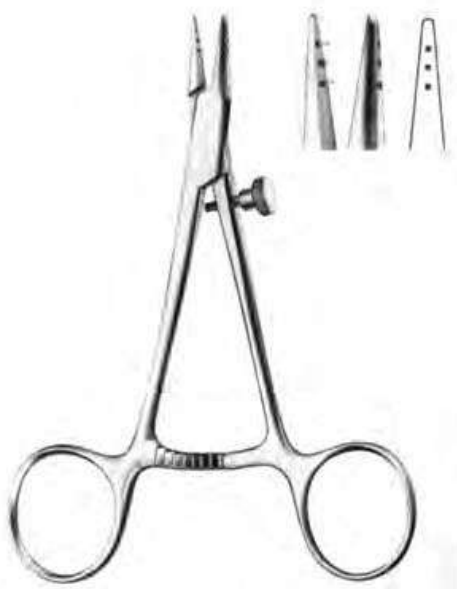


JACKSON
 33961-15
 15 cm, 6"



STEINMANN
 33962-16
 16 cm, 6 1/4"

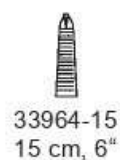
Sehnenfaßinstrumente, Sehnenführer
Tendon seizing instruments, Tendon passing instr.
Instrumentos para coger tendones, Instrumento p. el tunel del tendon
Strumenti per afferrare tendini



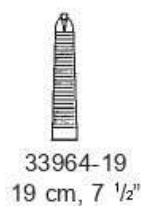
33963-12
12 cm, 4 ³/₄"



BRAND
33964-15 - 33964-24



33964-15
15 cm, 6"



33964-19
19 cm, 7 ¹/₂"



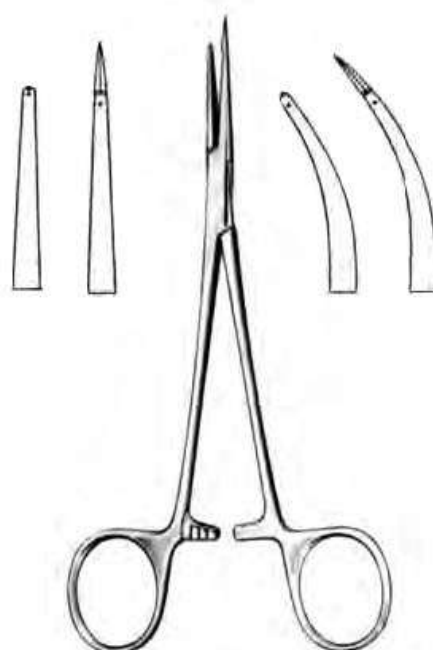
33964-24
24 cm, 9 ¹/₂"



BRAND
33965-15 15 cm, 6"
33965-19 19 cm, 7 ¹/₂"
33965-24 24 cm, 9 ¹/₂"



CAROLL
33966-11
11 cm, 4 ³/₈"



33966-15 15 cm, 6" 33967-15

Sehnenfassinstrumente, Sehnenstripper, Knochenfeilen, Raspeln
 Tendon seizing instruments, Tendon Strippers, Bone Files, Rasps
 Instrumentos para coger tendones, Enucleadores de tendones, Limas, Escofinas
 Strumenti per afferrare tendini, Scollatendini, Lime per ossa, Raspe



KLEINERT-KUTZ
 33967-20
 20 cm, 8"



BRAND

ø 3 mm



33968-30
 30 cm, 11 3/4"

ø 6 mm



33968-60
 50 cm, 19 1/2"



biegsam
 malleable
 maleable
 malleabile

BUNELL

33969-18 18 cm, 7"
 33969-23 23 cm, 9"



biegsamer Schaft
 flexible shaft
 vastago maleable
 camicia flessibile

BUNELL 23 cm

33970-01 ø 4,0 mm
 33970-02 ø 4,5 mm
 33970-03 ø 5,5 mm



33971-24
 24,5 cm, 9 3/4"



33972-22
 22 cm, 8 3/4"



PUTTI
 33973-27
 27 cm, 10 1/2"



PUTTI
 33975-30
 30 cm, 11 3/4"



33977-28
 28 cm, 11"



Komprimeter
Pneumatic Tourniquet
Torniquete neumático
Apparecchio di compressione



34101-01
compl.

Gerät zur Erzeugung von Blutleere in den Gliedmaßen
Compression Apparatus for producing blood vacuum in limbs
Aparato de compresión para producir el vacío de sangre en los miembros
Vacumentro per determinare vuoti di sangue nelle membra

34101-02
Pumpe
Air Pump
Bomba de aire
Pompa di aria

34101-03
Manometer
Manometer
Manómetro
Manometro

34101-04
Oberarmmanschette
Cuff for upper arm
Brazaletes (brazo)
Bracciale
34101-06 incl.

34101-05
Oberschenkelmanschette
Cuff (leg)
Brazaletes (pierna)
Cosciale
34101-07 incl.

34101-06
Polster für Oberarmmanschette 46 x 6 cm (18" x 2.4")
Bandage cuff for arm 46 x 6 cm (18" x 2.4")
Brazaletes para brazo 46 x 6 cm (18" x 2.4")
Bracciale per braccio superiore 46 x 6 cm (18" x 2.4")

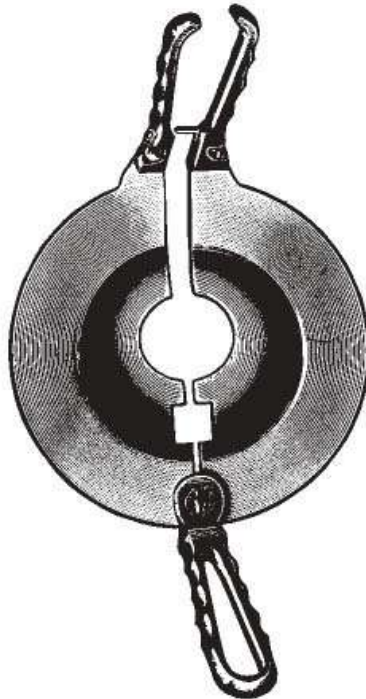
34101-07
Polster für Oberschenkelmanschette 55 x 10 cm (21 1/2 x 10")
Bandage cuff for leg 55 x 10 cm (21 1/2 x 10")
Brazaletes para el fémur 55 x 10 cm (21 1/2 x 10")
Bracciale per coscia superiore 55 x 10 cm (21 1/2 x 10")

Amputations- und Resektionssägen
Amputation and Resection Saws
Sierras para amputación y resección
Seghe per amputazione e resezione

Staubbinde
Compression bandage
Vendaje de compresión
Benda per compressione
5 m lang / long
6 cm breit / wide



ESMARCH
34105-01



PERCY
34110-00



CHARRIERE
34112-00

34112-01
12 mm

Ersatzsägeblätter
Spare saw blades
Hojas de sierra de
repuesto
Lame di ricambio

34112-02
15 mm

Ersatzsägeblätter
Spare saw blades
Hojas de sierra de
repuesto
Lame di ricambio

komplett mit 2 Blättern
complete with 2 blades
completo con 2 hojas
completa con 2 lame



mit 3 Sägeblätter
4 - 6 - 8 mm
con 3 hojas de repuesto
with 3 spare blade
con 3 lame di ricambio

BIER
34114-39
40,5 cm, 16"



CHARRIERE
34116-30
30 cm, 11 3/4"

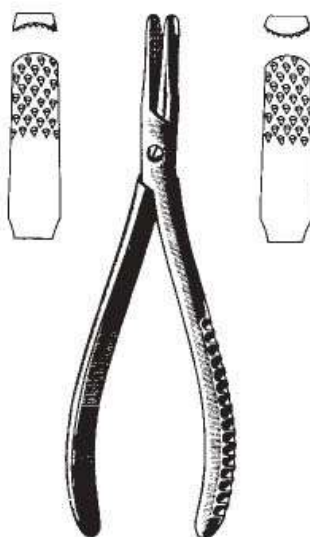


SATTERLEE
34118-31
31 cm, 12 1/4"



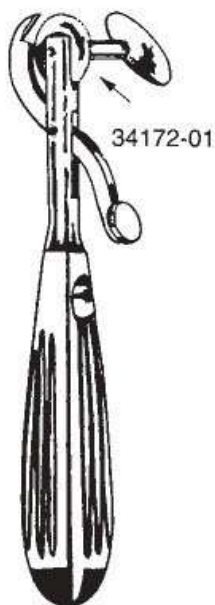
LANGENBECK
34120-23
23 cm, 9"

Nagelausreißzange, Fingerringsägen
 Fcps. f. tearing out finger nails, Finger Ring Saws
 Pinzas para arrancar uñas, Sierras para abrir anillos
 Pinze per lacerazione delle unghie, Seghe per anelli



RADOLF

34161-13	13,5 cm, 5 1/4"	3 mm
34162-13	13,5 cm, 5 1/4"	6 mm



WALTON
34172-00

Sägeblatt
 Saw blade
 Hoja de sierra
 Lama di ricambio

34172-01

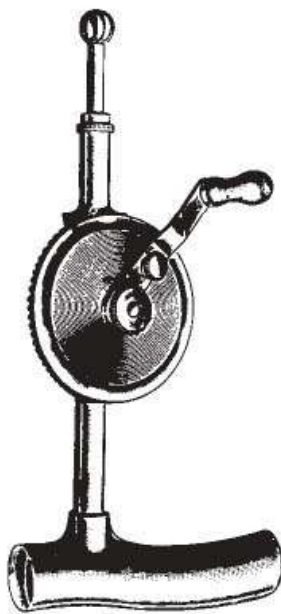


REDA
34175-00

Sägeblatt
 Saw blade
 Hoja de sierra
 Lama di ricambio

34175-01

Bohrapparate
Bone Hand Drills
Perforador de mano
Perforatori a mano



STILLE
34210-20 20 cm, 8"
compl. incl. 34212-25 - 34214-16



34212-25
2,5 mm



34212-30
3,0 mm



34212-35
3,5 mm



34212-40
4,0 mm



34214-05
10 mm



34214-08
5 mm



34214-10
8 mm



34214-12
12 mm



34214-16
16 mm



34216-10
1,0 mm



34216-15
1,5 mm



34216-20
2,0 mm



STILLE-SHERMAN
34220-24 24 cm, 9 1/2"
compl. incl. 34222-25 - 34222-35



34222-25
2,5 mm



34222-30
3,0 mm



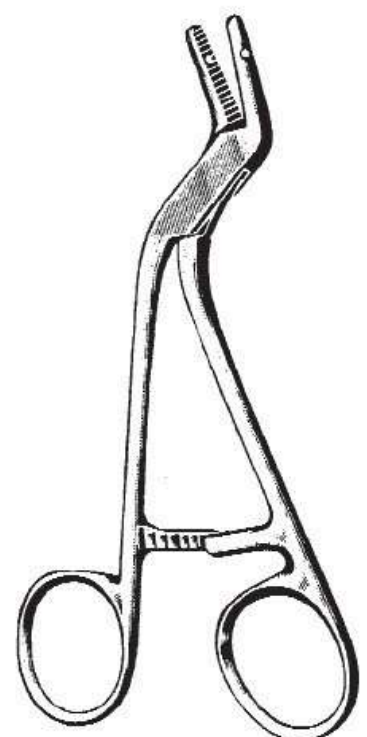
34222-35
3,5 mm



34232-00



MOORE
34230-28 28 cm, 11"
compl. incl. 34232-00



ADSON
34231-15
15 cm, 6"

Bohrapparate
Bone Hand Drills
Perforador de mano
Perforatori a mano



34241-00
Griff allein
Handle only
Mango solo
Manico solo

HUDSON

34240-27 27 cm, 10 1/2"
compl. incl. 34242-09, -14, -16, -22,
34246-00



34242-09
9 mm



34242-14
14 mm



34242-16
16 mm



34242-22
22 mm



ø 2 mm
34243-02



CUSHING
34244-10
34244-14
34244-16



ERRICO
34244-17
ø 16 mm



MC KENZIE
34248-00
ø 13 mm



34246-00
Verlängerungsstück
Extension piece
Pieza alargadera
Giunto di prolungamento



KIRSCHNER
34250-00 compl.



34252-00



BUNELL
34270-00 16 cm, 6 1/4"

34270-01
Schlüssel
Wrench
Llave
Chiave

Bohrapparat 16 cm (6 1/4"), längsdurchbohrt mit Dreibackenspannfutter und Schlüssel, Spannweite bis 4 mm
Hand drill, 16 cm (6 1/4"), longitudinally bored, with three-jaw-chuck and key, opening up to 4 mm
Perforador manual, 16 cm (6 1/4"), taladrado longitudinalmente, con mandril de tres mordazas y llave, abriendo hasta 4 mm
Perforatore a mano, 16 cm (6 1/4"), con perforazione assiale, con mandrino a tre ganasce e chiave, apertura fino a 4 mm di D.

Bohrapparate, Handgriffe
 Bone Hand Drills, Handles
 Perforador de mano
 Perforatori a mano, manici



RALK
34280-00



REDA
34290-00



34295-00

Spannschlüssel allein
 Key only
 Llave suelta
 Chiave solo



34296-00

Handgriff mit Jacobs-
 spannfutter und
 Spannschlüssel
 Handle with Jacobs chuck
 and key
 Mango con cierre Jacobs,
 de 3 mordazas y llave
 Manico con mandrino di
 Jacobs e chiave

Bohrapparat mit Leichtmetallgehäuse, mit Dreibackenspannfutter und Schlüssel, Spannweite bis D. 6,35 mm
 Hand drill with light metal case, with three-jaw-chuck and key, opening up to D. 6,35 mm
 Perforador manual con caja de aluminio, con mandril de tres mordazas y llave, abriendo hasta 6,35 mm de D.
 Perforatore a mano con cassa in metallo leggero, con mandrino a tre ganasce e chiave, apertura fino a 6,35 mm di D.

Handbohrapparat mit umstellbarem Handgriff, mit Jacobs Dreibackenspannfutter und Schlüssel
 Hand drill with adjustable handle, with Jacobs three-jaw-chuck and wrench
 Perforador de mano en T con cierre Jacobs de 3 mordazas y llave de ajuste
 Perforatore a mano con manico regolabile, con mandrino a tre ganasce di Jacobs e chiave



34296-05

T-Handgriff, verriegelbares schlüsselloses Dreibackenspannfutter, rostfrei
 T-handle, keyless locking chuck
 Mango en T, mordaza sin llave, inox.
 Chiave a T con mandrino a tre ganasce inox



34296-10

Handgriff, Dreibackenspannfutter, inkl. Spannschlüssel rostfrei
 Handle with chuck, including key
 Mango, mordaza incluyendo llave, inox.
 Mandrino a tre ganasce con manico retto completo di chiave di arresto inox



34296-15

"Hudson" T-Handgriff, Schnellkupplung
 Hudson T-handle with fast gripping chuck
 Mango en T, acople rápido
 Hudson: mandrino con manico a T
 Ganasce con raccordo rapido



34296-20

Schnellkupplungs T-Handgriff, groß
 T-handle with fast gripping chuck, large
 Mango en T, acople rápido, grande
 Mandrino a T manico grande
 Raccordo rapido

Schnellkupplungs-Handgriffe, Bohrapparat elektr.
Handles with quick action chuck, Bone drill electr.
Perforador electrico y mangos de acople rápido
Manici con attachi rapidi, Perforatori elettr.



34296-25
Schnellkupplungs-T-Handgriff
T-Handle, quick-action
Mango en T, acople rápido
Mandrino a T con raccordo rapido



34296-30
Schnellkupplungs-Handgriff
groß mit Hartgewebegriff
Handle, quick-action, large,
handle made of very hard fibre
Mango de acople rápido,
grande, de material extraduro
Mandrino grande rapido con
manico a fibre dure



34296-35
Schnellkupplungs-Handgriff
mit Hartgewebegriff
Handle, quick-action,
made of very hard fibre
Mango de acople rápido,
de material extra-duro
Mandrino medio rapido con
manico a fibre dure



34296-40
Mini Schnellkupplungs-Handgriff
für „Dental“-Anschluß
Mini-Handle, quick-action,
"dental"
Mini-Mango de acople rápido
"dental"
Mini mandrino-rapido con
impugnatura cilindrica con
attacco dentale

Bohrer
Drill bits
Taladros
Perforatore



Ø		
1,0 mm	56 mm	34320-10
1,5 mm	70 mm	34320-15
2,0 mm	85 mm	34320-20
2,5 mm	95 mm	34320-25
2,7 mm	100 mm	34320-27
3,0 mm	100 mm	34320-30
3,2 mm	106 mm	34320-32
3,5 mm	112 mm	34320-35
4,0 mm	119 mm	34320-40
4,5 mm	126 mm	34320-45
5,0 mm	132 mm	34320-50
6,0 mm	139 mm	34320-60
7,0 mm	156 mm	34320-70



Ø		
1,0 mm	180 mm	34321-10
1,5 mm	180 mm	34321-15
2,0 mm	180 mm	34321-20
2,5 mm	180 mm	34321-25
2,7 mm	180 mm	34321-27
3,0 mm	180 mm	34321-30
3,2 mm	180 mm	34321-32
3,5 mm	180 mm	34321-35
4,0 mm	180 mm	34321-40
4,5 mm	180 mm	34321-45
5,0 mm	180 mm	34321-50
6,0 mm	180 mm	34321-60
6,5 mm	180 mm	34321-65
7,0 mm	180 mm	34321-70
8,0 mm	180 mm	34321-80
9,0 mm	180 mm	34321-90
10,0 mm	180 mm	34322-00

Spiralbohrer mit Glattschaft
Twist Drills with round end
Taladros espirales con vástago redondo
Perforatore elicoidale

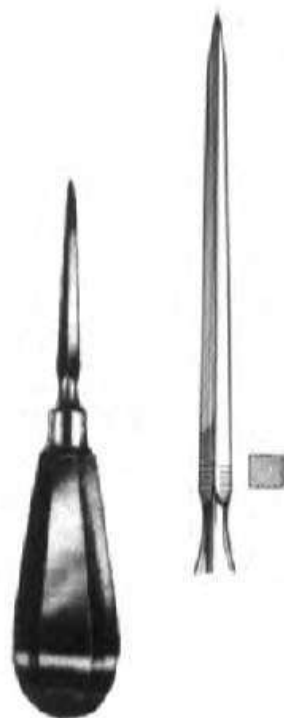
Spiralbohrer mit Glattschaft langes Modell
Twist Drills, long typ
Taladros espirales, largos
Perforatore elicoidale, modello lungo



Ø		
1,1 mm	60 mm	34322-11
1,5 mm	85 mm	34322-15
2,0 mm	100 mm	34322-20
2,5 mm	110 mm	34322-25
2,7 mm	100 mm	34322-27
3,2 mm	145 mm	34322-32
3,5 mm	110 mm	34322-35
4,5 mm	145 mm	34322-45

Spiralbohrer mit Schnellkupplungs-Ansatz
Twist Drills, quick-action
Taladros espirales, acople rápido
Perforatore elicoidale con attacco rapido

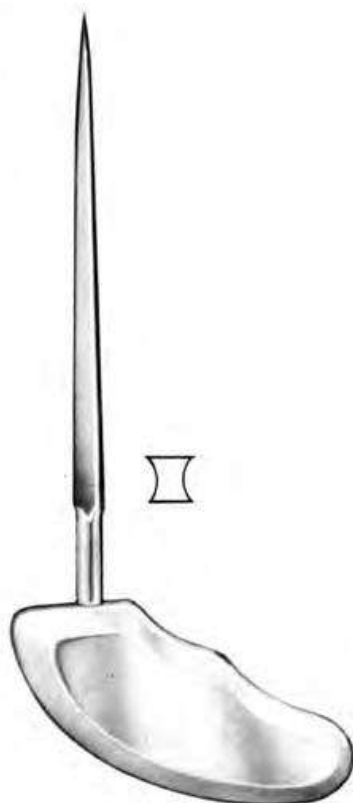
Pfrieme, Reibahle
 Awl, Reamer
 Escariadores
 Lesine, Punteruoli



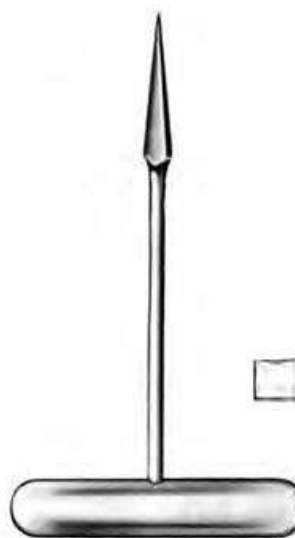
34392-14
 14 cm, 5 1/2"



PERTHES
 34393-18
 18 cm, 7"



PERTHES
 34393-21
 21 cm, 8 1/4"

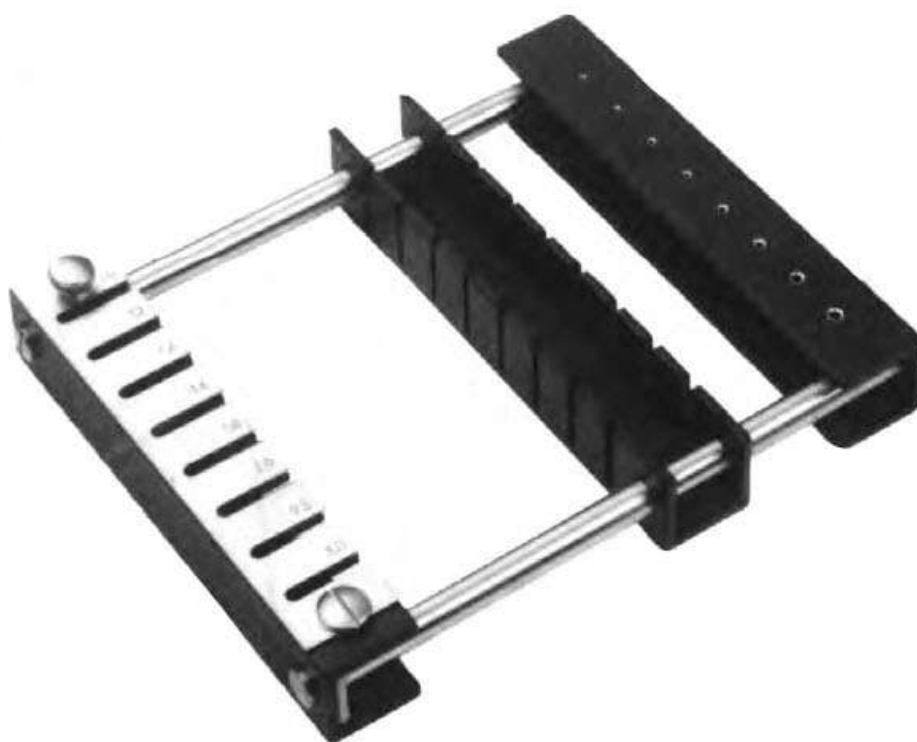


34394-14
 14 cm, 5 1/2"

Faßpinzette, Bohrdrahtspender
Grasping forceps, Support for sterilisation
Pinzas para coger, Soporte de esterilización
Pinze per afferrare, Supporto per la sterilizzazione



34439-00



Bohrdrahtspender für Kirschner-Drähte
Support for sterilisation of Kirschner wires
Soporte de esterilización p. alambres de Kirschner
Supporto per la sterilizzazione dei fili di Kirschner

34440-01 bis 15 cm – up to 15 cm (6") – hasta 15 cm – fino a 15 cm
34440-02 bis 31 cm – up to 31 cm (12 1/4") – hasta 31 cm – fino a 31 cm
34440-03 bis 10 cm – up to 10 cm (4") – hasta 10 cm – fino a 10 cm

Bohrdrähte
Drill Wires
Alambres
Perforatori filiformi

lieferbar in Packungen à 10 Stück
available in packages of 10 pieces
disponible en paquets de 10 unidades
disponibili solo in confezioni da 10 pezzi

Trokarspitze / Trocar point
Punta trocar / Punte trequarti



Ø	10 cm, 4"	15 cm, 6"	31 cm, 12 1/4"
0,8	34401-08	34402-08	34403-08
1,0	34401-10	34402-10	34403-10
1,1	34401-11	34402-11	34403-11
1,2	34401-12	34402-12	34403-12
1,3	34401-13	34402-13	34403-13
1,4	34401-14	34402-14	34403-14
1,5	34401-15	34402-15	34403-15
1,6	34401-16	34402-16	34403-16
1,7	34401-17	34402-17	34403-17
1,8	34401-18	34402-18	34403-18
1,9	34401-19	34402-19	34403-19
2,0	34401-20	34402-20	34403-20
2,2	34401-22	34402-22	34403-22
2,3	34401-23	34402-23	34403-23
2,4	34401-24	34402-24	34403-24
2,5	34401-25	34402-25	34403-25
2,8	34401-28	34402-28	34403-28
3,0	34401-30	34402-30	34403-30

Kirschner
mit rundem Ende / with round shaft
con extremo redondo / con estremo rotondo

Trokarspitze / Trocar point
Punta trocar / Punte trequarti



Ø	10 cm, 4"	15 cm, 6"	31 cm, 12 1/4"
0,8	34404-08	34405-08	34406-08
0,9	34404-09	34405-09	34406-09
1,0	34404-10	34405-10	34406-10
1,1	34404-11	34405-11	34406-11
1,2	34404-12	34405-12	34406-12
1,3	34404-13	34405-13	34406-13
1,4	34404-14	34405-14	34406-14
1,5	34404-15	34405-15	34406-15
1,6	34404-16	34405-16	34406-16
1,7	34404-17	34405-17	34406-17
1,8	34404-18	34405-18	34406-18
1,9	34404-19	34405-19	34406-19
2,0	34404-20	34405-20	34406-20
2,2	34404-22	34405-22	34406-22
2,3	34404-23	34405-23	34406-23
2,4	34404-24	34405-24	34406-24
2,5	34404-25	34405-25	34406-25
2,8	34404-28	34405-28	34406-28
3,0	34404-30	34405-30	34406-30

Kirschner
mit flachem Ende / with flat shaft
con extremo plano / con estremo piatto

Trokarspitze / Trocar point
Punta trocar / Punte trequarti



Ø	10 cm, 4"	15 cm, 6"	31 cm, 12 1/4"
0,8	34407-08	34408-08	34409-08
0,9	34407-09	34408-09	34409-09
1,0	34407-10	34408-10	34409-10
1,1	34407-11	34408-11	34409-11
1,2	34407-12	34408-12	34409-12
1,3	34407-13	34408-13	34409-13
1,4	34407-14	34408-14	34409-14
1,5	34407-15	34408-15	34409-15
1,6	34407-16	34408-16	34409-16
1,7	34407-17	34408-17	34409-17
1,8	34407-18	34408-18	34409-18
1,9	34407-19	34408-19	34409-19
2,0	34407-20	34408-20	34409-20
2,2	34407-22	34408-22	34409-22
2,3	34407-23	34408-23	34409-23
2,4	34407-24	34408-24	34409-24
2,5	34407-25	34408-25	34409-25
2,8	34407-28	34408-28	34409-28
3,0	34407-30	34408-30	34409-30

Kirschner
Trokarende / Trocar shaft
Punta trocar / Punte trequarti Bilaterali

Lanzenspitze / Lance point
Punta lanceolar / Punte lanceolata



Ø	31 cm, 12 1/4"
0,8	34410-08
0,9	34410-09
1,0	34410-10
1,1	34410-11
1,2	34410-12
1,3	34410-13
1,4	34410-14
1,5	34410-15
1,6	34410-16
1,7	34410-17
1,8	34410-18
1,9	34410-19
2,0	34410-20
2,2	34410-22
2,3	34410-23
2,4	34410-24
2,5	34410-25
2,8	34410-28
3,0	34410-30

Kirschner
mit flachem Ende / with flat shaft
con extremo plano / con estremo piatto

lieferbar in Packungen à 10 Stück
available in packages of 10 pieces
disponible en paquets de 10 unidades
disponibili solo in confezioni da 10 pezzi

Bohrdrähte, Knochennägel
Drill Wires, Fracture pins
Alambres, Clavos para huesos
Perforatori filiformi, Chiodi per ossa

Lanzenspitze / Lance point
Punta lanceolar / Punta lanceolata



Ø	31 cm, 12 1/4"
0,8	34411-08
0,9	34411-09
1,0	34411-10
1,1	34411-11
1,2	34411-12
1,3	34411-13
1,4	34411-14
1,5	34411-15
1,6	34411-16
1,7	34411-17
1,8	34411-18
1,9	34411-19
2,0	34411-20
2,2	34411-22
2,3	34411-23
2,4	34411-24
2,5	34411-25
2,8	34411-28
3,0	34411-30

Kirschner
mit rundem Ende / with round shaft
con extremo redondo / con estremo rotondo

Trokarspitze / Trocar point
Punta trocar / Punta trequarti



	Ø	Ø	Ø	Ø	Ø	Ø	Ø
	3,5 mm	4,0 mm	4,5 mm	4,8 mm	5,0 mm	5,5 mm	6,0 mm
8 cm, 3 1/8"	34412-08	34413-08	34415-08	34416-08	34417-08	34418-08	34419-08
10 cm, 4"	34412-10	34413-10	34415-10	34416-10	34417-10	34418-10	34419-10
12 cm, 4 3/4"	34412-12	34413-12	34415-12	34416-12	34417-12	34418-12	34419-12
14 cm, 5 1/2"	34412-14	34413-14	34415-14	34416-14	34417-14	34418-14	34419-14
16 cm, 6 1/4"	34412-16	34413-16	34415-16	34416-16	34417-16	34418-16	34419-16
18 cm, 7"	34412-18	34413-18	34415-18	34416-18	34417-18	34418-18	34419-18
20 cm, 8"	34412-20	34413-20	34415-20	34416-20	34417-20	34418-20	34419-20
22 cm, 8 3/4"	34412-22	34413-22	34415-22	34416-22	34417-22	34418-22	34419-22
23 cm, 9"	34412-23	34413-23	34415-23	34416-23	34417-23	34418-23	34419-23
24 cm, 9 1/2"	34412-24	34413-24	34415-24	34416-24	34417-24	34418-24	34419-24
26 cm, 10 1/4"	34412-26	34413-26	34415-26	34416-26	34417-26	34418-26	34419-26
28 cm, 11"	34412-28	34413-28	34415-28	34416-28	34417-28	34418-28	34419-28
30 cm, 11 3/4"	34412-30	34413-30	34415-30	34416-30	34417-30	34418-30	34419-30

Steinmann
mit rundem Ende / with round shaft
con extremo redondo / con estremo rotondo

Trokarspitze / Trocar point
Punta trocar / Punte trequarti



	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
	3,5 mm	4,0 mm	4,2 mm	4,5 mm	4,8 mm	5,0 mm	5,5 mm	6,0 mm
8 cm, 3 1/8"	34420-08	34421-08	34422-08	34423-08	34424-08	34425-08	34426-08	34427-08
10 cm, 4"	34420-10	34421-10	34422-10	34423-10	34424-10	34425-10	34426-10	34427-10
12 cm, 4 3/4"	34420-12	34421-12	34422-12	34423-12	34424-12	34425-12	34426-12	34427-12
14 cm, 5 1/2"	34420-14	34421-14	34422-14	34423-14	34424-14	34425-14	34426-14	34427-14
16 cm, 6 1/4"	34420-16	34421-16	34422-16	34423-16	34424-16	34425-16	34426-16	34427-16
18 cm, 7"	34420-18	34421-18	34422-18	34423-18	34424-18	34425-18	34426-18	34427-18
20 cm, 8"	34420-20	34421-20	34422-20	34423-20	34424-20	34425-20	34426-20	34427-20
22 cm, 8 3/4"	34420-22	34421-22	34422-22	34423-22	34424-22	34425-22	34426-22	34427-22
23 cm, 9"	34420-23	34421-23	34422-23	34423-23	34424-23	34425-23	34426-23	34427-23
24 cm, 9 1/2"	34420-24	34421-24	34422-24	34423-24	34424-24	34425-24	34426-24	34427-24
26 cm, 10 1/4"	34420-26	34421-26	34422-26	34423-26	34424-26	34425-26	34426-26	34427-26
28 cm, 11"	34420-28	34421-28	34422-28	34423-28	34424-28	34425-28	34426-28	34427-28
30 cm, 11 3/4"	34420-30	34421-30	34422-30	34423-30	34424-30	34425-30	34426-30	34427-30

Steinmann
Trokarende / Trocar shaft
Punta trocar / Punte trequarti Bilateriali

Knochennägel
Fracture pins
Clavos para huesos
Chiodi per ossa

lieferbar in Packungen à 10 Stück
available in packages of 10 pieces
disponible en paquets de 10 unidades
disponibili solo in confezioni da 10 pezzi

Trokarspitze / Trocar point
Punta trocar / Punta trequarti



	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
	3,5 mm	4,0 mm	4,2 mm	4,5 mm	4,8 mm	5,0 mm	5,5 mm	6,0 mm
8 cm, 3 1/8"	34428-08	34429-08	34430-08	34431-08	34432-08	34433-08	34434-08	34435-08
10 cm, 4"	34428-10	34429-10	34430-10	34431-10	34432-10	34433-10	34434-10	34435-10
12 cm, 4 3/4"	34428-12	34429-12	34430-12	34431-12	34432-12	34433-12	34434-12	34435-12
14 cm, 5 1/2"	34428-14	34429-14	34430-14	34431-14	34432-14	34433-14	34434-14	34435-14
16 cm, 6 1/4"	34428-16	34429-16	34430-16	34431-16	34432-16	34433-16	34434-16	34435-16
18 cm, 7"	34428-18	34429-18	34430-18	34431-18	34432-18	34433-18	34434-18	34435-18
20 cm, 8"	34428-20	34429-20	34430-20	34431-20	34432-20	34433-20	34434-20	34435-20
22 cm, 8 3/4"	34428-22	34429-22	34430-22	34431-22	34432-22	34433-22	34434-22	34435-22
23 cm, 9"	34428-23	34429-23	34430-23	34431-23	34432-23	34433-23	34434-23	34435-23
24 cm, 9 1/2"	34428-24	34429-24	34430-24	34431-24	34432-24	34433-24	34434-24	34435-24
26 cm, 10 1/4"	34428-26	34429-26	34430-26	34431-26	34432-26	34433-26	34434-26	34435-26
28 cm, 11"	34428-28	34429-28	34430-28	34431-28	34432-28	34433-28	34434-28	34435-28
30 cm, 11 3/4"	34428-30	34429-30	34430-30	34431-30	34432-30	34433-30	34434-30	34435-30

Steinmann
mit 3-kant-Ende / with triangular end
con extremo triangular / con estremo triangolare

Trokarspitze / Trocar point
Punta trocar / Punta trequarti

mit Gewinde
threaded Wires
con rosca
con filetto



Ø	15 cm, 6"	18 cm, 7"	20 cm, 8"	23 cm, 9"	25 cm, 10"	31 cm, 12 1/4"
1,2	34436-12	34437-12	34438-12	34439-12	34440-12	34441-12
1,4	34436-14	34437-14	34438-14	34439-14	34440-14	34441-14
1,6	34436-16	34437-16	34438-16	34439-16	34440-16	34441-16
1,8	34436-18	34437-18	34438-18	34439-18	34440-18	34441-18
2,0	34436-20	34437-20	34438-20	34439-20	34440-20	34441-20
2,4	34436-24	34437-24	34438-24	34439-24	34440-24	34441-24
2,5	34436-25	34437-25	34438-25	34439-25	34440-25	34441-25
2,8	34436-28	34437-28	34438-28	34439-28	34440-28	34441-28
3,0	34436-30	34437-30	34438-30	34439-30	34440-30	34441-30
3,2	34436-32	34437-32	34438-32	34439-32	34440-32	34441-32
3,5	34436-35	34437-35	34438-35	34439-35	34440-35	34441-35

mit rundem Ende / with round shaft
con extremo redondo / con estremo rotondo

lieferbar in Packungen à 10 Stück
available in packages of 10 pieces
disponible en paquets de 10 unidades
disponibili solo in confezioni da 10 pezzi

Knochennägel
Fracture pins
Clavos para huesos
Chiodi per ossa

Trokarspitze / Trocar point
Punta trocar / Punta trequarti

mit Gewinde
threaded Wires
con rosca
con filetto



Ø	15 cm, 6°	18 cm, 7°	20 cm, 8°	23 cm, 9°	25 cm, 10°	31 cm, 12 1/4°
1,2	34442-12	34443-12	34444-12	34445-12	34446-12	34447-12
1,4	34442-14	34443-14	34444-14	34445-14	34446-14	34447-14
1,6	34442-16	34443-16	34444-16	34445-16	34446-16	34447-16
1,8	34442-18	34443-18	34444-18	34445-18	34446-18	34447-18
2,0	34442-20	34443-20	34444-20	34445-20	34446-20	34447-20
2,4	34442-24	34443-24	34444-24	34445-24	34446-24	34447-24
2,5	34442-25	34443-25	34444-25	34445-25	34446-25	34447-25
2,8	34442-28	34443-28	34444-28	34445-28	34446-28	34447-28
3,0	34442-30	34443-30	34444-30	34445-30	34446-30	34447-30
3,2	34442-32	34443-32	34444-32	34445-32	34446-32	34447-32
3,5	34442-35	34443-35	34444-35	34445-35	34446-35	34447-35

Trokarende / Trocar shaft
Punta trocar / Punta trequarti

Bohrdrahtspender
K-Wire Dispenser
Dispensador para brocas filiformes
Distributore per fili

33 cm, 13"



17 cm, 6 3/4"



12 cm, 4 3/4"



34450-08 0,8 mm
34450-10 1,0 mm
34450-12 1,2 mm
34450-14 1,4 mm
34450-15 1,5 mm
34450-18 1,8 mm
34450-20 2,0 mm
34450-22 2,2 mm
34450-25 2,5 mm
34450-30 3,0 mm

34460-08 0,8 mm
34460-10 1,0 mm
34460-12 1,2 mm
34460-14 1,4 mm
34460-15 1,5 mm
34460-16 1,6 mm
34460-20 2,0 mm
34460-22 2,2 mm
34460-25 2,5 mm
34460-30 3,0 mm

34470-08 0,8 mm
34470-10 1,0 mm
34470-12 1,2 mm
34470-14 1,4 mm
34470-15 1,5 mm
34470-16 1,6 mm
34470-20 2,0 mm
34470-22 2,2 mm
34470-25 2,5 mm
34470-30 3,0 mm

Fingerschützer, Drahtgeflecht
 Finger Protectors, Wire gauze
 Dedales, Gasa metálica
 Proteggidita, maglia metallica per estensione



34480-01



34480-02



34480-03

LANGENBECK
 34480-01 - 34480-03



34492-01
 klein / small / pequeño / stretto

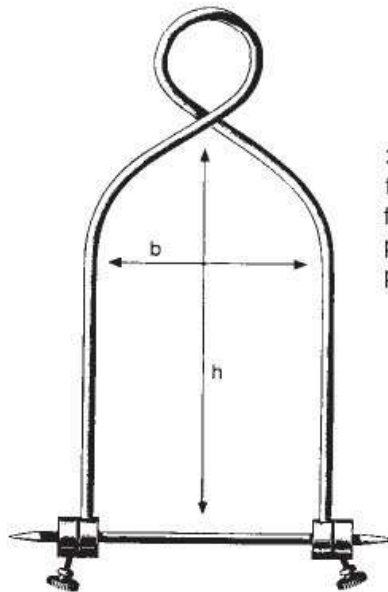
34492-02
 mittel / medium / mediano / medio

34492-03
 groß / large / grande / grande

34492-01 - 34492-03

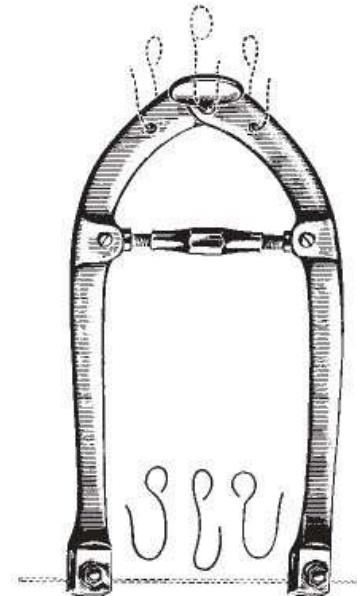
sterilisierbar
 sterilizable
 esterilizable
 sterilizzabile

Extensionsbügel
Extension Bows
Estribos para extensión
Archi per estensione



34502-16
für Arm
for arm
para brazo
per braccio

16 x 9 cm
6 1/4" x 3 1/2"

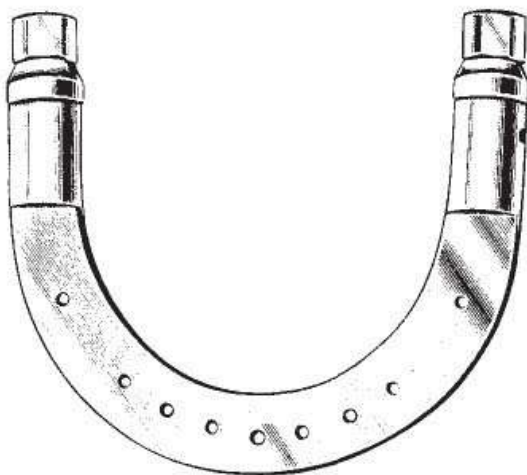


KIRSCHNER

BÖHLER
34502-15 21 x 15 cm 8 1/4" x 6"
34502-21 21 x 11 cm 8 1/4" x 4 3/8"
für Oberschenkel und Knie
for thigh and knee
para femur y rodilla
per femore e ginocchio

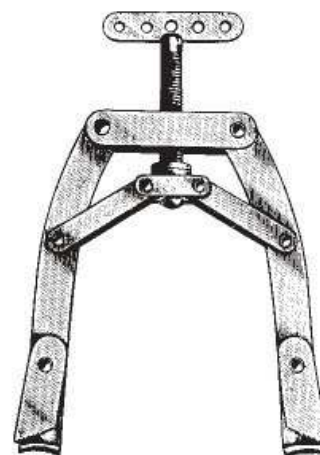
34514-18 40 - 140 mm x 115 mm mit 3 Zughaken
with 3 hooks
con 3 ganchos
con 3 ganci per trazione

34514-27 60 - 220 mm x 175 mm mit 3 Zughaken
with 3 hooks
con 3 ganchos
con 3 ganci per trazione



KIRSCHNER

34515-09	9,5 x 7,0 cm	3 3/4" x 2 3/4"
34515-10	9,5 x 11,0 cm	3 3/4" x 4 3/8"
34515-11	10,5 x 10,0 cm	4 1" x 4"
34515-12	12,0 x 12,0 cm	4 3/4" x 4 3/4"
34515-13	13,5 x 13,0 cm	5 1/4" x 5 1/8"
34515-15	15,5 x 15,5 cm	6" x 6"
34515-20	20,0 x 15,5 cm	8" x 6"



KIRSCHNER U.S.

34518-01	mittel, medium, mediano, max. 130 mm (5 1/8")
34518-02	groß, large, grande, grande, max. 185 mm (7 1/4")
34518-03	extra groß, large extra long, muy grande, max. 220 mm (8 3/4")

Mutternschlüssel, Spannschlüssel
Screw nut wrench, Wire strainer
llave de tuercas, Tensor de taladros, alambres
Chiave per madreviti, Strumenti tenditore

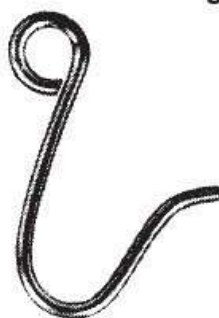


34515-01



34515-02

Zughaken
hooks
ganchos
ganci per trazione



KIRSCHNER
34519-01



KIRSCHNER
34519-02

Knochendraht
Bone wire
Hilos para huesos
Filo per ossa



weich, in Ringen zu 10 m (32,8 Feet)
soft, in coils of 10 m (32,8 Feet)
blando, de 10 m (32,8 Feet)
morbido, 10 m (32,8 Feet)

Material:
nichtrostender Implantatstahl
nach DIN 17443 (ISO 5832/1)

	mm Ø
34520-02	0,2
34520-03	0,3
34520-04	0,4
34520-05	0,5
34520-06	0,6
34520-07	0,7
34520-08	0,8
34520-09	0,9
34520-10	1,0
34520-12	1,2
34520-15	1,5

Drahtumführungs-nadeln, Drahtspanninstrumente
Bone wire guides, Bone wire tighteners
Agujas pasa-hilos, Tensor cierra-hilos
Aghi passafili, Strumenti tendifili



DEMEL

27 cm, 10 1/2"

Fig. 1 34528-01

Fig. 2 34528-02

Fig. 3 34528-03

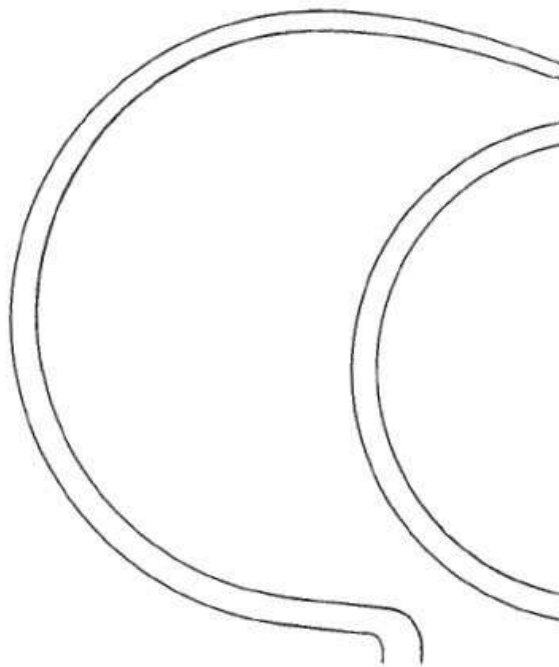


Fig. 1

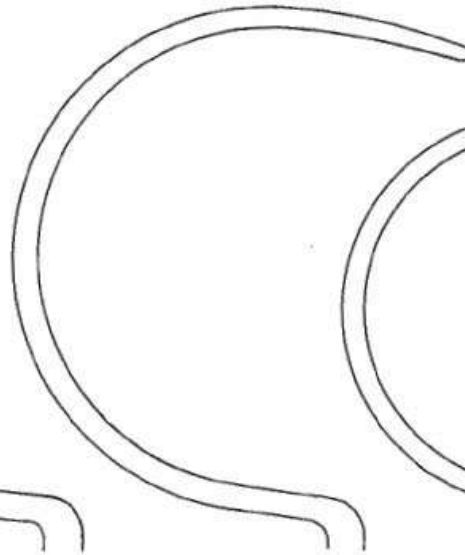
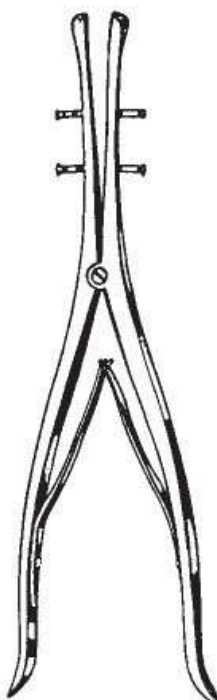


Fig. 2

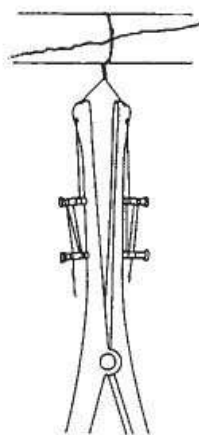


Fig. 3



DEMEL

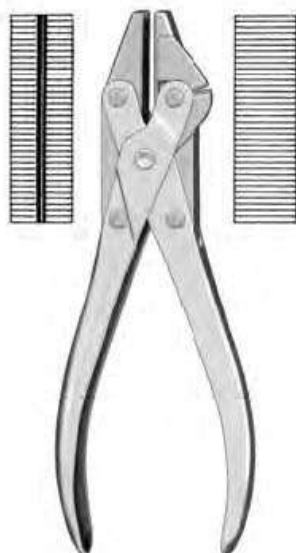
34530-28 28 cm, 11"



LOUTE

34531-21 21 cm, 8 1/4"

Flachzangen, Faßzangen
 Flat Nose Pliers, Seizing Forceps
 Alicates planos, Pinzas para coger alambres
 Tenaglie piate, Tenaglie per afferrare



17 cm, 6 $\frac{3}{4}$ "
 34533-17 INOX



GRIP
 18 cm, 7"
 34534-18 INOX



34534-15
 15 cm, 6"



34535-16
 16 cm, 6 $\frac{1}{4}$ "



34536-14
 14 cm, 5 $\frac{1}{2}$ "



34537-19
 19 cm, 7 $\frac{1}{2}$ "



2 mm

4 mm

6 mm

34538-01

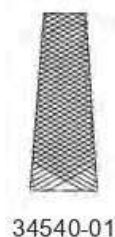
34538-02

34538-03

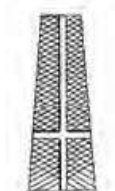
34539-01 TC 34539-02 TC 34539-03 TC

18 cm, 7"

Flachzangen, Drahtkneifzangen
Flat Nose Pliers, Wire cutting Pliers
Alicates planos, Alicates para cortar alambres
Tenaglie piatte, Tenaglie tagliafilì



34540-01



34540-02



17 cm, 6 3/4"



34540-16
16 cm, 6 1/4"

soft wire 2,0 mm
hard wire 2,0 mm

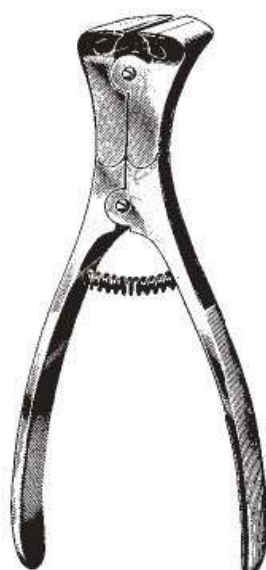


34540-18
18 cm, 7"



34541-23 23 cm, 9"

soft wire 3,0 mm
hard wire 2,2 mm



34542-15 TC 15 cm, 6"

Soft wire 2,0 mm
hard wire 1,5 mm



34543-23 23 cm, 9"

Soft wire 3,5 mm
hard wire 2,5 mm



34544-18 TC 18 cm, 7"

Soft wire 2,5 mm
hard wire 1,5 mm

Drahtkneifzangen, Drahtfaßzangen

Wire Cutting Pliers, Wire Seizing Forceps

Alicates para cortar alambres, Pinzas para coger alambres

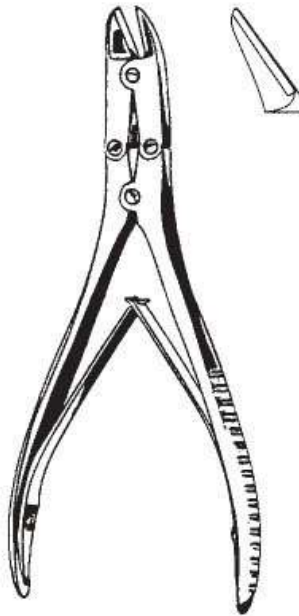
Tronchese taglienti, Tenaglie per afferrare i fili



für harten Draht bis
2,2 mm Ø
for hard wires up to
2,2 mm Ø
para hilos duros
hasta 2,2 mm Ø
per fili duri a
2,2 mm Ø

für weichen Draht bis
2,5 mm Ø
for soft wires up to
2,5 mm Ø
para hilos blandos
hasta 2,5 mm Ø
per fili dolci fino a
2,5 mm Ø

34545-22 TC 22 cm, 10 1/2"



für harten Draht bis 1,6 mm Ø
for hard wires up to 1,6 mm Ø
para hilos duros hasta 1,6 mm Ø
per fili duri a 1,6 mm Ø

für weichen Draht bis 2,0 mm Ø
for soft wires up to 2,0 mm Ø
para hilos blandos hasta 2,0 mm Ø
per fili dolci fino a 2,0 mm Ø

34546-16 16 cm, 6 1/4"
34546-18 18 cm, 7"



für weichen Draht bis
2,0 mm Ø
for soft wires up to
2,0 mm Ø
para hilos blandos
hasta 2,0 mm Ø
per fili dolci fino a
2,0 mm Ø



für harten Draht bis
1,6 mm Ø
for hard wires up to
1,6 mm Ø
para hilos duros
hasta 1,6 mm Ø
per fili duri a
1,6 mm Ø

34548-18 18 cm, 7"

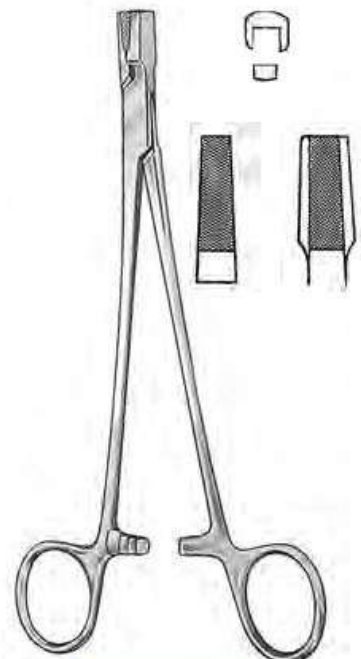


soft wire 1,5 mm
hard wire 1,0 mm

34549-14 14 cm, 5 1/2"



34550-13 13 cm, 5 1/8"
34550-18 18 cm, 7"



17 cm, 6 3/4"
34551-17 TC

Drahtzangen
Wire Twisting Forceps
Pinzas para torcer hilos
Pinza torcifili



CORWIN-HEGAR
34552-16 TC 16 cm, 6 1/4"



BERRY
34556-18 TC 18 cm, 7"



MAYO-HABERISSER
TC



34554-15 TC

15 cm
6"



34555-15 TC



34554-18 TC

18 cm
7"



34555-18 TC



34554-20 TC

20 cm
8"



34555-20 TC

Drahtkneifzange für Draht bis 6 mm Ø
Pin cutter for pins up to 6 mm
Alicate para cortar clavos hasta 6 mm
Ghigliottina per tagliare fili fino a 6 mm



34558-32 32 cm, 12 1/2"

bis 2.2 mm
up to 2.2 mm
hasta 2.2 mm
a 2.2 mm



34559-47 47 cm, 18 1/2"

bis 6 mm
up to 6 mm
hasta 6 mm
a 6 mm



34560-57 57 cm 22 1/2"

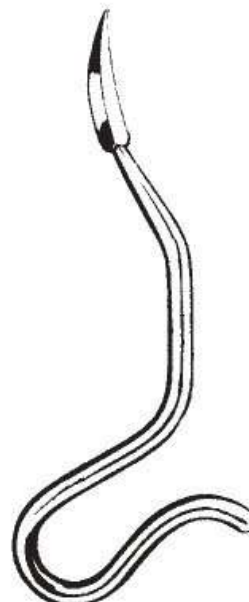
bis 6.5 mm
up to 6.5 mm
hasta 6.5 mm
a 6.5 mm

Instrumentarium für Ender und Küntscher Nägel
 Instruments for ender and Küntscher Nails
 Instrumental para Clavos Ender y Küntscher
 Strumentario per chiodi di Ender e Küntscher



34562-24	34562-32	34562-48	34562-64
f./p. Ø 2,4 mm	3,2 mm	4,8 mm	6,4 mm

Ein- und Ausschlaginstrumente für Ender-Nägel
 Driver-extractors for Ender nails
 Impactores-Extractores para clavos de Ender
 Impattatore-Estrattore per chiodi di Ender



KÜNTSCHER	26 cm, 10 1/4"
34570-01	8 mm
34570-02	10 mm

Vorbohrer zum Öffnen der Markhöhle
 Reamers for medullary cave
 Perforadores para la cavidad medular
 Alesatore per l'apertura del midollo



KÜNTSCHER
 34573-35 35 cm, 13 3/4"
 Aufreiber für Oberschenkel
 Reamer for femur
 Perforador para fémur
 Alesatore per femore



Führungsspieße
 Guide pins
 Guía-conductora para clavos medulares
 Guida conduttrice

mm Ø	L = 60 cm, 23 3/4"
3,5	34583-60
4,0	34584-60
5,0	34585-60

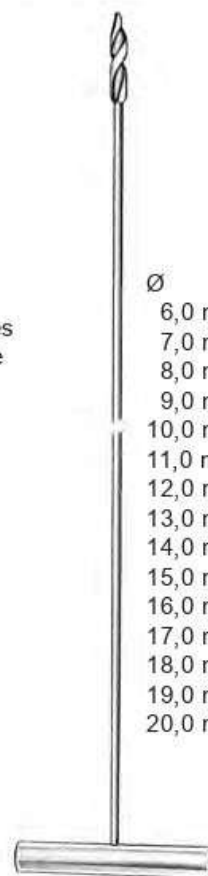
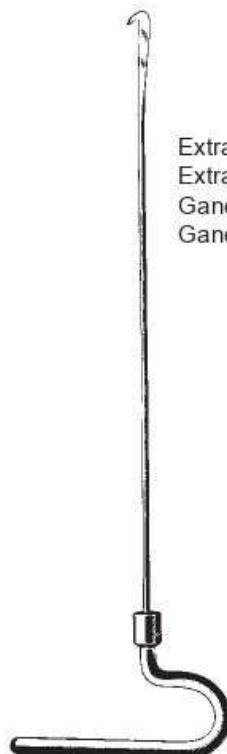


für Nägel for nails para clavos per chiodi
Ø 6-8 mm 34588-01
Ø 9-12 mm 34588-02
Ø 12-17 mm 34588-03
KUENTSCHER 19 cm, 7 1/2"
Fertigschläger Nail impactors Impactor final Impattatore finale

Instrumentarium für Küntscher Nägel
 Instruments for Küntscher Nails
 Instrumental para Clavos Küntscher
 Strumentario per chiodi di Küntscher



Extraktionshaken
 Extraction hooks
 Ganchos extractores
 Gancio d'estrazione



Ø	
6,0 mm	34597-06
7,0 mm	34597-07
8,0 mm	34597-08
9,0 mm	34597-09
10,0 mm	34597-10
11,0 mm	34597-11
12,0 mm	34597-12
13,0 mm	34597-13
14,0 mm	34597-14
15,0 mm	34597-15
16,0 mm	34597-16
17,0 mm	34597-17
18,0 mm	34597-18
19,0 mm	34597-19
20,0 mm	34597-20

KÜNTSCHER 63 cm, 24 3/4"

34590-00 komplett mit 2 Haken	34590-01/02
34590-00 complete with 2 hooks	34590-01/02
34590-00 completo con 2 ganchos	34590-01/02
34590-00 completo con 2 ganci	34590-01/02

cm	
29, 11.4"	34596-29
37, 14.5"	34596-37
42, 16.5"	34596-42
49, 19.3"	34596-49

Markraumborher
 Intramedullary drills
 Perforadores medulares
 Perforatore intramidollare

Extraktor / Nail extractor
 Aparato extractor / Estrattore



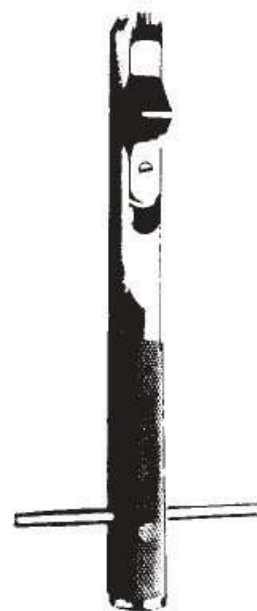
Einschläger / Nail Insertor
 Introductor clavos / Impattatore
 34612-00



Impactor
 34613-00



Bender
 34615-00



Impactor-Extractor
 Impattatore-Estrattore
 34617-00

Schraubenzieher
Screw Drivers
Destornilladores
Cacciaviti



LANE
34620-25 25 cm, 10"
Schraubenzieher 6 mm
Screw Driver 6 mm
Destornillador 6 mm
Cacciaviti 6 mm



WILLIAMS
24 cm
9 1/2"

3,5 mm



34624-01



34624-02



34624-03



34624-04



mit Ferrozellgriff
with Ferrozell handle
con mango de Ferrozell
con manico di Ferrozell



34628-01
25 cm
10"



34628-02
25 cm
10"



34629-01
25 cm
10"



1,5 mm

34628-15
20 cm
8"



2,5 mm

34628-25
25 cm
10"



3,5 mm

34628-35
25 cm
10"

Schraubenzieher
Screw Drivers
Destornilladores
Cacciaviti



LANE

34632-25 25 cm, 10"

Kreuzschlitzschraubenzieher

Screwdriver for cross slotted head

Destornillador para tornillos con ranura en cruz

Cacciavite a croce



Schraubenhaltehülse für Sechskantschrauben

Screw holder

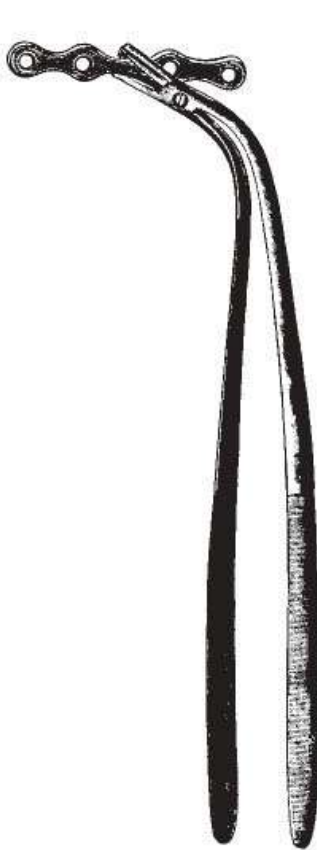
Vaina para tornillos

Guaina per viti esagonali

34634-25 2,5 mm

34634-35 3,5 mm

Haltezangen, Biegehebel
Holding Forceps, Bender
Pinzas para sostener placas y tornillos, Palanca
Pinza portaplacca, leva piega placche



LANE
34637-23 23 cm, 9"

Knochenplatten-Haltezange
Plate Holding Forceps
Pinza para sostener placas
Pinza portaplacche



LANE
34639-22 22 cm, 8 3/4"

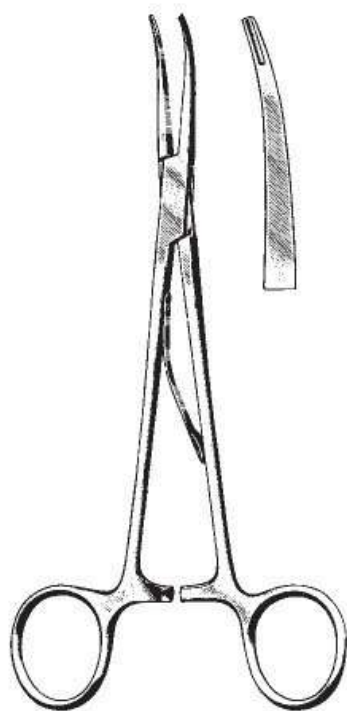
Schraubenhaltezange
Screw Holding Forceps
Pinza para sostener tornillos
Pinza portaviti



LANE
34640-18 18 cm, 7"

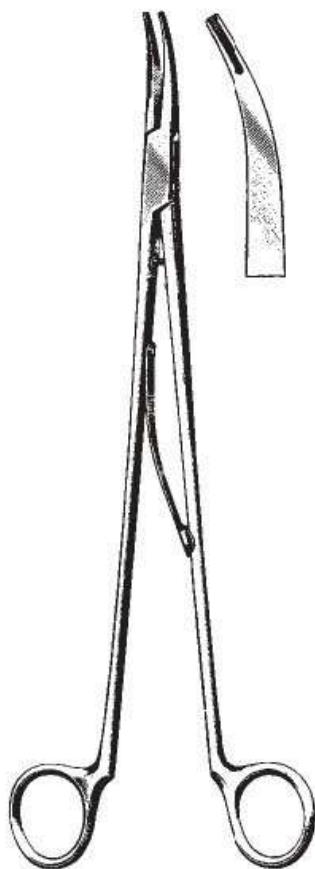
Biegehebel f. Knochenplatten
Plate Bender
Palanca para doblar placas
Leva piegaplacche

Anlegezangen, Silberklammern
 Applying Fcps. Clips
 Pinzas aplicadoras, Grapas
 Pinza per applicare, Agrafes



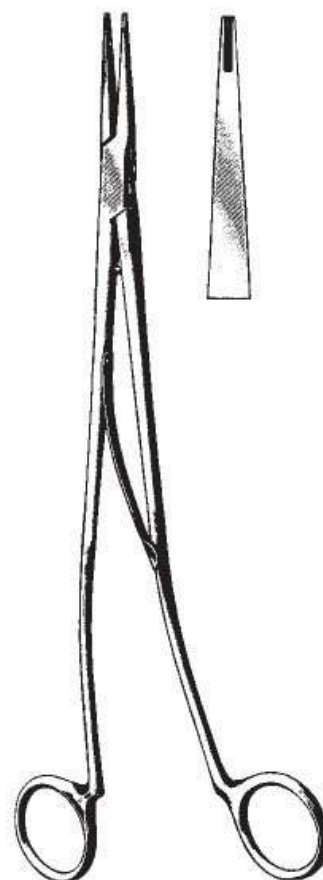
McKENZIE

41011-15 15 cm, 6"
 41011-19 19 cm, 7 1/2"



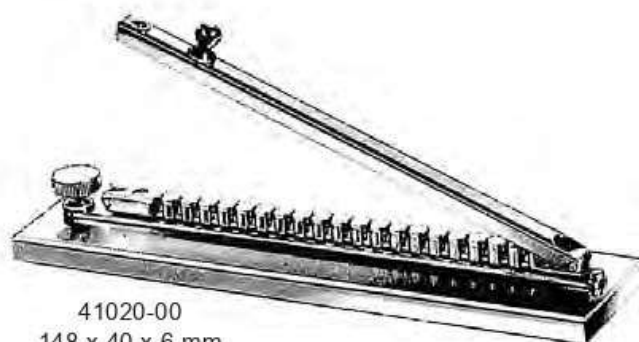
SMITHWICK

41015-23 23 cm, 9"
 41015-26 26 cm, 10 1/4"

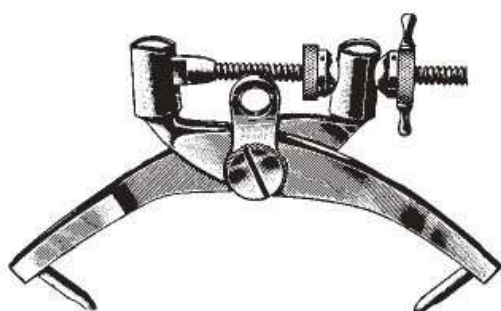


SWEET

41017-23 23 cm, 9"
 41017-26 26 cm, 10 1/4"

OLIVECRONA-TOENNIS
41019-1441020-00
148 x 40 x 6 mm

Schädelhalter, Kopfhautklammer, Anlegezange
Cervical Traction Tongs, Clips, Applying Forceps
Pinzas de tracción craneal, Clips, Pinza para aplicar clips
Pinze per trazione craniale, Pinza per applicare



CRUTCHFIELD
41025-01



CRUTCHFIELD
41025-02



41026-35
3,5 mm Ø

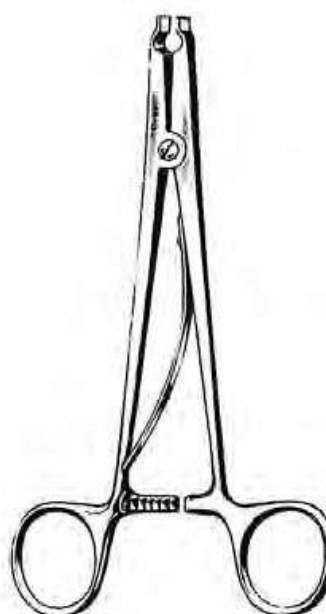


41026-50
5 mm Ø

Stainless steel
Acciaio inox



RANEY
41027-00



RANEY
41028-00 16 cm, 6 1/4"

Nervhaken, Durahaken
 Nerve Hooks, Dura Hooks
 Ganchos para nervios y para dura-madre
 Unicini per nervi e per dura-madre



DANDY
 41051-20
 20 cm, 8"



DANDY
 41052-20
 20 cm, 8"



DANDY
 41053-20
 20 cm, 8"



CRILE
 41054-20
 20 cm, 8"

Fig. 1



CUSHING
 41056-18
 18 cm, 7"

Fig. 2



CUSHING
 41058-18
 18 cm, 7"

Nervhaken, Durahaken
Nerve Hooks, Dura Hooks
Ganchos para nervios y para dura-madre
Unicini per nervi e per dura-madre



GRAHAM
41061-16
16,5 cm, 6 1/2"



SACHS
41064-16
18,5 cm, 7 1/4"



ADSON
41068-20
20 cm, 8"

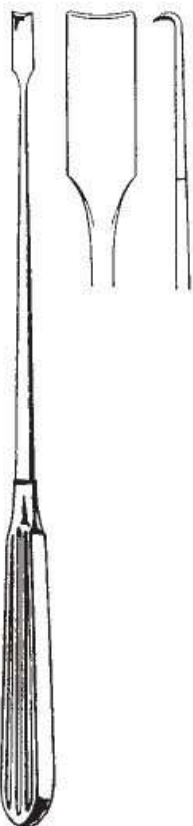


ADSON
41069-20
20 cm, 8"

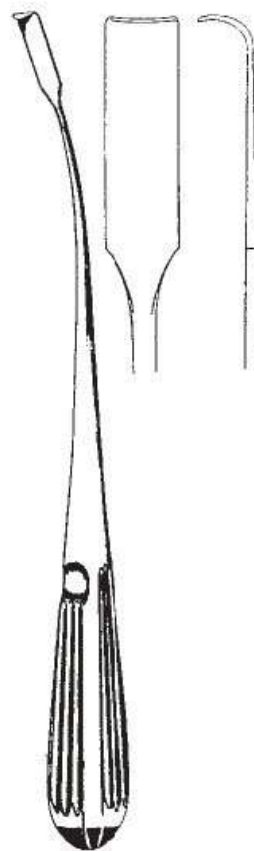


SMITHWICK
41070-29
29 cm, 11.4"

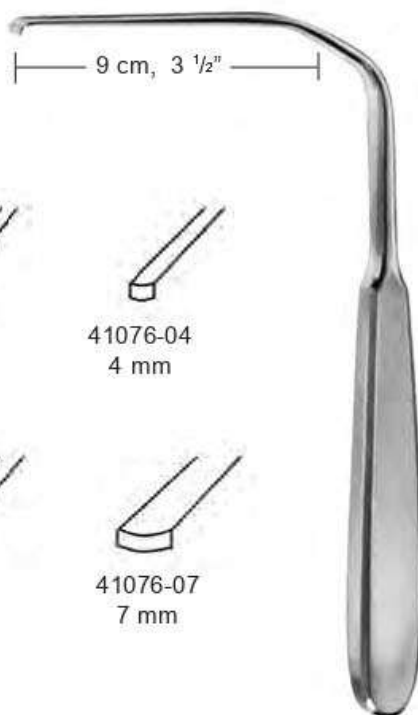
Nervwurzelhaken
 Nerve Root Retractors
 Separadores de raíz de nervios
 Uncini per le radici dei nervi



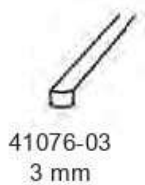
SCOVILLE
 41074-23
 23 cm, 9"



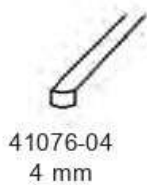
HOLSHER
 41075-24
 24 cm, 9 1/2"



HESS
 17,5 cm, 7"



41076-03
 3 mm



41076-04
 4 mm



41076-05
 5 mm



41076-07
 7 mm

Nervwurzelhaken
Nerve Root Retractors
Separadores de raíz de nervios
Uncini per le radici dei nervi



D'ERRICO
41078-23
23 cm, 9"



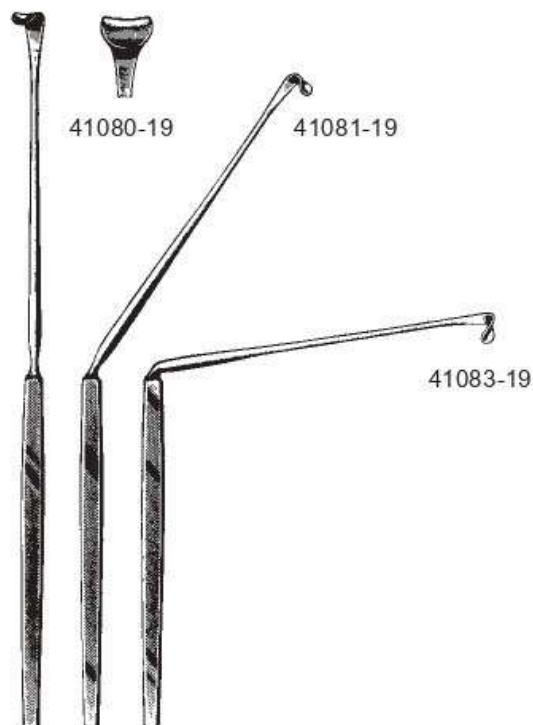
LOVE
41079-21
21 cm, 8 1/4"

Nervwurzelhaken, Galea Haken

Nerve Root Retractors, Galea Hooks

Separadores de raiz de nervios, Gancho para galea

Uncini per le radici dei nervi, Uncini galea



LOVE

41080-19 – 41083-19
19 cm, 7 1/2"

SCOVILLE

41085-20
20 cm, 8"



DeMARTEL

41090-33
33 cm, 13"



Galeahaken
Galea Hooks
Gancho p/galea
Gancio p/galea

Ø 7 mm

4 mm

YASARGIL
41091-31
31 cm, 12 1/4"



Ø 9 mm

6 mm

YASARGIL
41091-41
41 cm, 16"

Schädelstanze
Cranial Punch
Pinzas sacabocado craneal
Pinza per craniotomia



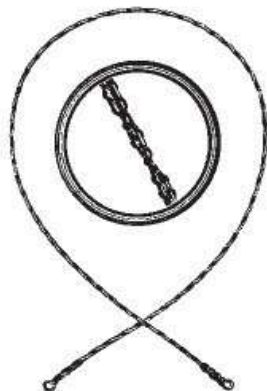
CONE
41097-22
22,5 cm 9"

Dura Dissektoren, Schädelzange

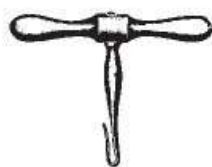
Dura Dissectors, Skull Punches

Elevadores para la duramadre, Pinzas sacabocado craneal

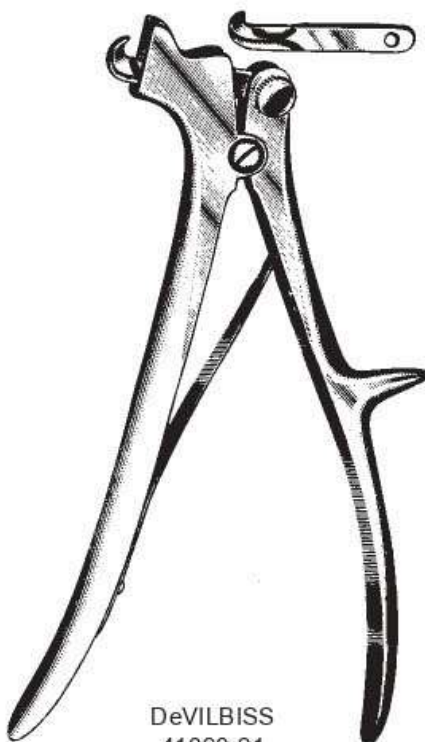
Scollatori per duramadre, Pinza per craniotomia



OLIVECRONA	cm
41092-30	30, 11 ³ / ₄ "
41092-40	40, 15 ³ / ₄ "
41092-50	50, 19 ³ / ₄ "
41092-60	60, 23 ³ / ₄ "
41092-70	70, 27 ¹ / ₂ "



GIGLI
41094-00



DeVILBISS
41096-21
21 cm, 8 ¹/₄"



TOENNIS
41141-25
25 cm, 10"



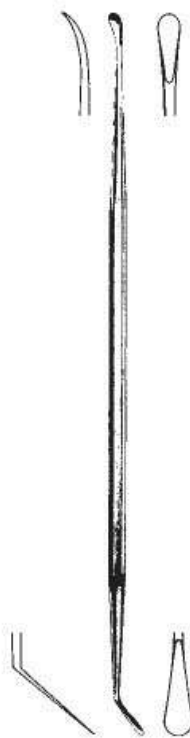
SACHS
41143-21
21 cm, 8 ¹/₄"



SACHS
41145-21
21 cm, 8 ¹/₄"



OLIVECRONA
41146-18 18 cm, 7"
41146-24 24 cm, 9 ¹/₂"



MILLIGAN
41147-21
21 cm, 8 ¹/₄"

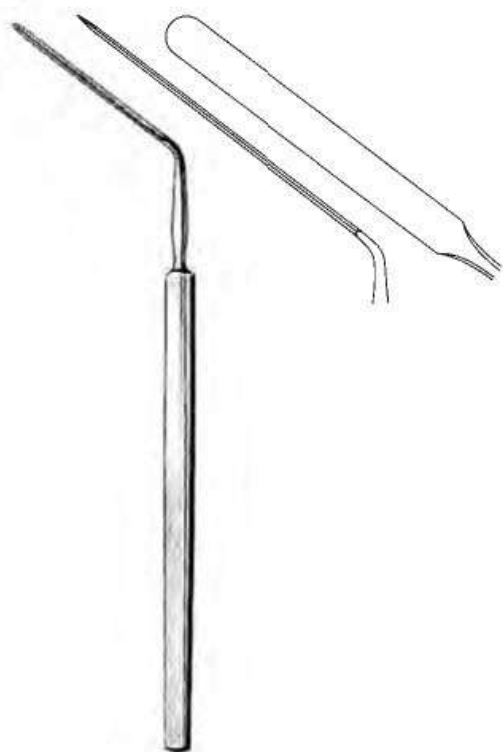


41149-22
22 cm, 8 ³/₄"



DAVIS
41151-24
24 cm, 9 ¹/₂"

Dura Dissektoren
Dura Dissectors
Elevadores
Scollatori



HORSLEY
41155-20
20 cm, 8"



WOODSON
41156-18
18 cm, 7"



FRAZIER
41158-01
15 cm, 6"



HOEN
41158-02
15 cm, 6"



HOEN
41158-03
15 cm, 6"



PENFIELD
41161-01
17,5 cm, 6.9"



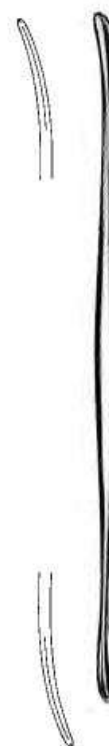
PENFIELD
41161-02
19,5 cm, 7 3/4"



PENFIELD
41161-03
19,5 cm, 7 3/4"



PENFIELD
41161-04
21,5 cm, 8 1/2"



PENFIELD
41161-05
29 cm 11.4"

Hypophyse Pinzetten, Küretten
 Hypophyseal Forceps, Curette
 Pinzas para hipófisis, Curetas
 Pinze per ipofisi, Curette



ADSON
 41210-23
 23 cm, 9"



ADSON
 41211-23
 23 cm, 9"



ADSON
 41213-23
 23 cm, 9"



41221-00
 19 cm, 7 1/2"



41222-00
 19 cm, 7 1/2"

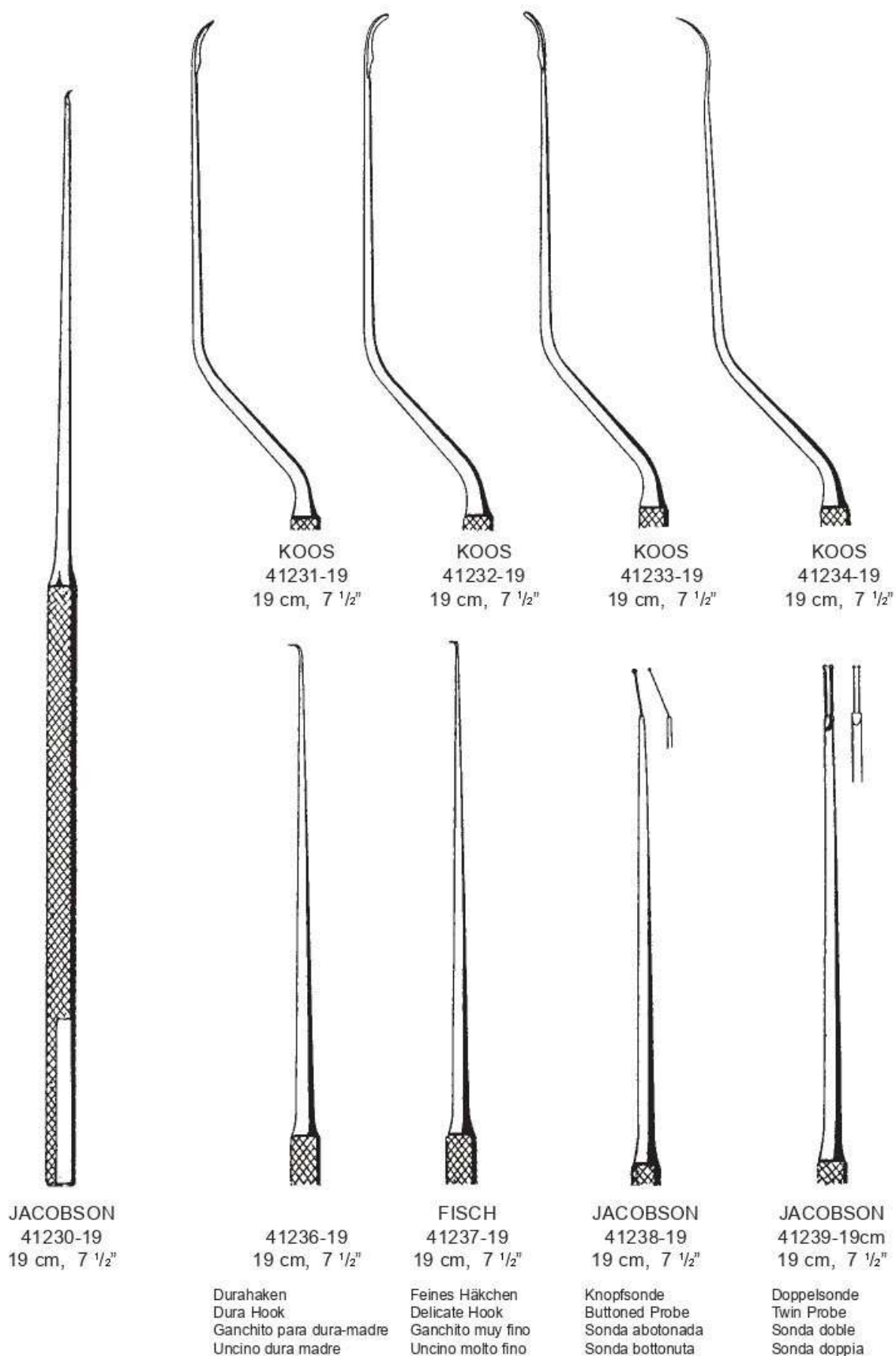


41223-00
 19 cm, 7 1/2"



41224-00
 19 cm, 7 1/2"

Messer, Haken, Sonden
Knives, Hooks, Probes
Bisturies, Ganchos, Sondas
Bisturi, Uncino, Sonde



Nervhäkchen, Hirnspatel, Saugrohre

Nerve Hooks, Brain Spatulas, Suction Tubes

Ganchos para nervios, Espatulas cerebrales, Tubos de aspiración

Uncini per nervi, Spatole cerebrali, Tubi aspirazioni



KRAYENBÜHL
41242-19
19 cm, 7 1/2"



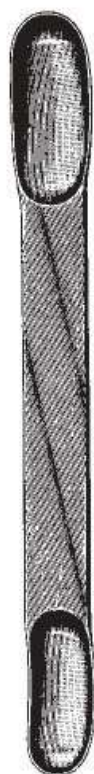
KRAYENBÜHL
41243-19
19 cm, 7 1/2"



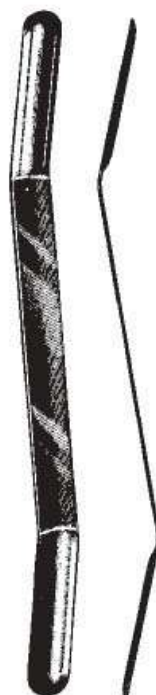
KRAYENBÜHL
41244-19
19 cm, 7 1/2"



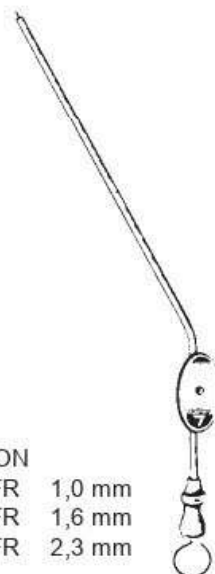
KRAYENBÜHL
41245-19
19 cm, 7 1/2"



CUSHING
41250-11 8x10 mm
41250-15 13x15 mm
41250-18 16x18 mm



OLIVECRONA mm
41253-07 7/ 9
41253-11 11/13
41253-15 15/18
41253-18 18/22



BARON
41299-03 3FR 1,0 mm
41299-05 5FR 1,6 mm
41299-07 7FR 2,3 mm

Hirnspatel, Saugrohre, Punktionskanüle
Brain Spatulas, Suction Tubes, Puncture Cannulas
Espatulas cerebrales, Tubos de aspiración, Tubo de punción
Spatole cerebrali, Tubi aspirazioni, cannula per punzione



biegsam
malleable
maleable
malleabile

DAVIS	18 cm, 7"
41254-06	6 mm, 1/4"
41254-10	9 mm, 3/8"
41254-13	13 mm, 1/2"
41254-16	16 mm, 5/8"
41254-19	19 mm, 3/4"
41254-25	25 mm, 1"
41254-32	32 mm, 1 1/4"
41254-38	38 mm, 1 1/2"

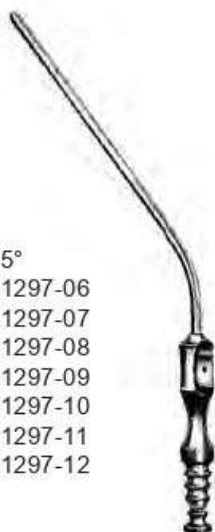


ADSON
41290-21
21 cm, 8 1/4"
ø 4 mm



FERGUSON
41294-40
18 cm, 7"
ø 4 mm, 90°

Charr.	30°	75°
F.G.		
6	41295-06	41297-06
7	41295-07	41297-07
8	41295-08	41297-08
9	41295-09	41297-09
10	41295-10	41297-10
11	41295-11	41297-11
12	41295-12	41297-12
15	41295-15	

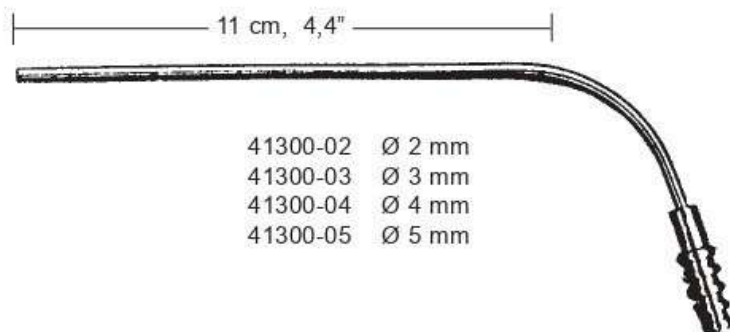


FRAZIER / FERGUSON
41295-06 – 41297-12
19 cm, 7 1/2"

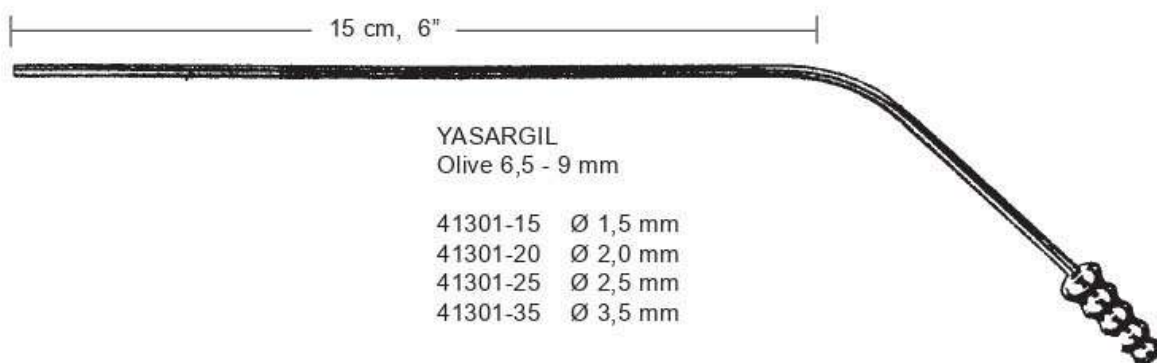


FRAZIER / FERGUSON
41298-12
12 cm, 4 3/4" / 3 mm

Saugrohre
Suction Tubes
Tubos de aspiración
Tubi aspirazioni



41300-02 Ø 2 mm
41300-03 Ø 3 mm
41300-04 Ø 4 mm
41300-05 Ø 5 mm



YASARGIL
Olive 6,5 - 9 mm

41301-15 Ø 1,5 mm
41301-20 Ø 2,0 mm
41301-25 Ø 2,5 mm
41301-35 Ø 3,5 mm



ZÖLLNER
41302-01



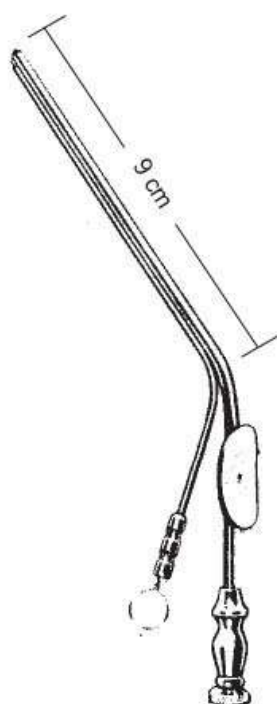
ZÖLLNER
41302-02



0,5 mm Ø 41306-05
0,7 mm Ø 41306-07
0,9 mm Ø 41306-09
1,2 mm Ø 41306-12

Kanüle für Sauggriff für Zöllner und Wullstein
Tip for Suction Handle for Zöllner and Wullstein
Cánula para mango t Zöllner y Wullstein
Cannula per manico di aspirazione t Zöllner e Wullstein

Saugrohre
Suction Tubes
Tubos de aspiración
Tubi aspirazioni



HOUSE

9 cm, 3 1/2"

41303-09	Ø 0,9 x 0,7 mm
41303-12	Ø 1,2 x 0,9 mm
41303-15	Ø 1,5 x 1,2 mm
41303-18	Ø 1,8 x 1,8 mm
41303-25	Ø 2,5 x 2,0 mm
41303-30	Ø 3,0 x 2,0 mm
41303-45	Ø 4,5 x 2,0 mm

Saugrohre, Saugkanülen
 Suction Tubes, Suction Cannulae
 Tubos de aspiración, Cánulas para aspiración
 Tubi aspirazioni, Cannule per aspirazione



Sauggriff
 Suction Handle
 Mango de aspiración
 Manico per aspirazione

WULLSTEIN
 41307-00



Kanüle für Sauggriff
 Tip for Suction Handle
 Cánula para mango
 Cannula per manico
 di aspirazione

ROSEN

0,5 mm Ø	41305-05	1,4 mm Ø	41305-14
0,6 mm Ø	41305-06	1,5 mm Ø	41305-15
0,7 mm Ø	41305-07	1,8 mm Ø	41305-18
0,8 mm Ø	41305-08	2,0 mm Ø	41305-20
0,9 mm Ø	41305-09	2,5 mm Ø	41305-25
1,0 mm Ø	41305-10	3,0 mm Ø	41305-30
1,2 mm Ø	41305-12		



Charr. 6 41304-06
 Charr. 8 41304-08
 Charr. 10 41304-10

PLESTER
 30°



biegsam
 malleable
 maleable
 malleabile

SCHMID
 15 cm, 6"



Ø 3 mm
 41307-03



Ø 4 mm
 41307-04



Ø 5 mm
 41307-05

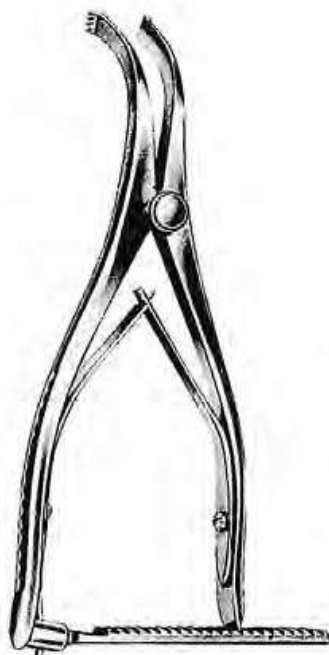


Ø 6 mm
 41307-06

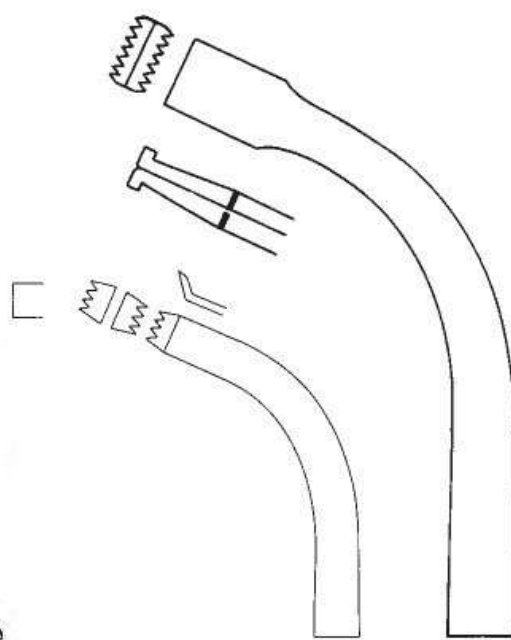
Wirbelkörperspreizer
Lamina Spreaders
Separadores para cuerpos vertebrales
Divaricatori per corpi vertebrali



CLOWARD
41401-16



INGE
41405-17 – 41405-27



41405-17
17 cm
6 ³/₄"

41405-27
27 cm
10 ¹/₂"



19 mm

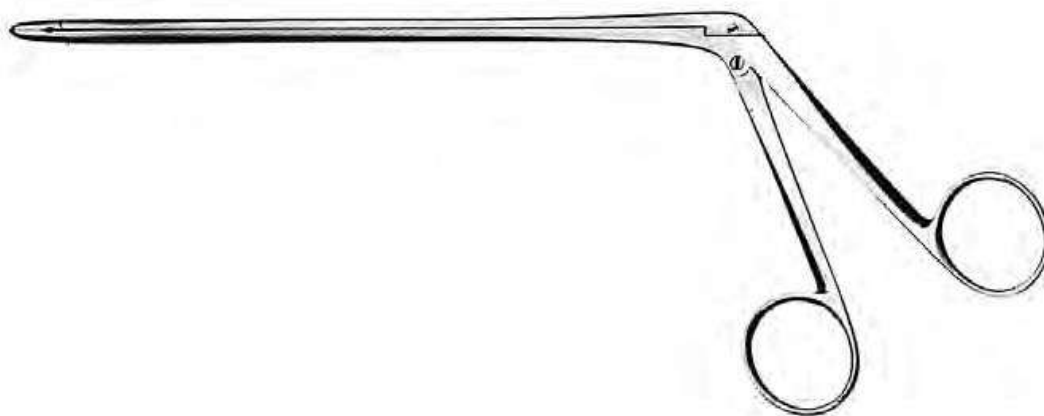
CLOWARD
41406-01
12,5 cm, 5"



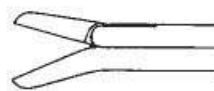
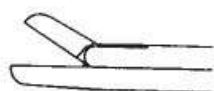
38 mm

CLOWARD
41406-02
7,6 cm, 3"

Laminektomie Zangen
 Laminectomy Rongeurs
 Pinzas cortantes para laminectomia
 Pinze taglienti per laminectomia

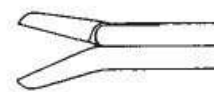
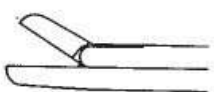


CUSHING 2 mm



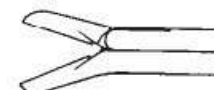
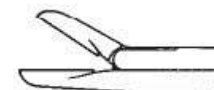
2x10 mm	L	2x10 mm/45°	L	2x10 mm/45°	L
41420-01	12,5 cm	41420-02	12,5 cm	41420-03	12,5 cm
41421-01	15,0 cm	41421-02	15,0 cm	41421-03	15,0 cm
41422-01	18,0 cm	41422-02	18,0 cm	41422-03	18,0 cm

LOVE-GRUENWALD 3 mm



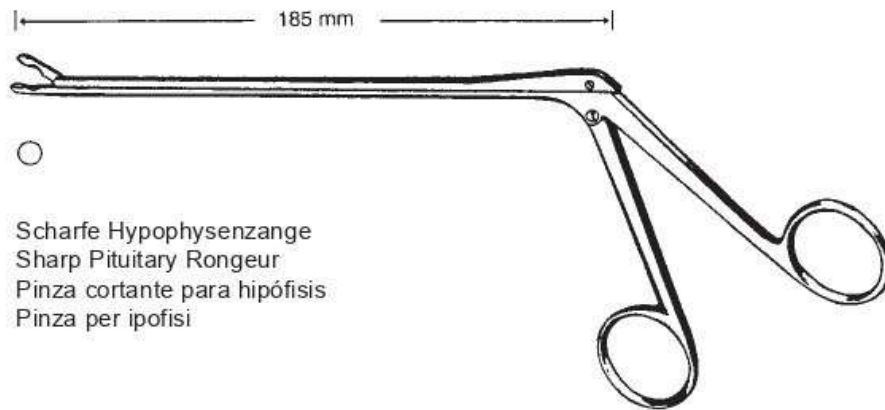
3x10 mm	L	3x10 mm/45°	L	3x10 mm/45°	L
41430-01	12,5 cm	41430-02	12,5 cm	41430-03	12,5 cm
41431-01	15,0 cm	41431-02	15,0 cm	41431-03	15,0 cm
41432-01	18,0 cm	41432-02	18,0 cm	41432-03	18,0 cm

SPURLING 4 mm

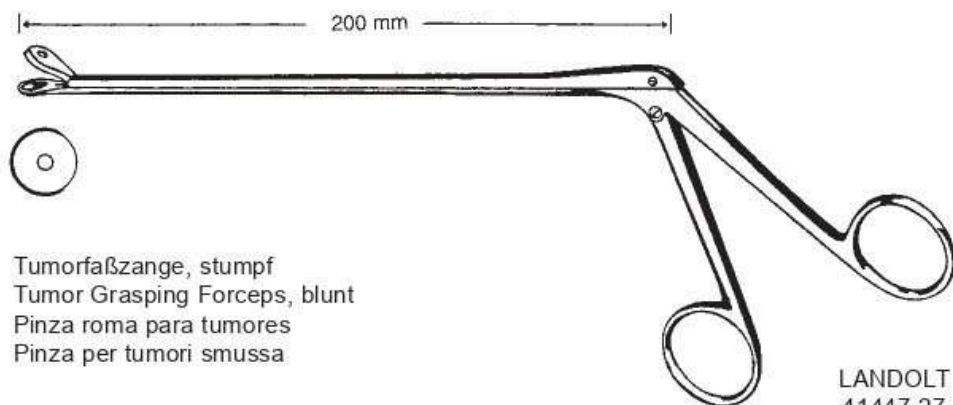
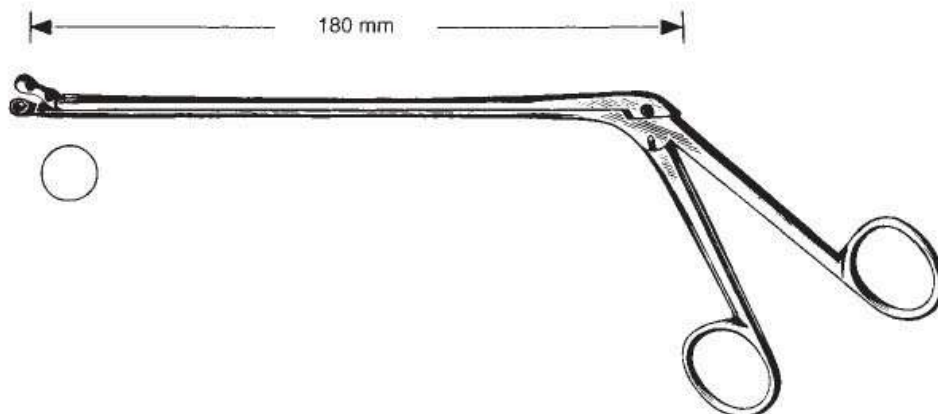


4x10 mm	L	4x10 mm/45°	L	4x10 mm/45°	L
41440-01	12,5 cm	41440-02	12,5 cm	41440-03	12,5 cm
41441-01	15,0 cm	41441-02	15,0 cm	41441-03	15,0 cm
41442-01	18,0 cm	41442-02	18,0 cm	41442-03	18,0 cm

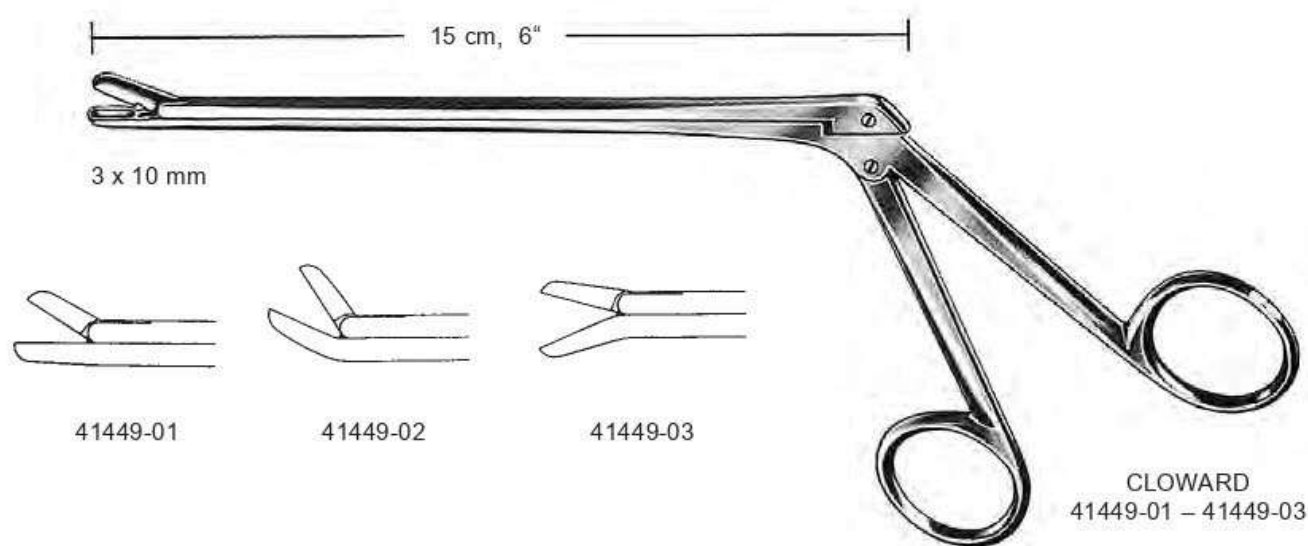
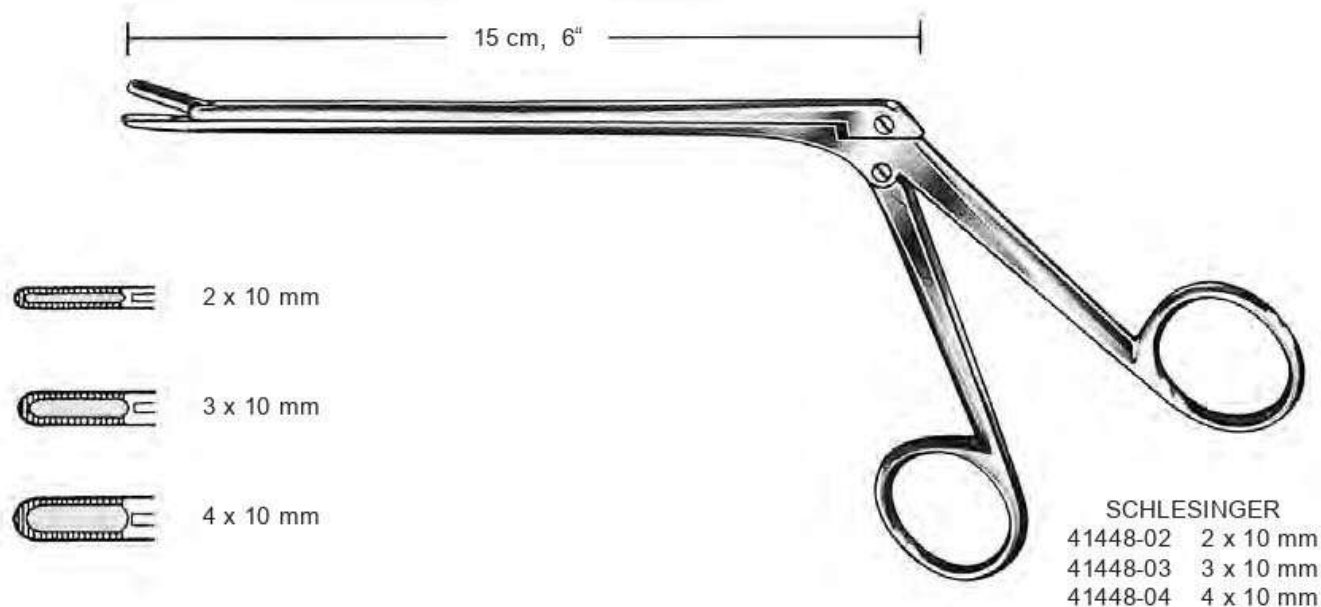
Laminektomie Zangen
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinze taglienti per laminectomia



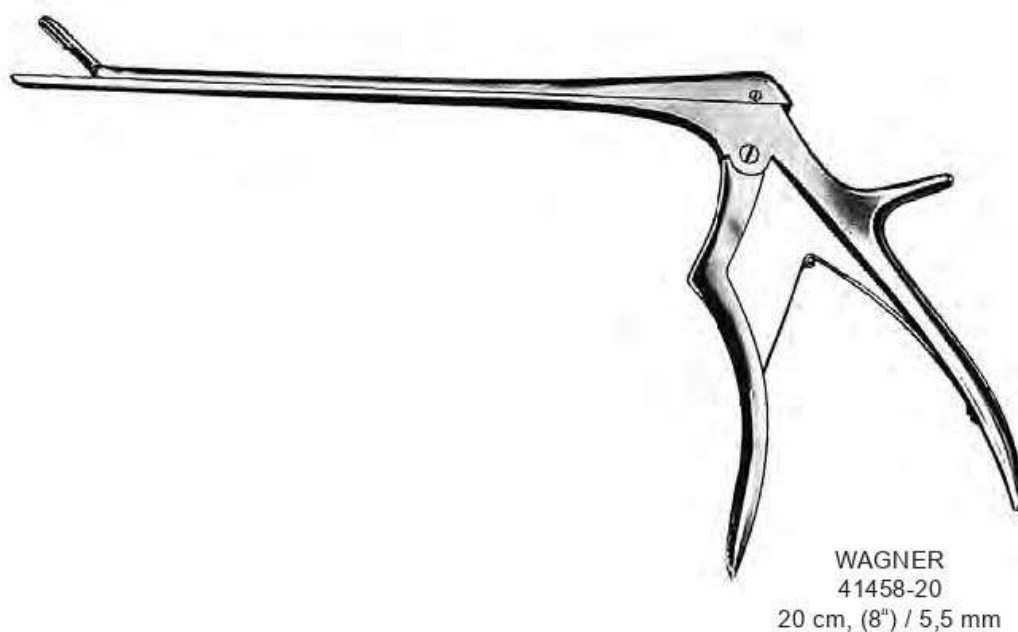
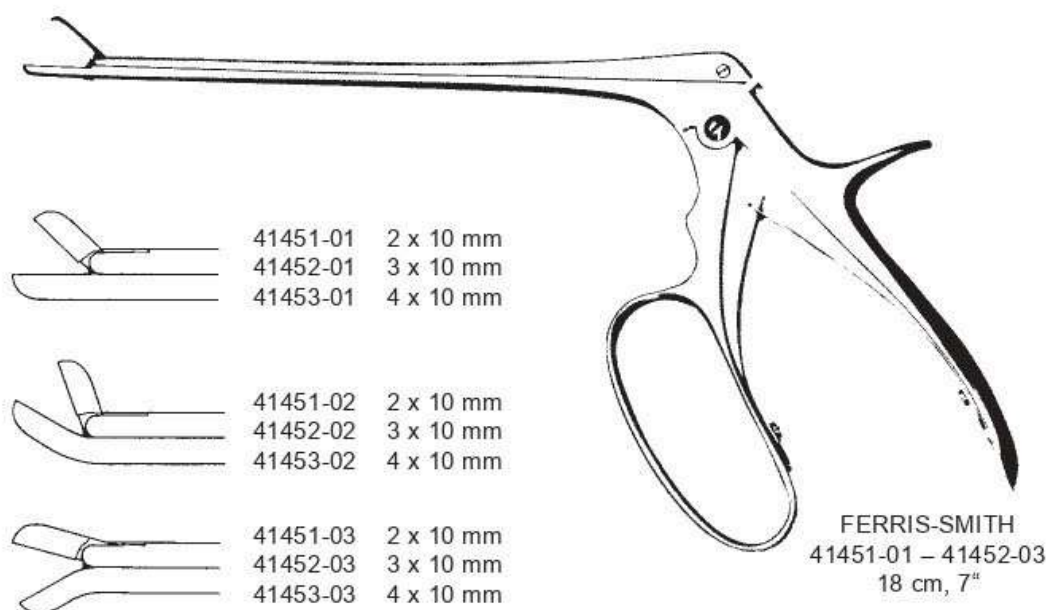
41443-26
25,5 cm, 10"



Laminektomie Zangen
 Laminectomy Rongeurs
 Pinzas cortantes para laminectomia
 Pinze taglienti per laminectomia



Laminektomie Zangen
Laminectomy Rongeurs
Pinzas cortantes para laminectomia
Pinze taglianti per laminectomia

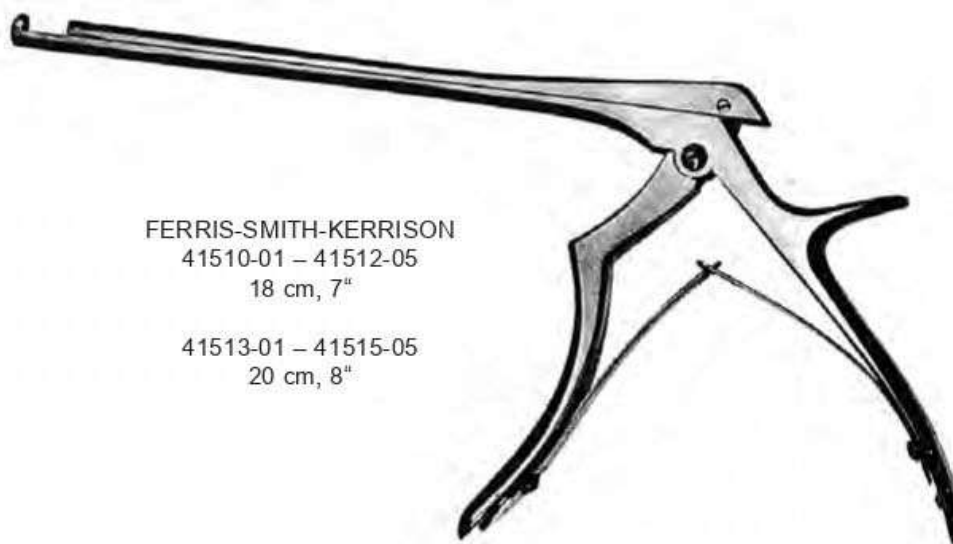


Bandscheibenstanzen

Intervertebral Disc Rongeurs

Pinzas sacabocado para discos intervertebrales

Pinze taglienti per dischi intervertebrali



FERRIS-SMITH-KERRISON

41510-01 – 41512-05

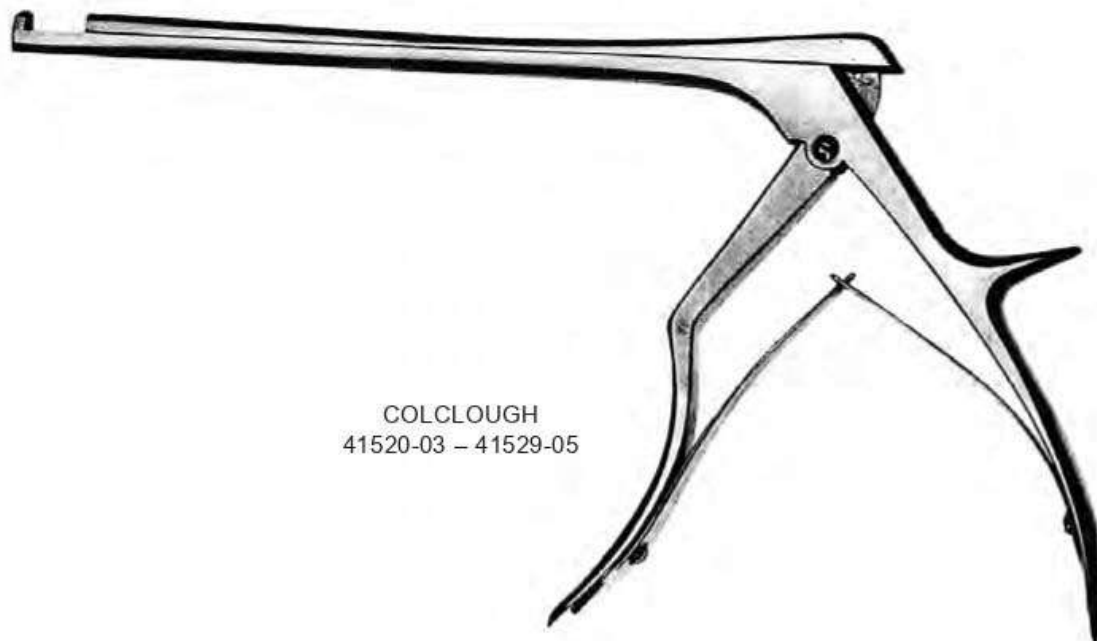
18 cm, 7"

41513-01 – 41515-05

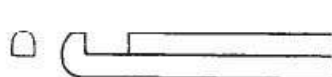
20 cm, 8"

	90°	90°	40°
			
18 cm	41510-01 1 mm	41511-01 1 mm	41512-01 1 mm
20 cm	41513-01 1 mm	41514-01 1 mm	41515-01 1 mm
			
18 cm	41510-02 2 mm	41511-02 2 mm	41512-02 2 mm
20 cm	41513-02 2 mm	41514-02 2 mm	41515-02 2 mm
			
18 cm	41510-03 3 mm	41511-03 3 mm	41512-03 3 mm
20 cm	41513-03 3 mm	41514-03 3 mm	41515-03 3 mm
			
18 cm	41510-04 4 mm	41511-04 4 mm	41512-04 4 mm
20 cm	41513-04 4 mm	41514-04 4 mm	41515-04 4 mm
			
18 cm	41510-05 5 mm	41511-05 5 mm	41512-05 5 mm
20 cm	41513-05 5 mm	41514-05 5 mm	41515-05 5 mm

Bandscheibenstanzen
Intervertebral Disc Rongeurs
Pinzas sacabocado para discos intervertebrales
Pinze taglianti per dischi intervertebrali

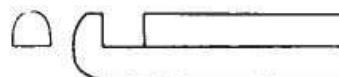


COLCLOUGH
41520-03 – 41529-05



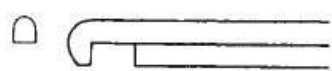
3 mm

41520-03 15 cm, 6"
41522-03 20 cm, 8"



5 mm

41520-05 15 cm, 6"
41522-05 20 cm, 8"



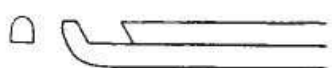
3 mm

41524-03 15 cm, 6"
41526-03 20 cm, 8"



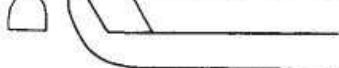
5 mm

41524-05 15 cm, 6"
41526-05 20 cm, 8"



3 mm

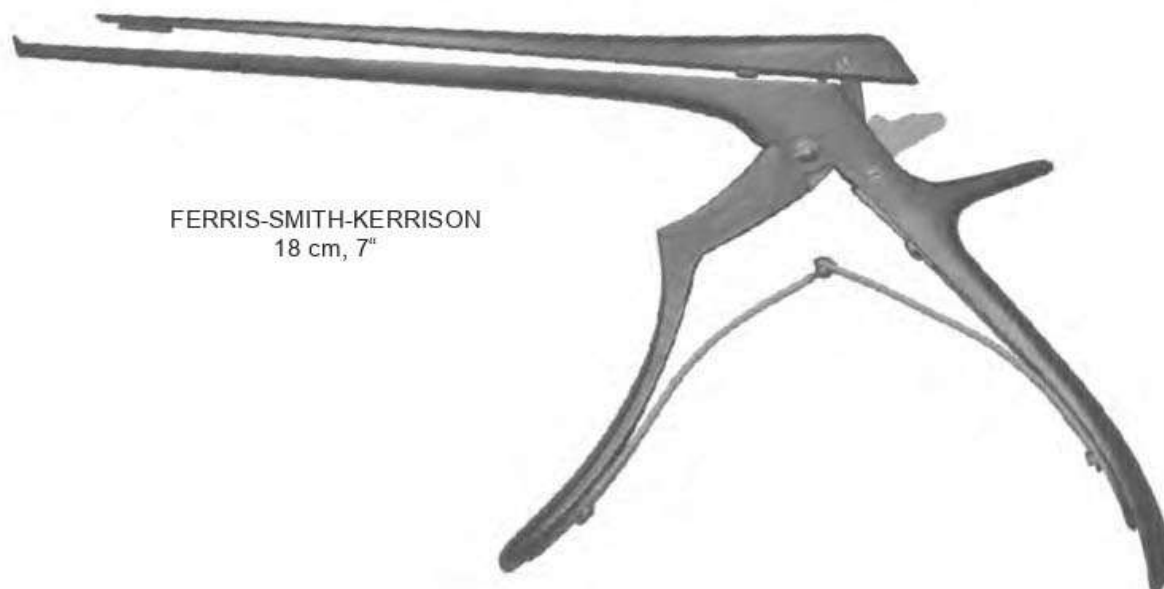
41527-03 15 cm, 6"
41529-03 20 cm, 8"



5 mm

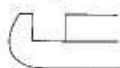
41527-05 15 cm, 6"
41529-05 20 cm, 8"

Zerlegbare Stanzen
Detachable punches
Pinzas cortantes desmontables
Pinze taglienti e smontabili



FERRIS-SMITH-KERRISON
18 cm, 7"

90°



130°



41540-02 2 mm

41542-02 2 mm

41540-03 3 mm

41542-03 3 mm

41540-04 4 mm

41542-04 4 mm

41540-05 5 mm

41542-05 5 mm

YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

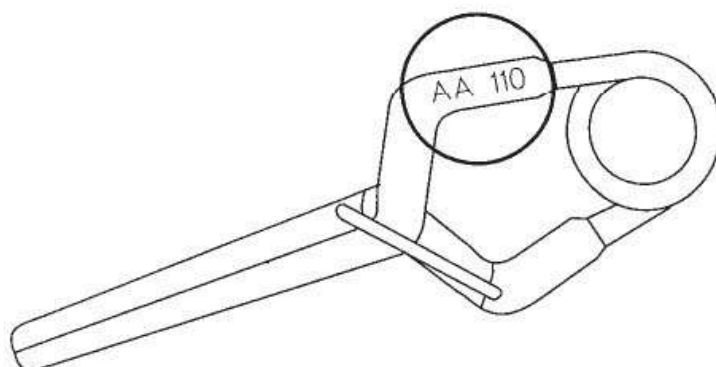
Features of the Clip

SERIAL-NUMBER

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
- from raw material to the final product

These informations are registered in our company for the period of 10 years.



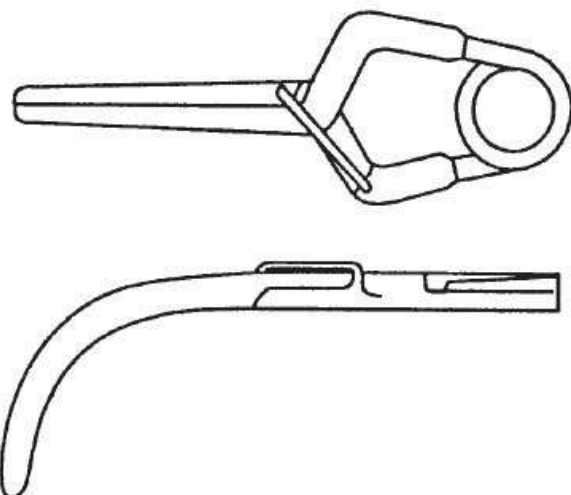
PACKING – LABELING

Each clip is individually packaged in a transparent box made of resistant plastic.
 Special wishes of customers regarding the packaging will be considered by us. This will be marked on an internal instruction.

The transparent box is marked with a label in order to assure a quick and sure identification of the clip.

On the label you can find the following data:

- catalogue number
- Product description
- Illustration
- Closing force in g
- Tolerance range of closing force
- Blade length
- Maximum opening
- Blade geometry
- Serial number
- Jaw profile
- Material description
- Lot number
- the notes "NOT STERILE"
- WARNING



YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
in high quality Implant steel antimagnetic
de acero inoxidable para implantes de alta calidad, antimagnético
Prodotto in acciaio di alta qualità, antimagnetico

Features of the Clip

JAW-PROFILE

The rounded, pyramid-like structure is stamped into the jaw through a special step in production and prevents sharp edged which could perforate an aneurysm

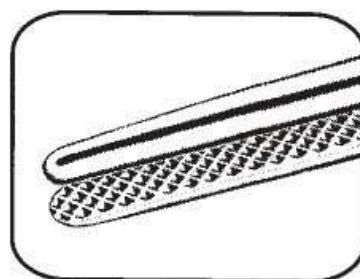
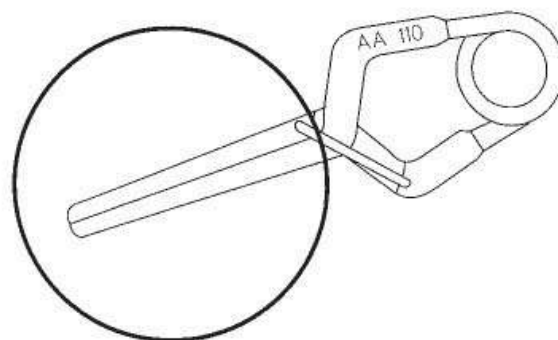
No edges or burrs through additional rounding of structures that border the clip outer side because of this, real atraumatic application of the clip

Increased surface area due to the pyramid-like design of the jaws inner surface the cross-like structure of the inner jaws pyramid surface doubles the tissue-holding area.

The applied pressure distributes itself evenly over the length of the jaw.

The convex closure of the clip assures an atraumatic and secure closure of the aneurysm.

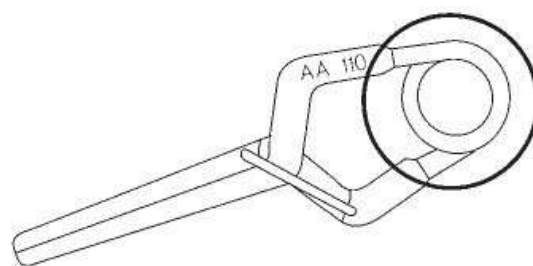
Sliding of the clip is prevented.



SPRING-DESIGN

The spring size, which is different in the Standard and Mini clips, is the same within the same type of the Clip.

Through this, the highest degree of a secure fit is ensured by the clip applicator (clip/clip applicator fit)



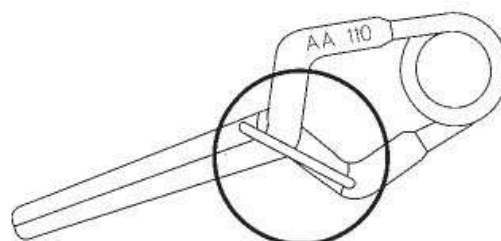
LINK-DESIGN

Laser welded

The link ensures the precise guidance of the jaws and a "soft" opening of the clip during the whole spreading process.

The contact surface of the jaws are guided symmetrically in an exact way "over the whole length" this fact guarantees an additional stability of the clip.

No over-stress of the material because the design of the link limits the maximum opening width.



YASARGIL – Aneurysmen – Gefäß – Clips
 YASARGIL – Aneurysm – Vessel – Clips
 YASARGIL – Clips para aneurisma
 YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

Features of the Clip

CLOSING-FORCE

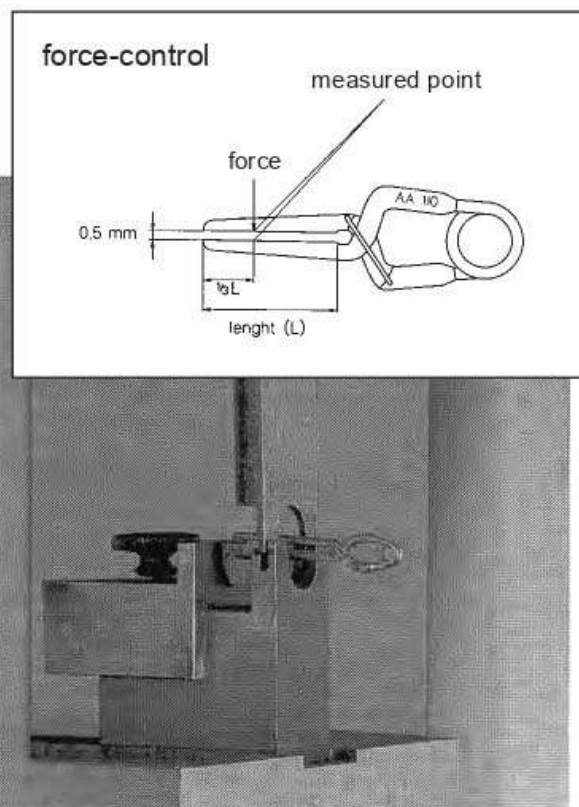
The closing force is measured at one third of the jaw length and an opening of 0,5 mm.

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.

By 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 consequence we exclude any kind of manipulation.

All relevant technical data are stored during the control procedure and printed on the label.



Material and Quality Assurance

According to DIN 17445, implant steel is used in the production of our Aneurysm Clip

High stability characteristics
 Excellent tissue compatibility
 Secure closure of blood vessels
 Antimagnetic
 Ideally suited as implantation material
 Security against over straining

YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

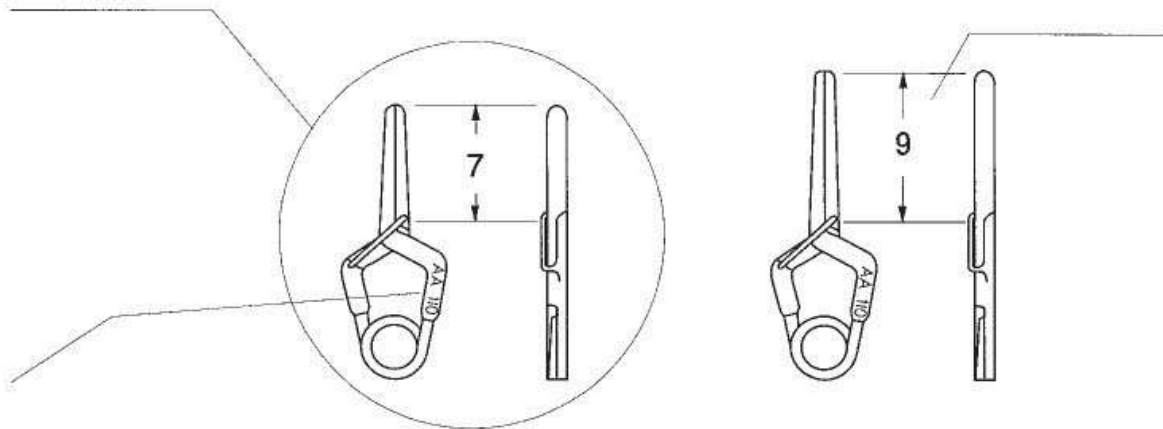
aus hochwertigem Implantat-Stahl antimagnetisch
in high quality Implant steel antimagnetic
de acero inoxidable para implantes de alta calidad, antimagnético
Prodotto in acciaio di alta qualità, antimagnetico

Erklärung zum Katalog-System

Instructions for the catalogue-system

Explicaciones para el sistema del catálogo

Esempio del sistema del catalogo

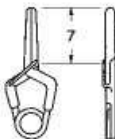
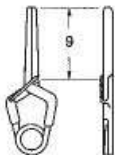
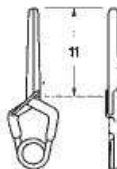
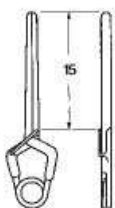
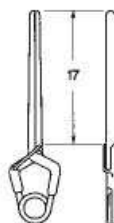
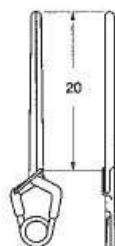
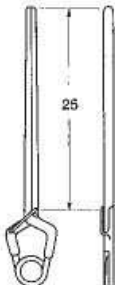
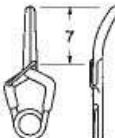
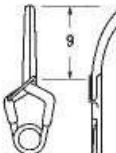
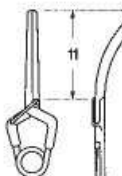
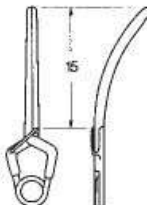
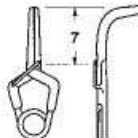
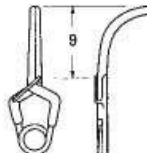
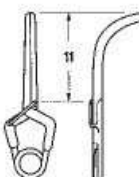
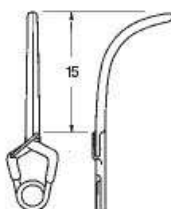
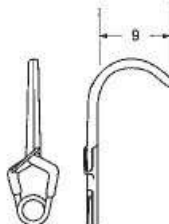
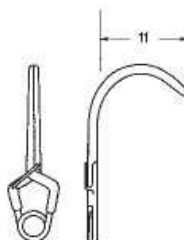
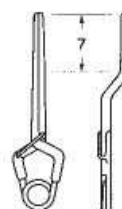
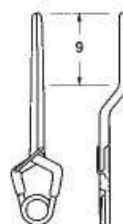


YASARGIL – Aneurysmen – Gefäß – Clips
 YASARGIL – Aneurysm – Vessel – Clips
 YASARGIL – Clips para aneurisma
 YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschluss
 YASARGIL-STANDARD for permanent closure
 YASARGIL-STANDARD para cierre permanente
 YASARGIL-STANDARD con chiusura permanente

Standard

							
Cat. Nr.	41600-62	41600-70	41600-78	41600-92	41601-10	41601-11	
	41600-62 T	41600-70 T	41600-78 T	41600-92 T	41601-10 T	41601-11 T	
max. opening	6,2 mm	7,0 mm	7,8 mm	9,2 mm	10,6 mm	11,4 mm	
Force	150 gms	180 gms	180 gms	200 gms	200 gms	200 gms	
							
	41601-13	41602-60	41602-68	41602-75	41602-87	41603-55	41603-61
	41601-13 T	41602-60 T	41602-68 T	41602-75 T	41602-87 T	41603-55 T	41603-61 T
	13,3 mm	6,0 mm	6,8 mm	7,5 mm	8,7 mm	5,5 mm	6,1 mm
	200 gms	150 gms	180 gms	180 gms	200 gms	150 gms	180 gms
							
	41603-65	41603-74	41604-54	41604-58	41604-62	41604-79	41604-87
	41603-65 T	41603-74 T	41604-54 T	41604-58 T	41604-62 T	41604-79 T	41604-87 T
	6,5 mm	7,4 mm	5,4 mm	5,8 mm	6,2 mm	7,9 mm	8,7 mm
	180 gms	200 gms	180 gms	180 gms	180 gms	200 gms	200 gms

YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschuß

YASARGIL-STANDARD for permanent closure

YASARGIL-STANDARD para cierre permanente

YASARGIL-STANDARD con chiusura permanente

Standard

Cat. Nr.	41605-10 41605-10 T	41605-12 41605-12 T	41605-13 41605-13 T	41606-62 41606-62 T	41606-65 41606-65 T	41606-78 41606-78 T
max. opening	10,2 mm	11,9 mm	13,0 mm	6,2 mm	6,5 mm	7,8 mm
Force	200 gms	180 gms	180 gms	200 gms	200 gms	200 gms
	41606-84 41606-84 T	41607-56 41607-56 T	41607-57 41607-57 T	41607-58 41607-58 T	41607-59 41607-59 T	41607-60 41607-60 T
	8,4 mm	5,6 mm	5,6 mm	5,6 mm	5,4 mm	5,6 mm
	200 gms	200 gms	200 gms	200 gms	200 gms	200 gms
	41607-73 41607-73 T	41607-82 41607-82 T	41608-57 41608-57 T	41608-80 41608-80 T	41609-70 41609-70 T	
	7,2 mm	8,2 mm	5,7 mm	8,0 mm	7,0 mm	
	200 gms	200 gms	200 gms	200 gms	200 gms	

YASARGIL – Aneurysmen – Gefäß – Clips
 YASARGIL – Aneurysm – Vessel – Clips
 YASARGIL – Clips para aneurisma
 YASARGIL – Clips per aneurisma

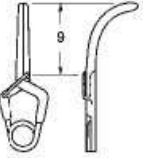
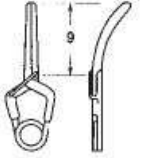
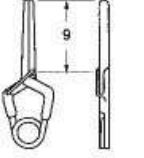
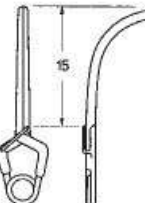
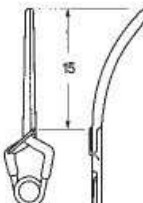
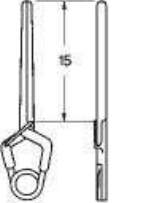
aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

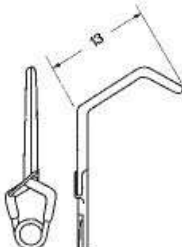
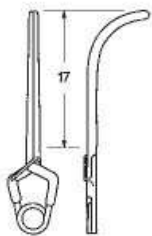
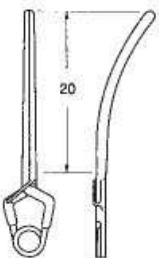
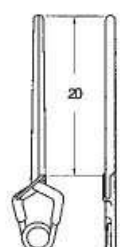
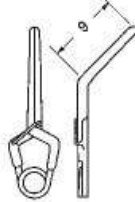
YASARGIL-STANDARD für temporären Verschluss
 YASARGIL-STANDARD for temporary closure
 YASARGIL-STANDARD para cierre temporal
 YASARGIL-STANDARD con chiusura temporanea

Standard

Cat. Nr.

max. opening
 Force

					
41610-61 41610-61 T	41610-68 41610-68 T	41610-70 41610-70 T	41611-74 41611-74 T	41611-87 41611-87 T	41611-92 41611-92 T
6,1 mm	6,8 mm	7,0 mm	7,4 mm	8,7 mm	9,2 mm
70 gms	70 gms	70 gms	70 gms	70 gms	70 gms

				
41612-07 41612-07 T	41612-09 41612-09 T	41612-11 41612-11 T	41612-12 41612-12 T	41612-62 41612-62 T
7,5 mm	9,9 mm	11,0 mm	11,4 mm	6,2 mm
90 gms	90 gms	90 gms	90 gms	70 gms

YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

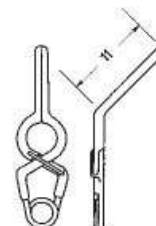
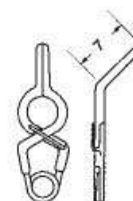
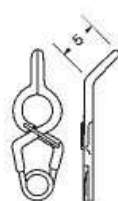
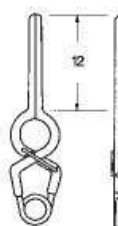
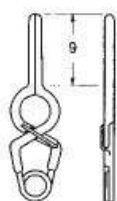
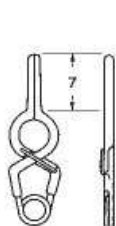
YASARGIL-STANDARD für permanenten Verschluss

YASARGIL-STANDARD for permanent closure

YASARGIL-STANDARD para cierre permanente

YASARGIL-STANDARD con chiusura permanente

Standard



Cat. Nr.

41613-74

41613-84

41613-96

41614-58

41614-65

41614-72

 max. opening
 Force

41613-74 T

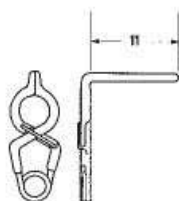
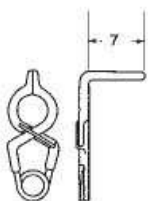
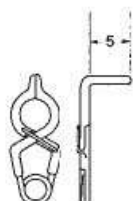
41613-84 T

41613-96 T

41614-58 T

41614-65 T

41614-72 T

7,4 mm
150 gms8,4 mm
150 gms9,6 mm
180 gms5,8 mm
150 gms6,5 mm
150 gms7,2 mm
180 gms

41615-49

41615-50

41615-51

41615-49 T

41615-50 T

41615-51 T

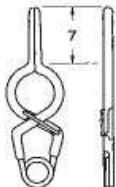
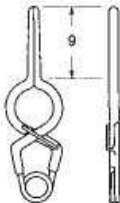
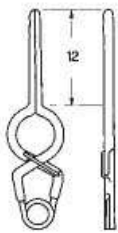
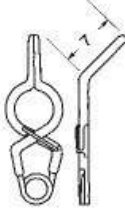
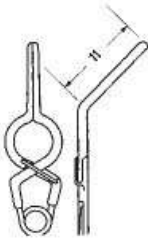
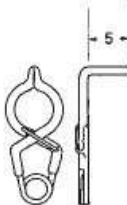
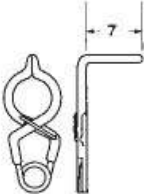
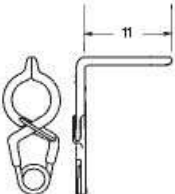
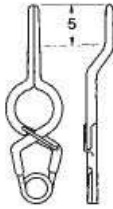
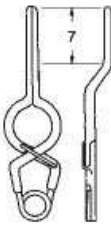
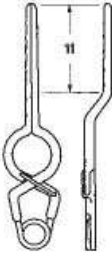
4,9 mm
150 gms4,9 mm
150 gms4,9 mm
180 gms

YASARGIL – Aneurysmen – Gefäß – Clips
 YASARGIL – Aneurysm – Vessel – Clips
 YASARGIL – Clips para aneurisma
 YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschluss
 YASARGIL-STANDARD for permanent closure
 YASARGIL-STANDARD para cierre permanente
 YASARGIL-STANDARD con chiusura permanente

Standard

						
Cat. Nr.	41616-79 41616-79 T	41616-91 41616-91 T	41617-10 41617-10 T	41617-65 41617-65 T	41617-72 41617-72 T	41617-78 41617-78 T
max. opening	7,9 mm	9,1 mm	10,3 mm	6,5 mm	7,2 mm	7,8 mm
Force	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms
						
	41618-55 41618-55 T	41618-56 41618-56 T	41618-57 41618-57 T	41618-79 41618-79 T	41618-88 41618-88 T	41619-00 41619-00 T
	5,5 mm	5,5 mm	5,5 mm	7,9 mm	8,8 mm	10,0 mm
	150 gms	150 gms	180 gms	150 gms	150 gms	180 gms

YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

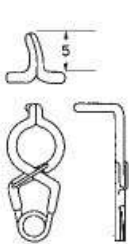
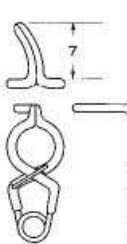
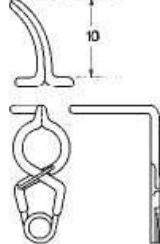
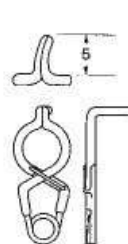
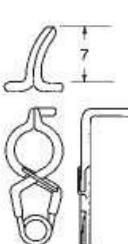
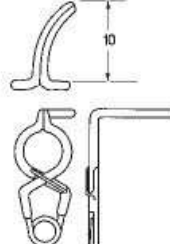
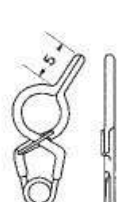
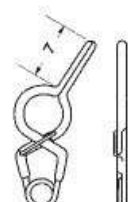
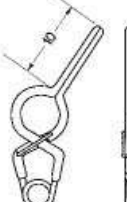
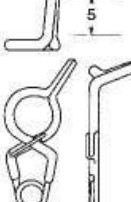
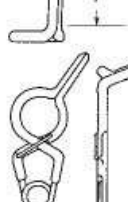
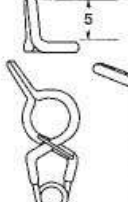
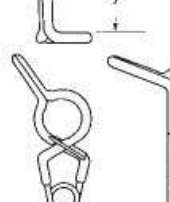
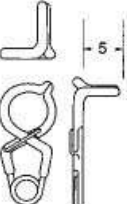
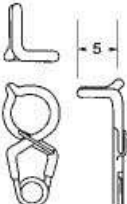
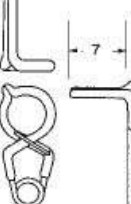
YASARGIL-STANDARD für permanenten Verschluss

YASARGIL-STANDARD for permanent closure

YASARGIL-STANDARD para cierre permanente

YASARGIL-STANDARD con chiusura permanente

Standard

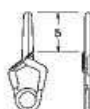
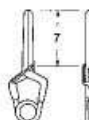
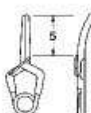
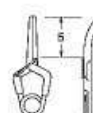
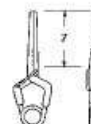
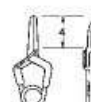
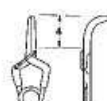
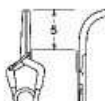
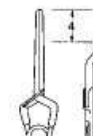
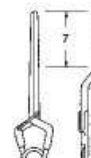
							
Cat. Nr.	41620-58	41620-59	41620-60	41620-61	41620-62	41620-63	
	41620-58 T	41620-59 T	41620-60 T	41620-61 T	41620-62 T	41620-63 T	
max. opening	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm	5,8 mm	
Force	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms	
							
	41620-70	41620-78	41620-88	41621-58	41621-62	41622-58	41622-62
	41620-70 T	41620-78 T	41620-88 T	41621-58 T	41621-62 T	41622-58 T	41622-62 T
	7,0 mm	7,8 mm	8,8 mm	5,8 mm	6,2 mm	5,8 mm	6,2 mm
	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms	150 gms
							
	41623-56	41624-56	41625-56	41626-56			
	41623-56 T	41624-56 T	41625-56 T	41626-56 T			
	5,6 mm	5,6 mm	5,6 mm	5,6 mm			
	150 gms	150 gms	150 gms	150 gms			

YASARGIL – Aneurysmen – Gefäß – Clips
 YASARGIL – Aneurysm – Vessel – Clips
 YASARGIL – Clips para aneurisma
 YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

YASARGIL-STANDARD für permanenten Verschuß
 YASARGIL-STANDARD for permanent closure
 YASARGIL-STANDARD para cierre permanente
 YASARGIL-STANDARD con chiusura permanente

Mini

							
Cat. Nr.	41627-33 41627-33 T	41627-40 41627-40 T	41628-33 41628-33 T	41628-40 41628-40 T	41628-46 41628-46 T	41629-32 41629-32 T	
max. opening	3,3 mm	4,0 mm	3,3 mm	4,0 mm	4,6 mm	3,2 mm	
Force	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms	
							
	41629-38 41629-38 T	41630-36 41630-36 T	41630-38 41630-38 T	41631-36 41631-36 T	41631-40 41631-40 T	41631-44 41631-44 T	41632-36 41632-36 T
	3,8 mm	3,6 mm	3,8 mm	3,6 mm	4,0 mm	4,4 mm	3,6 mm
	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms	110 gms
							
	41633-35 41633-35 T	41633-40 41633-40 T	41634-35 41634-35 T	41634-60 41634-60 T	41634-70 41634-70 T	41635-57 41635-57 T	41636-45 41636-45 T
	3,5 mm	4,0 mm	3,5 mm	6,0 mm	7,0 mm	5,7 mm	4,5 mm
	110 gms	110 gms	130 gms	130 gms	130 gms	130 gms	130 gms

YASARGIL – Aneurysmen – Gefäß – Clips

YASARGIL – Aneurysm – Vessel – Clips

YASARGIL – Clips para aneurisma

YASARGIL – Clips per aneurisma

aus hochwertigem Implantat-Stahl antimagnetisch
 in high quality Implant steel antimagnetic
 de acero inoxidable para implantes de alta calidad, antimagnético
 Prodotto in acciaio di alta qualità, antimagnetico

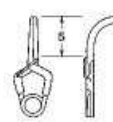
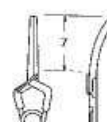
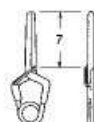
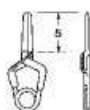
YASARGIL-STANDARD für temporären Verschuß

YASARGIL-STANDARD for temporary closure

YASARGIL-STANDARD para cierre temporal

YASARGIL-STANDARD con chiusura temporanea

Mini



Cat. Nr.

41637-33

41637-33 T

41637-40

41637-40 T

41638-38

41638-38 T

41638-46

41638-46 T

41639-44

41639-44 T

41640-40

41640-40 T

max. opening

3,3 mm

4,0 mm

3,8 mm

4,6 mm

4,4 mm

4,0 mm

Force

50 gms

50 gms

50 gms

70 gms

70 gms

70 gms

Anlegezange mit Rundgriff – FLEXIBEL – mit und ohne drehbarem Maulteil

Applying forceps with round shaft – FLEXIBLE – with and without Rotation

Pinzas de aplicación con mango redondo – FLEXIBLE – con y sin rotación

Posa clips con manico rotunda guaina FLESSIBILE cover sistema rotante ed non rotante

Länge

Length

Largo

Lunghezza

MINI

STANDARD

70 mm

41641-07

41643-07

90 mm

41641-09

41643-09

110 mm

41641-11

41643-11

nicht drehbar

non rotating

sin rotación

non rotante



Länge

Length

Largo

Lunghezza

MINI

STANDARD

70 mm

41642-07

41644-07

90 mm

41642-09

41644-09

110 mm

41642-11

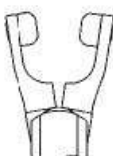
41644-11

drehbar

rotating

rotante

rotante

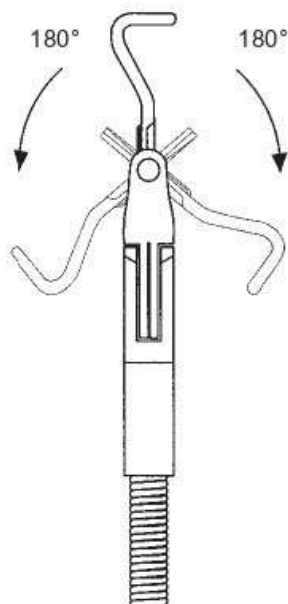


drehbar

rotating

rotante

rotante



Beispiel für Drehmechanismus

Example for Rotation

Ejemplo de la rotación

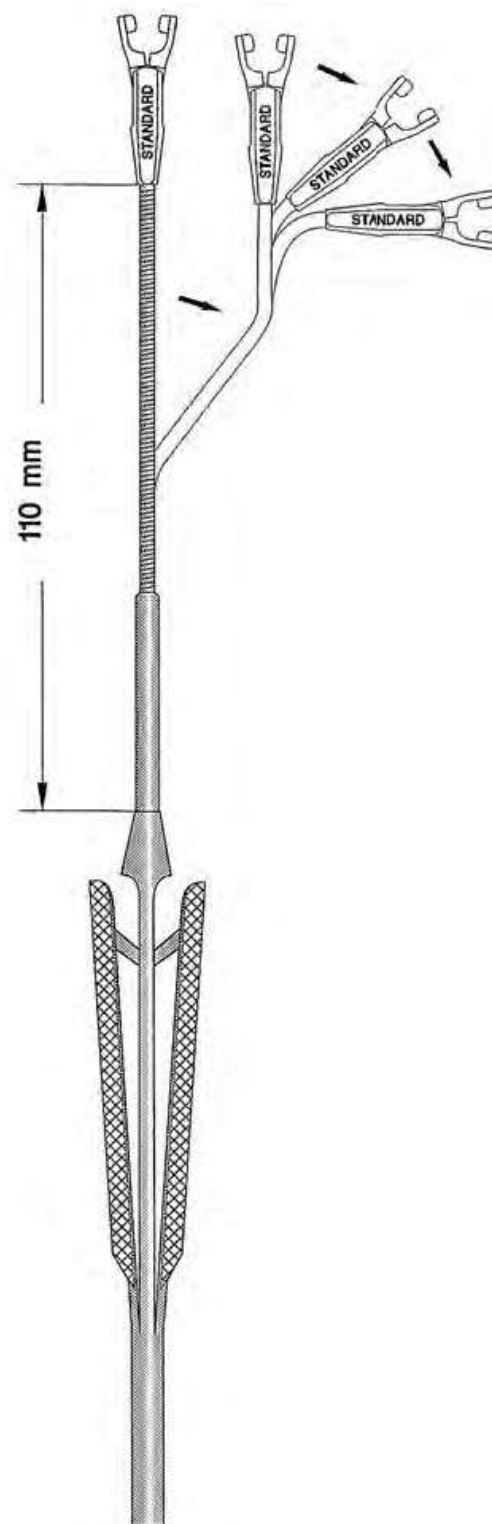
Esempio della rotazione

Clips drehbar im Maul

Clips rotatable in jaw

Clips rotatable in la boca

Clips rotabile nel morso



41641-07 - 41644-11

Anlegezange mit Rundgriff – starr – mit und ohne drehbarem Maulteil

Applying forceps with round shaft – rigid – with and without Rotation

Pinzas de aplicación con mango redondo – rígido – con y sin rotación

Posa clips con manico rotonda guaina rigida cover sistema rotante ed non rotante

Länge

Length

Largo

Lunghezza

MINI

STANDARD

70 mm

41645-07

41647-07

90 mm

41645-09

41647-09

110 mm

41645-11

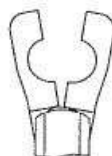
41647-11

nicht drehbar

non rotating

sin rotación

non rotante



Länge

Length

Largo

Lunghezza

MINI

STANDARD

70 mm

41646-07

41648-07

90 mm

41646-09

41648-09

110 mm

41646-11

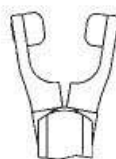
41648-11

drehbar

rotating

rotante

rotante

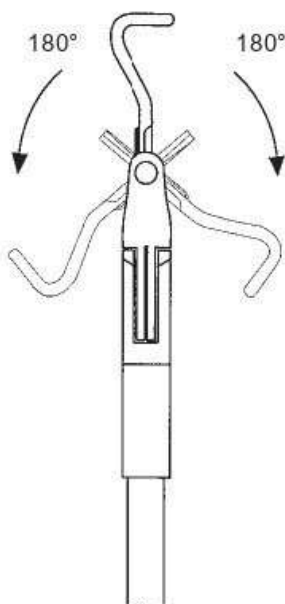


drehbar

rotating

rotante

rotante



Beispiel für Drehmechanismus

Example for Rotation

Ejemplo de la rotación

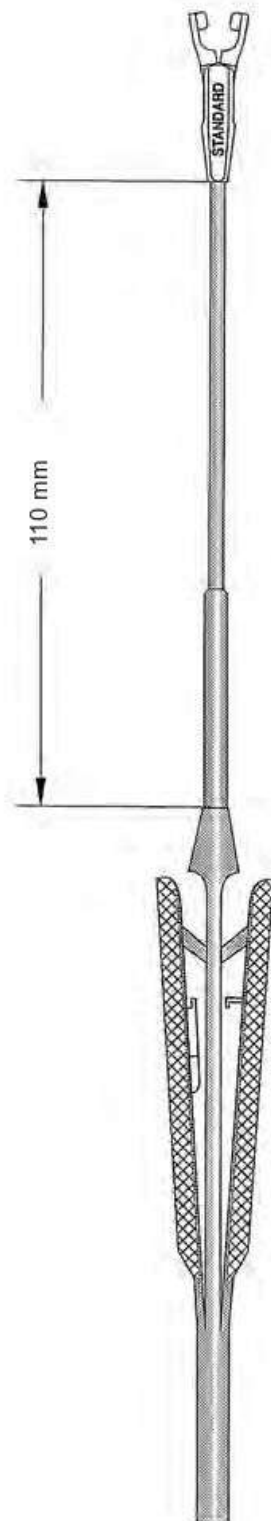
Esempio della rotazione

Clips drehbar im Maul

Clips rotatable in jaw

Clips rotatable in la boca

Clips rotabile nel morso

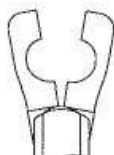


41645-07 - 41648-11

Anlegezange mit Rundgriff – starr – mit und ohne drehbarem Maulteil
 Applying forceps with round shaft – rigid – with and without Rotation
 Pinzas de aplicación con mango redondo – rígido – con y sin rotación
 Posa clips con manico rotonda guaina rigida cover sistema rotante ed non rotante

Länge		
Length		
Largo		
Lunghezza	MINI	STANDARD
70 mm	41649-07	41651-07
90 mm	41649-09	41651-09
110 mm	41649-11	41651-11

nicht drehbar
 non rotating
 sin rotación
 non rotante

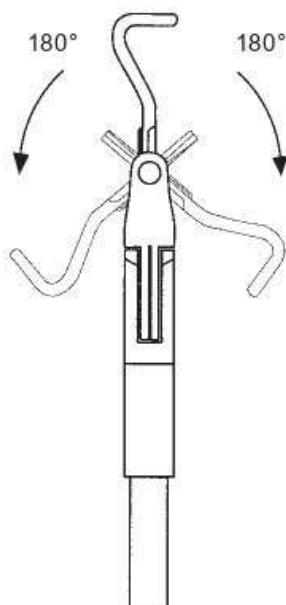


Länge		
Length		
Largo		
Lunghezza	MINI	STANDARD
70 mm	41650-07	41652-07
90 mm	41650-09	41652-09
110 mm	41650-11	41652-11

drehbar
 rotating
 rotante
 rotante

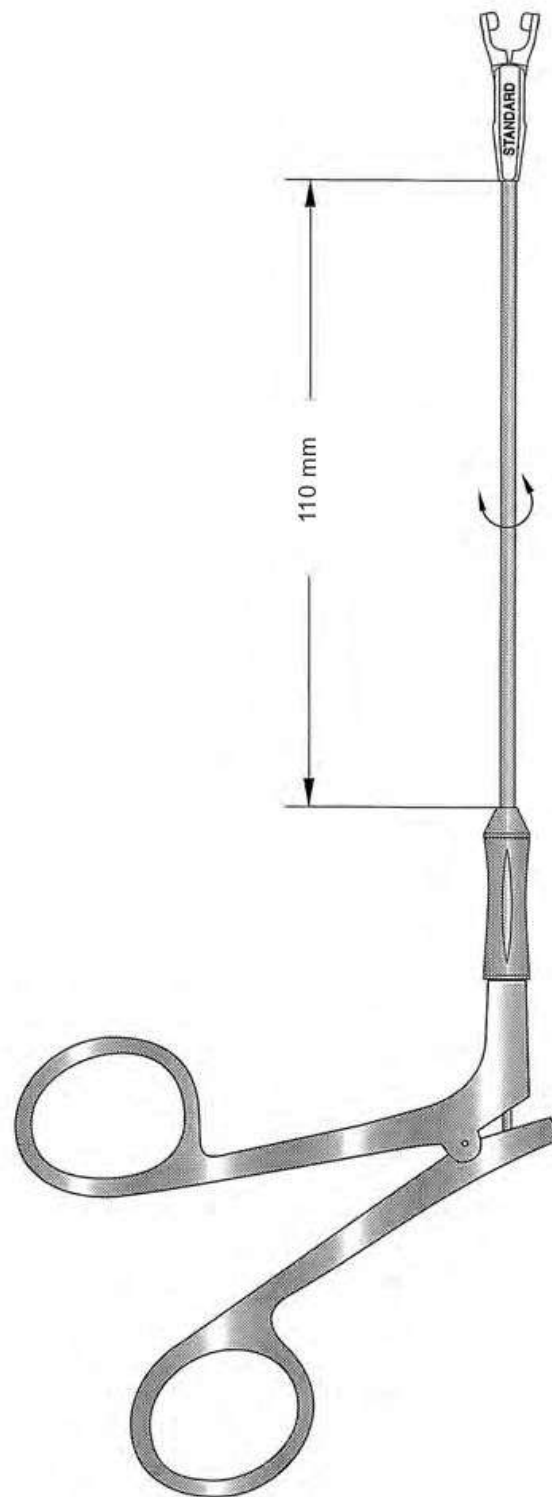


drehbar
 rotating
 rotante
 rotante



Beispiel für Drehmechanismus
 Example for Rotation
 Ejemplo de la rotación
 Esempio della rotazione

Clips drehbar im Maul
 Clips rotatable in jaw
 Clips rotatable in la boca
 Clips rotabile nel morso



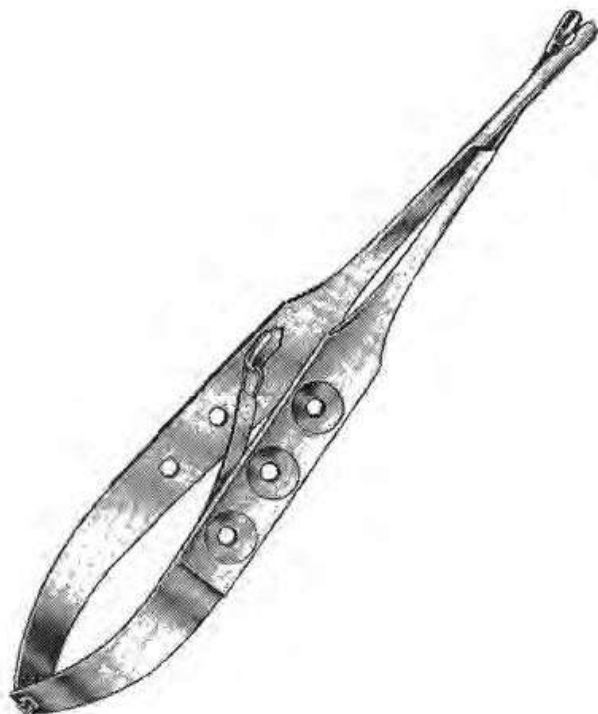
41649-07 - 41652-11

Anlegezange – mit und ohne drehbarem Maulteil

Applying Forceps – with and without Rotation

Pinzas de aplicación, con y sin rotación

Pinza posa clips, con ed senza rotazione



MINI	41653-18	
STANDARD	41654-18	
MINI	41655-18	drehbar / rotating rotante / rotante
STANDARD	41656-18	drehbar / rotating rotante / rotante

Anlegezange gerade, mit Sperre, Länge 18 cm, 7"
Applying Forceps straight, with Ratchet, Length 18 cm, 7"
Pinza de aplicación, con cremallera, 18 cm, 7"
Posa clips, retta con bloccaggio lunghezza 18 cm, 7"

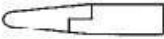


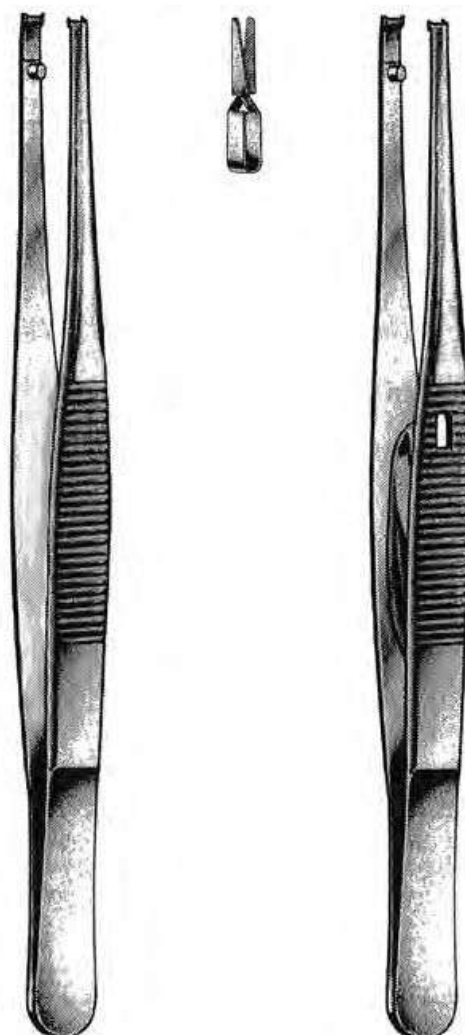
Länge			
Length			
Largo			
Lunghezza	17 cm, 6 3/4"	21 cm, 8 1/4"	23 cm, 9"
MINI	41657-17	41657-21	41657-23
STANDARD	41658-17	41658-21	41658-23
MINI	41659-17	41659-21	41659-23
	drehbar / rotating / rotante / rotante		
STANDARD	41660-17	41660-21	41660-23
	drehbar / rotating / rotante / rotante		

Clips drehbar im Maul
Clips rotatable in jaw
Clips rotatable en la boca
Clips rotabile nel morso

Anlegezange bayonett, mit Sperre
Applying Forceps bayonett, with Ratchet
Pinza de aplicación bayoneta, con cremallera
Posa clips a baionetta con bloccaggio

Gefäßclips nach BIEMER
BIEMER Vessel Clips
Clips para vasos de BIEMER
Clips per vasi secondo BIEMER

	Maulöffnung Opening	Maullänge Length of jaws	Schließkraft Closing Force
	Apertura de la boca Apertura del morso 4,0 mm	Largo de la boca Lunghezza del morso 6,0 mm	Fuerza del cierre Forza di chiusura 30 - 40 g (0,29 - 0,39 N)
	5,0 mm	9,0 mm	30 - 40 g (0,29 - 0,39 N)
	5,0 mm	9,0 mm	20 - 25 g (0,20 - 0,25 N)



für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden
für Gefäße mit einem Durchmesser 0,5 - 2,0 mm

Maulinnenflächen schräg gerieft für schonendes,
sicheres Festhalten der Gefäße

Der fest eingestellte Schließdruck gewährt risikofreie
Anwendung

for temporary occlusion

(identified by yellow coloured spring ends) for vessel
diam. 0,5 - 2,0 mm

Blade gripping surface with oblique serrations for
safe but careful gripping of vessels

No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes,
para vasos con un diámetro de 0,5 - 2,0 mm

El interior de las quijadas viene con estrias finas para
un agarre seguro y cuidadoso de los vasos

Debido a la calibración exacta de la fuerza de cierre
se ofrece una aplicación sin riesgo

per chiusura temporanea

per vasi con Diametro 0,5 - 2,0 mm

La chiusura regolata garantisce nessun rischio

BIEMER
41663-01

Anlegepinzette ohne Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Applying forceps without lock.
for vessel clips
41661-40 - 41662-50
and
Aproximators
41667-30 - 41670-50
and
41672-01 - 41672-04

BIEMER
41663-02

Anlegepinzette mit Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Applying forceps with lock.
for vessel clips
41661-40 - 41662-50
and
Aproximators
41667-30 - 41670-50
and
41672-01 - 41672-04

Gefäßclips nach MEHDORN
MEHDORN Vessel Clips
Clips para vasos de MEHDORN
Clips secondo MEHDORN

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 1,5 mm

Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße

Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

(identified by yellow coloured spring ends) for vessel diam. 0,5 - 1,5 mm

Blade gripping surface with oblique serrations for save but careful gripping of vessels

No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0.5 - 1.5 mm

El interior de las quijadas viene con estrias finas para un agarre seguro y cuidadoso de los vasos

Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

per chiusura temporanea

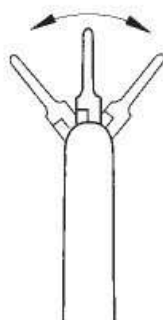
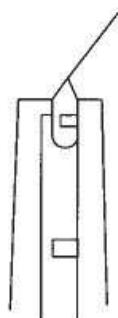
per vasi con Diametro 0,5 - 1,5 mm

La chiusura regolata garantisce nessun rischio

Beispiele für die variable Position des Clips

Ejemplo para la variedad de la aplicación del clip

Esempio: posizioni variabili delle clips



		Maullänge Length of jaws Largo de la boca Lunghezza del morso	Schließkraft Closing Force Fuerza del cierre Forza di chiusura	
	41664-10	4 x 1,0 mm	10 - 15 g (0,10 - 0,15 N)	MEHDORN 41666-00
				Anlegepinzette für Mikro- Gefäßclips 41664-10 - 41665-14
	41664-14	4 x 1,4 mm	15 - 20 g (0,15 - 0,20 N)	Applying Forceps for vessel clips 41664-10 - 41665-14
				Pinza de aplicación para micro-clips 41664-10 - 41665-14
	41665-10	6 x 1,0 mm	10 - 15 g (0,10 - 0,15 N)	Pinza posa clips per microvasi 41664-10 - 41665-14
	41665-14	6 x 1,4 mm	15 - 20 g (0,15 - 0,20 N)	

Approximatoren nach Biemer-Müller
 Approximators Biemer-Müller
 Aproximadores de Biemer-Müller
 Approssimatore secondo Biemer-Müller

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 2,0 mm
 Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße
 Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

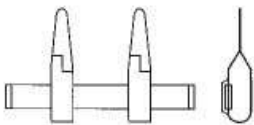
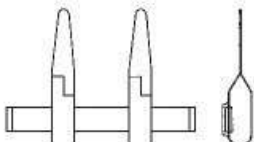
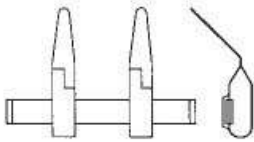
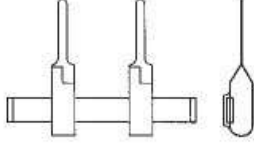
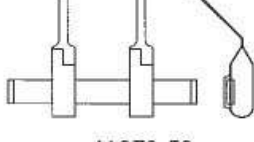
(identified by yellow coloured spring ends) for vessel diam. 0,5 - 2,0 mm
 Blade gripping surface with oblique serrations for save but careful gripping of vessels
 No risk due to rigidly fixed pressure measure

para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0,5 - 2,0 mm
 El interior de las quijadas viene con estrias finas para un agarre seguro y cuidadoso de los vasos
 Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

per chiusura temporanea

per vasi con Diametro 0,5 - 2,0 mm
 La chiusura regolata garantisce nessun rischio

	Maulöffnung Opening	Maullänge Length of jaws	Schließkraft Closing Force
	Apertura de la boca	Largo de la boca	Fuerza del cierre
	Apertura del morso	Lunghezza del morso	Forza di chiusura
	3,0 mm	4,5 mm	30 - 40 g (0,29 - 0,39 N)
	5,0 mm	9,0 mm	30 - 40 g (0,29 - 0,39 N)
	5,0 mm	9,0 mm	30 - 40 g (0,20 - 0,25 N)
	5,0 mm	9,0 mm	30 - 40 g (0,20 - 0,25 N)
	5,0 mm	9,0 mm	30 - 40 g (0,20 - 0,25 N)



BIEMER
41663-01



BIEMER
41663-02

Anlegepinzette ohne
Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Anlegepinzette mit
Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Applying forceps without
lock.
for vessel clips
41661-40 - 41662-50
and
Aproximators
41667-30 - 41670-50
and
41672-01 - 41672-04

Applying forceps with
lock.
for vessel clips
41661-40 - 41662-50
and
Aproximators
41667-30 - 41670-50
and
41672-01 - 41672-04

Approximatoren nach Müller
Müller Approximators
Aproximadores de Müller
Approssimatore secondo Müller

für temporären Gebrauch

gekennzeichnet durch gelb eingefärbte Federenden für Gefäße mit einem Durchmesser 0,5 - 2,0 mm
Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße
Der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion

(identified by yellow coloured spring ends) for vessel diam. 0,5 - 2,0 mm
Blade gripping surface with oblique serrations for save but careful gripping of vessels
No risk due to rigidly fixed pressure measure

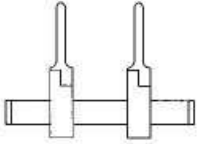
para uso temporal

clips marcados con baño dorado en los resortes, para vasos con un diámetro de 0,5 - 2,0 mm
El interior de las quijadas viene con estrias finas para un agarre seguro y cuidadoso de los vasos
Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo

per chiusura temporanea

per vasi con Diametro 0,5 - 2,0 mm
La chiusura regolata garantisce nessun rischio



		Ø Diameter	Schließkraft Closing Force Fuerza del cierre Forza di chiusura
41672-01		1,0 mm	25 - 30 g (0,25 - 0,29 N)
41672-02		2,0 mm	25 - 30 g (0,25 - 0,29 N)
41672-03		3,0 mm	25 - 30 g (0,25 - 0,29 N)
41672-04		4,0 mm	25 - 30 g (0,25 - 0,29 N)

BIEMER
41663-01

Anlegepinzette ohne
Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

Applying forceps without
lock.
for vessel clips
41661-40 - 41662-50
and
Aproximadores
41667-30 - 41670-50
and
41672-01 - 41672-04

BIEMER
41663-02

Anlegepinzette mit
Schloß,
für Mikro-Gefäßclips
41661-40 - 41662-50
und
Approximatoren
41667-30 - 41670-50
und
41672-01 - 41672-04

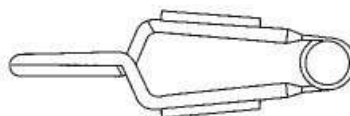
Applying forceps with
lock.
for vessel clips
41661-40 - 41662-50
and
Aproximadores
41667-30 - 41670-50
and
41672-01 - 41672-04

Gefäßclips nach Müller
Müller Vessel Clips
Clips para vasos de Müller
Clip secondo Müller

für temporären Gebrauch

Maulinnenflächen pyramidenförmig für schonendes, sicheres Festhalten der Gefäße

Der fest eingestellte Schließdruck gewährt risikofreie Anwendung



41674-50

Schließkraft
Closing Force
Fuerza del cierre
Forza di chiusura

50 g

for temporary occlusion

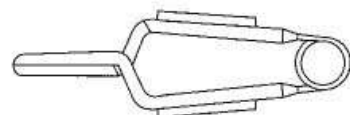
Blade gripping surface with pyramid-like impressions for safe but careful gripping of vessels

No risk due to rigidly fixed pressure measure



41674-80

80 g



41675-50

50 g

para uso temporal

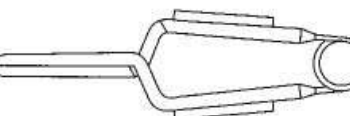
El interior de las quijadas viene en forma de pirámide para un agarre seguro y cuidadoso de los vasos.

Debido a la calibración exacta de la fuerza de cierre se ofrece una aplicación sin riesgo.



41675-80

80 g



41676-50

50 g

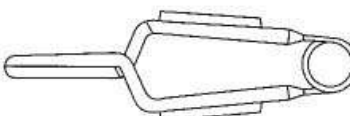
per uso temporaneo

Morso interno con forma piramidale per garantire una chiusura sicura del vaso



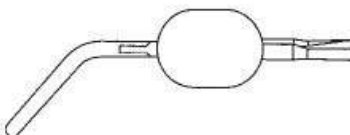
41676-80

80 g



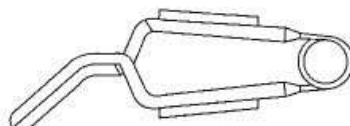
41677-50

50 g



41677-80

80 g



41678-50

50 g



41678-80

80 g