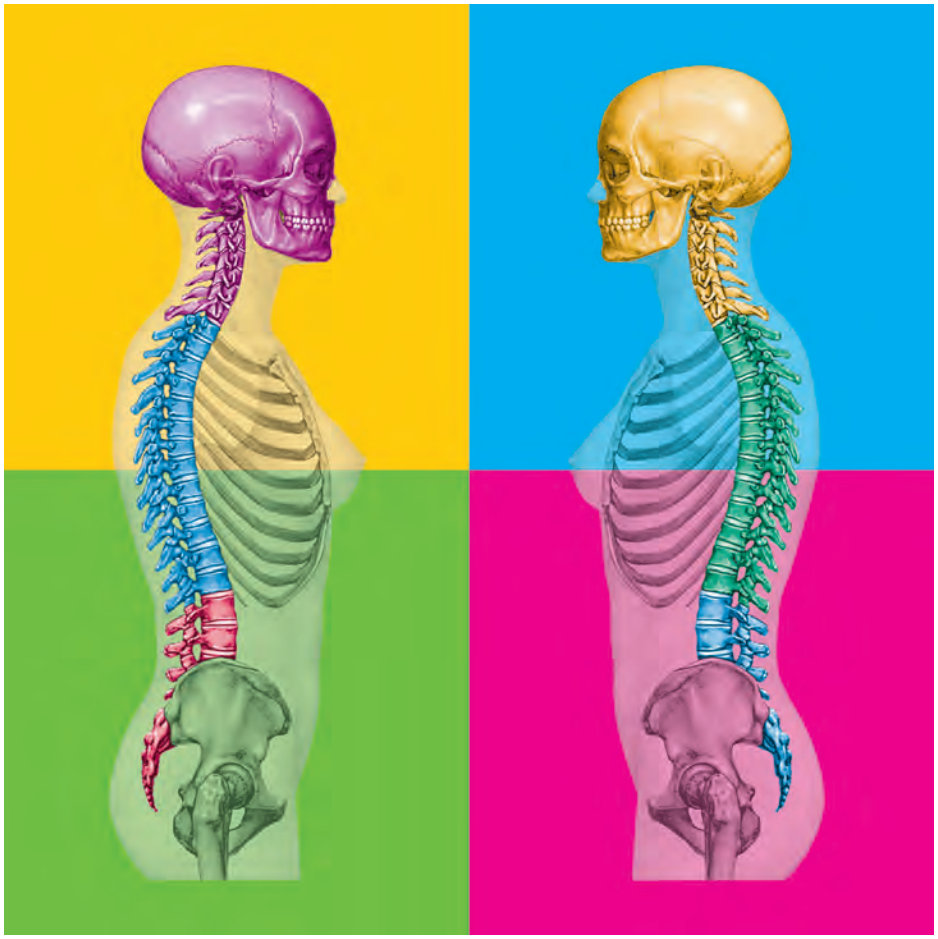

MIKRO CHIRURGIE
MICRO SURGERY
CIRUGIA MICRO
CHIRURGIE MICRO

ELCON
MEDICAL INSTRUMENTS GmbH

ELCON

MIC 1 - MIC 82

MIKRO - CHIRURGIE
MICRO SURGERY
CHIRURGIA MICRO
CHIRURGIE MICRO

Grau dargestellte Artikelnummern bezeichen „distributed by ELCON“ Produkte
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Los numeros de articulos mostrados en gris indican productos „distribuidos por ELCON“
Les numéros d´articles affichés en gris indiquent les produits « distribués par ELCON »

malleable

HEIFETZ 200mm

342-220	14 x 100mm
342-221	17 x 100mm
342-222	20 x 100mm

malleable

HEIFETZ 155mm

342-210	8 x 100mm
342-211	11 x 100mm
342-212	14 x 100mm
342-213	17 x 100mm

malleable

SCOVILLE 200mm

342-230	9 + 12mm
342-231	16 + 19mm

malleable

AACHEN 200mm

342-261	7 + 8mm
342-262	10 + 11mm
342-263	13 + 14mm
342-264	16 + 17mm
342-265	19 + 20mm
342-266	22 + 25mm

malleable

CUSHING

342-240	13 + 19mm
170mm	
342-242	16 + 25mm
200mm	

malleable

OLIVERCRONA 180mm
straight

342-200	7 + 9mm
342-202	11 + 13mm
342-204	15 + 18mm
342-206	18 + 22mm

bayonett

342-201	7 + 9mm
342-203	11 + 13mm
342-205	15 + 18mm
342-207	18 + 22mm

malleable

DAVIS
nickel-silver

342-250	6 x 180mm
342-251	9 x 180mm
342-252	12 x 180mm
342-253	16 x 180mm
342-254	19 x 180mm
342-255	25 x 180mm
342-256	32 x 180mm
342-257	38 x 180mm

BUNNEL
412-500
Hand Drill with 3-jaw chuck and key, to fit any size of shanks up to Ø 4,0mm, cannulated for taking wires and nails.
Length: 160mm / 6 1/4“

412-501
Key for small 3-jaw chuck

412-510
275mm, 10 1/4”

Spindel längsdurchbohrt, Spannweite bis 6,00mm
Cannulated spindle for shanks up to 6,00mm
huso barrenado oblongo, aperture hasta Ø 6,00mm
passage de fuseau et mâchoire jusqu’a 6,00mm

HUDSON STANDARD
340-505

HUDSON Burr
340-530 Ø 9mm

HUDSON Burr
340-532 Ø 14mm

HUDSON Burr
340-534 Ø 16mm

HUDSON Burr
340-536 Ø 22mm

Mc KNEZIE Perforator Drill
340-540 Ø 13mm

Mc KNEZIE Burr
340-545 Ø 16mm

D'ERRICO Perforator and Enlarging Drill
340-580 Ø 16mm

HUDSON
340-538

Extension piece 100mm

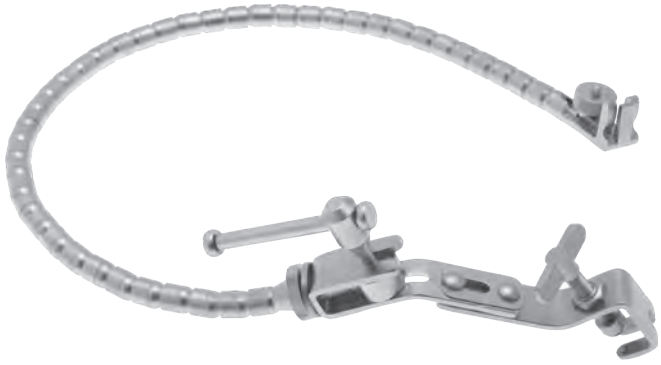
ADSON Twist Drill
340-560 Ø 2mm

ADSON Perforating Burr
340-550 Ø 15mm

CUSHING Perforator Drill
340-510 Ø 10mm
340-512 Ø 12mm
340-514 Ø 16mm

CUSHING Burr
340-520 Ø 10mm
340-522 Ø 15mm
340-524 Ø 20mm

LEYLA RETRAKTOR SYSTEM
LEYLA RETRACTOR SYSTEM
LEYLA JUEGO SEPARADOR
LEYLA SYSTEME ECARTEUR



342-010-00

LEYLA Self-Retaining Retractor Set No. 1

consisting of:

342-001 1 fixation base for 1 arm
342-006 1 flexible arm
342-007 1 support for flat brain spatula

342-020-00

LEYLA Self-Retaining Retractor Set No. 2

consisting of:

342-002 1 fixation base for 2 arms
342-006 2 flexible arms
342-007 2 supports for flat brain spatulas

342-006
Flexible arm for attaching
coupling heads 342-036 / 342-038
and fixation bases 342-001 / 342-002 / 342-003

342-001
Fixation Clamp for 1 flexible arm 342-006, for bone mounting

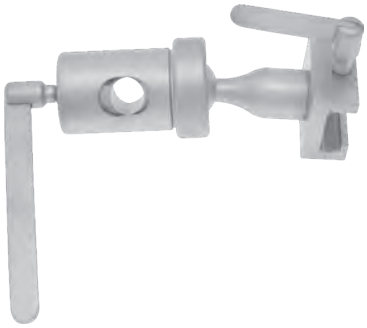
342-002
Fixation Clamp for 2 flexible arms 342-006 for skull mounting

342-003
Fixation Clamp for 1 flexible arm 342-006 for mounting bars up to 16mm

342-007
Support for flat brain spatulas,
fixation to flexible arm 342-006

342-008
Support for brain spatulas with round shaft up to Ø 5,5mm, fixation to
flexible arm 342-006

342-032
Ball and socket joint for standard rails 10x25mm and 9x32mm

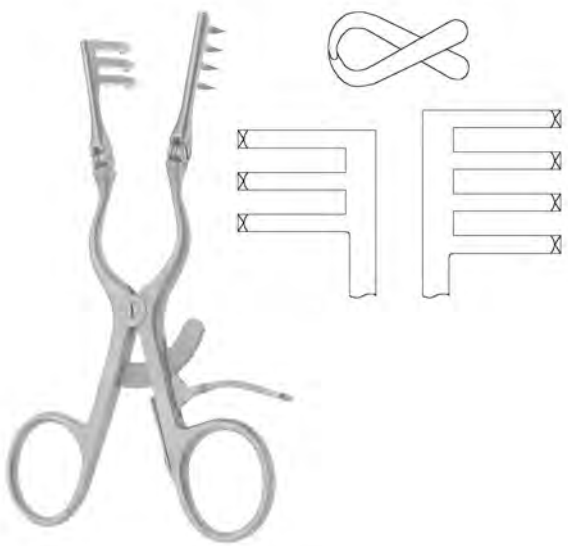


342-034
Holding rod, detachtable, for fixation in ball and socket joint 342-032
and to hold the coupling head 342-036, 342-037 or 342-038

342-036
Coupling head to hold up to 5 arms (342-006)

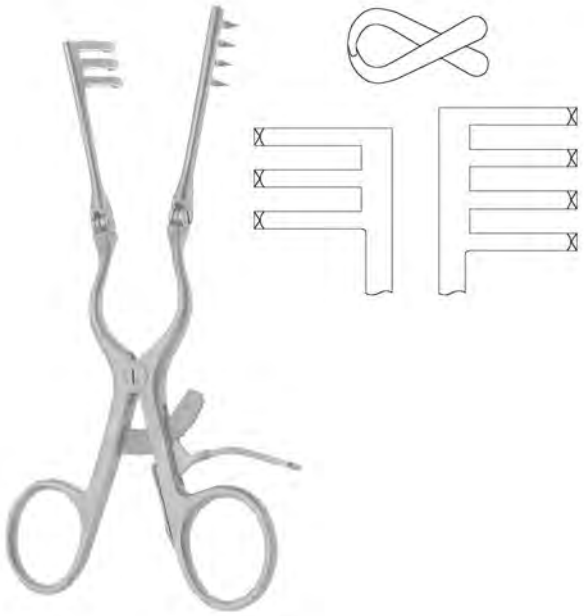
342-037
Coupling head to hold up to 1 arm (342-006), lateral open

342-038
Coupling head to hold up to 1 arm (342-006)



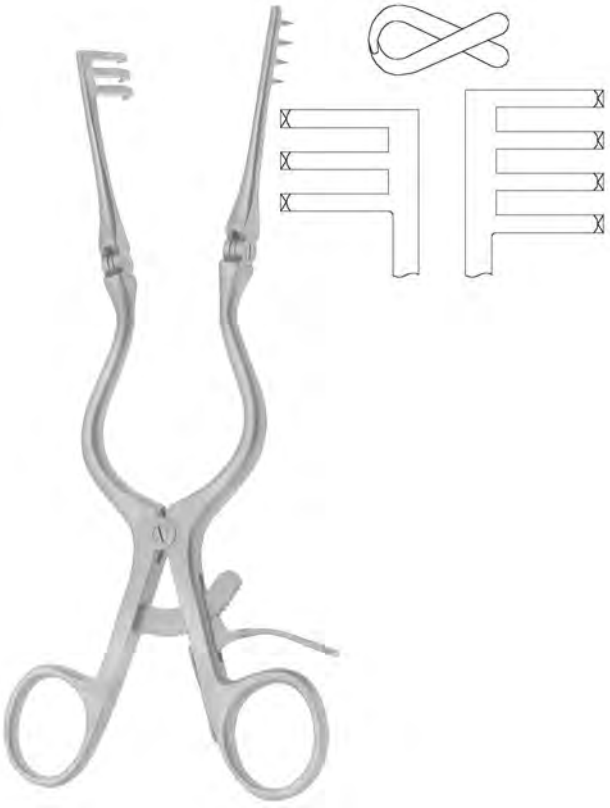
CONE (ADSON-BABY)

170-600 135mm, 5 1/4“ **170-601**
spitz,sharp stumpf,blunt
agudo,pointu romo,mousse



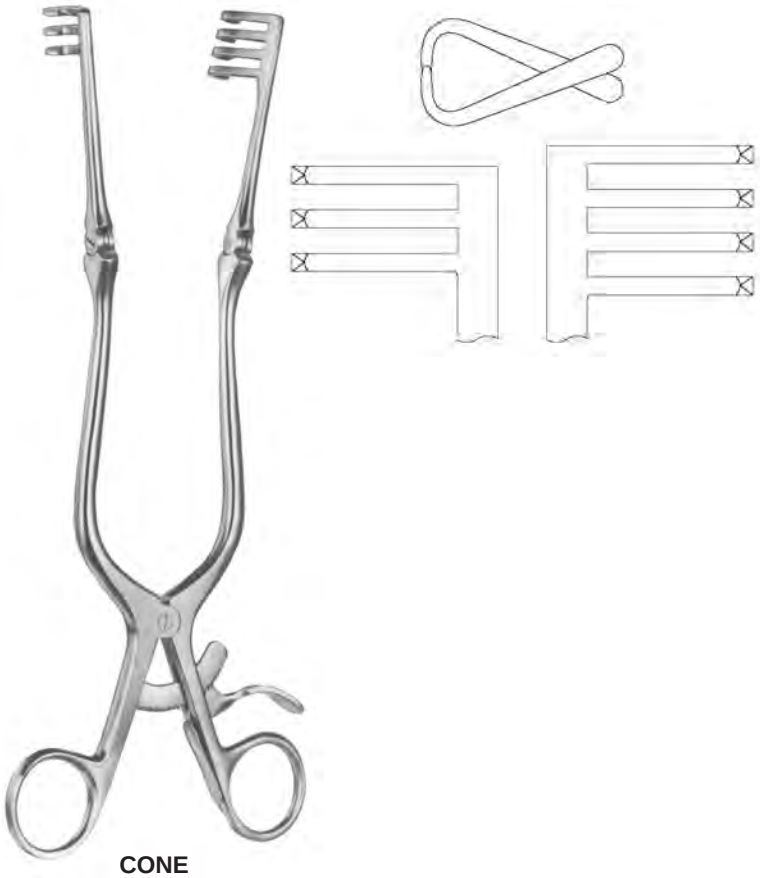
BECKMANN

170-602 160mm, 6 1/4“ **170-603**
spitz,sharp stumpf,blunt
agudo,pointu romo,mousse



CONE

170-610 200mm, 8“ **170-611**
spitz,sharp stumpf,blunt
agudo,pointu romo,mousse

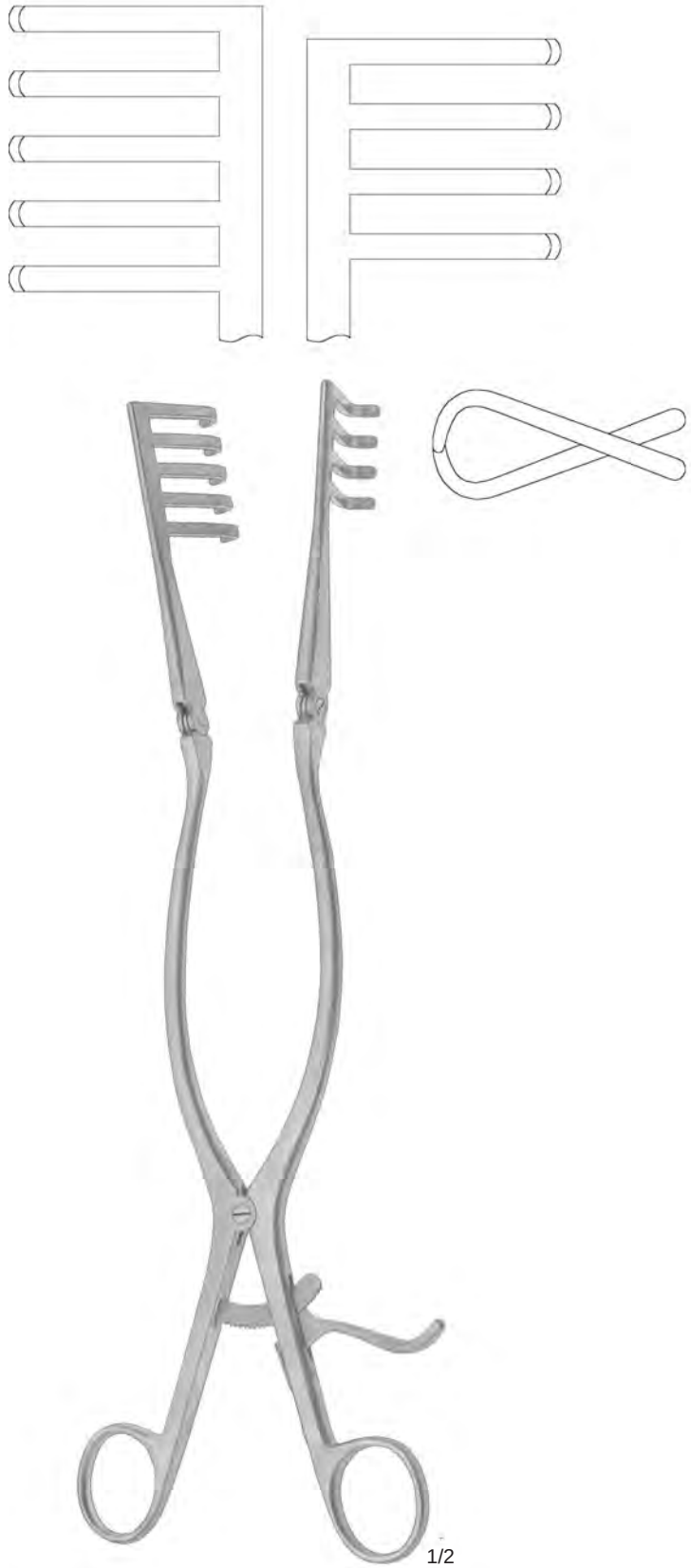


CONE

170-612 255mm, 10“ **170-613**
spitz, sharp stumpf, blunt
agudo, pointu romo, mousse

BECKMANN

170-640	310mm, 11“	**170-641**
spitz,sharp		stumpf,blunt
agudo,pointu		romo,mousse



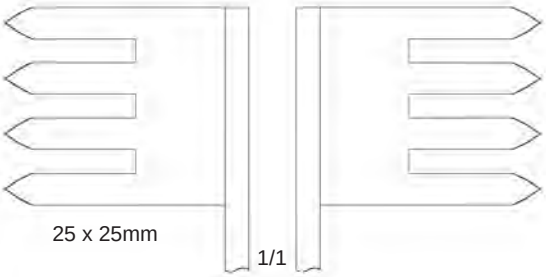
ADSON

170-670	325mm, 12 7/8“	**170-671**
spitz,sharp		stumpf,blunt
agudo,pointu		romo,mousse

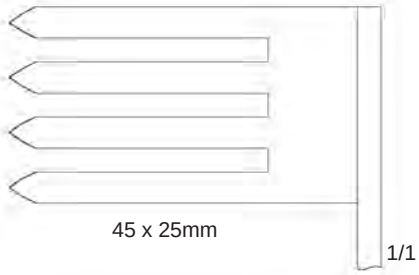
SELBSTHALTENDE WUNDSPERRER
SELFRETAINING RETRACTORS
SEPARADORES AUTOESTATICOS
ECARTEURS AUTOSTATIQUES

1/2

BECKMANN-ADSON
170-660 - 170-665



170-660 spitz,sharp / agudo,pointu — 320mm, 12 5/8“ — **170-663** stumpf,blunt / romo,mousse



170-662 spitz,sharp / agudo,pointu — 320mm, 12 5/8“ — **170-665** stumpf,blunt / romo,mousse

BECKMANN-EATON

170-644 spitz,sharp / agudo,pointu — 325mm, 12 7/8“ — **170-645** stumpf,blunt / romo,mousse

1/2

MARKHAM-MEYERDING

343-540 180 mm, 7“
Blatt links
blade left side
valva a la izquierta
valve à gauche

343-541
Blatt rechts
blade right side
valva a la derecha
valve à droîte

MEYERDING

343-530 blades 45 mm deep x 25 mm wide
343-532 blades 55 mm deep x 25 mm wide
343-533 blades 60 mm deep x 25 mm wide
170 mm, 6 3/4“

ELCON
MICRO

WUNDSPREIZER FÜR DIE CERVICALE WIRBELSÄULE
RETRACTORS FOR CERVICAL VERTEBRAL COLUMN
SEPARADORES PARA LA COLUMNA CERVICAL
ECARTEURS POUR COLONNE VERTEBRALE

343-553-40
40 x 14mm

343-553-45
45 x 14mm

343-553-55
55 x 14mm

343-553-50
50 x 14mm

343-553-60
60 x 14mm

343-563-40
40 x 14mm

343-563-45
45 x 14mm

343-563-55
55 x 14mm

343-563-50
50 x 14mm

343-563-60
60 x 14mm

1/2

CLOWARD
343-550-00 160mm, 6 1/4“

Spreizer komplett mit 5 stumpfen Valven
Spreader complete with 5 blunt blades
Separador completo con 5 valvas romas
Ecarteur complet avec 5 valves mousses

CLOWARD
343-551 160mm, 6 1/4“

Spreizer ohne Valven
Spreader without blades
Separador sin valvas
Ecarteur sans valves

1/2

CLOWARD
343-560-00 250mm, 10“

Spreizer komplett mit 5 spitzen Valven
Spreader complete with 5 sharp blades
Separador completo con 5 valvas agudas
Ecarteur complet avec 5 valves pointues

CLOWARD
343-561 250mm, 10“

Spreizer ohne Valven
Spreader without blades
Separador sin valvas
Ecarteur sans valves

SCOVILLE-HAVERFIELD
343-300

SCOVILLE-HAVERFIELD
343-301

SCOVILLE
343-430 51mm
343-431 75mm

SCOVILLE
343-436 51mm
343-437 75mm

343-440 41 x 38mm
343-441 66 x 48mm

TAYLOR
343-444 44 x 38mm

SCOVILLE
343-450 63 x 26mm
343-451 63 x 51mm
343-452 66 x 32mm
343-453 89 x 26mm

HIBBS
343-471 51 x 26mm
343-472 51 x 51mm
343-473 63 x 26mm
343-474 63 x 38mm
343-475 76 x 26mm
343-476 76 x 38mm
343-477 76 x 51mm
343-478 101 x 26mm
343-479 101 x 51mm

MEYERDING
343-481 61 x 26mm
343-482 67 x 26mm
343-485 89 x 51mm

TAYLOR
343-445 48 x 51mm
343-446 63 x 63mm
343-447 82 x 58mm

TAYLOR
343-490 76 x 32mm
343-491 101 x 32mm

ELCON
MICRO

WUNDSPREIZER FÜR DIE CERVICALE WIRBELSÄULE
RETRACTORS FOR CERVICAL VERTEBRAL COLUMN
SEPARADORES PARA LA COLUMNA CERVICAL
ECARTEURS POUR COLONNE VERTEBRALE

343-462-40 40 x 23mm
343-462-45 45 x 23mm
343-462-50 50 x 23mm
343-462-55 55 x 23mm
343-462-60 60 x 23mm

Mediale Valven mit Kugelschnellverschluß

Medial valves with ball snap closure

Valvas medianas con cierre rápido

Valves médianes avec enclenchement à bile

343-460-40 40 x 23mm
343-460-45 45 x 23mm
343-460-50 50 x 23mm
343-460-55 55 x 23mm
343-460-60 60 x 23mm

Laterale Valven mit Kugelschnellverschluß

Lateral valves with ball snap closure for selfretaining retractors

Valvas laterales con cierre rápido esférico, para separadores

Valves latérales avec enclenchement à bille, pour écarteurs

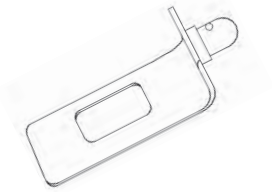
343-466-40 40 x 23mm
343-466-45 45 x 23mm
343-466-50 50 x 23mm
343-466-55 55 x 23mm
343-466-60 60 x 23mm

Stumpfe Valven mit Kugelschnellverschluß

Blunt valves with ball snap closure

Valvas romas con cierre rápido esférico

Valves mousses avec enclenchement à bille



343-468-50 50 x 25mm
343-468-60 60 x 25mm

Stumpfe Valven mit Kugelschnellverschluß zur Spanentnahme am Beckenkamm

Blunt valves with ball snap closure for harvesting of the fusion graft for the iliac crest

Valvas romas con cierre rápido esférico

Valves mousses avec enclenchement à bille

343-465-25T 25 x 24mm
343-465-30T 30 x 24mm
343-465-35T 35 x 24mm
343-465-40T 40 x 24mm
343-465-45T 45 x 24mm
343-465-50T 50 x 24mm
343-465-55T 55 x 24mm
343-465-60T 60 x 24mm
343-465-65T 65 x 24mm
343-465-70T 70 x 24mm

Laterale Valven aus Titan, mit Kugelschnellverschluß, für Wundspreizer

Lateral valves of Titanium, with ball snap closure

Valvas laterales de Titanio, con cierre rápido esférico

Valves latérales Titane avec enclenchement à bille, pour écarteurs

343-464-25T 25 x 24mm
343-464-30T 30 x 24mm
343-464-35T 35 x 24mm
343-464-40T 40 x 24mm
343-464-45T 45 x 24mm
343-464-50T 50 x 24mm
343-464-55T 55 x 24mm
343-464-60T 60 x 24mm
343-464-65T 65 x 24mm
343-464-70T 70 x 24mm

Mediale Valven aus Titan, mit Kugelschnellverschluß, für Wundspreizer

Medial valves of Titanium, with ball snap closure

Valvas medianas de Titanio, con cierre rápido esférico

Valves médianes Titane avec enclenchement à bille

343-469-30T 30 x 24mm
343-469-35T 35 x 24mm
343-469-40T 40 x 24mm
343-469-45T 45 x 24mm
343-469-50T 50 x 24mm
343-469-55T 55 x 24mm
343-469-60T 60 x 24mm
343-469-65T 65 x 24mm
343-469-70T 70 x 24mm
343-469-75T 75 x 24mm

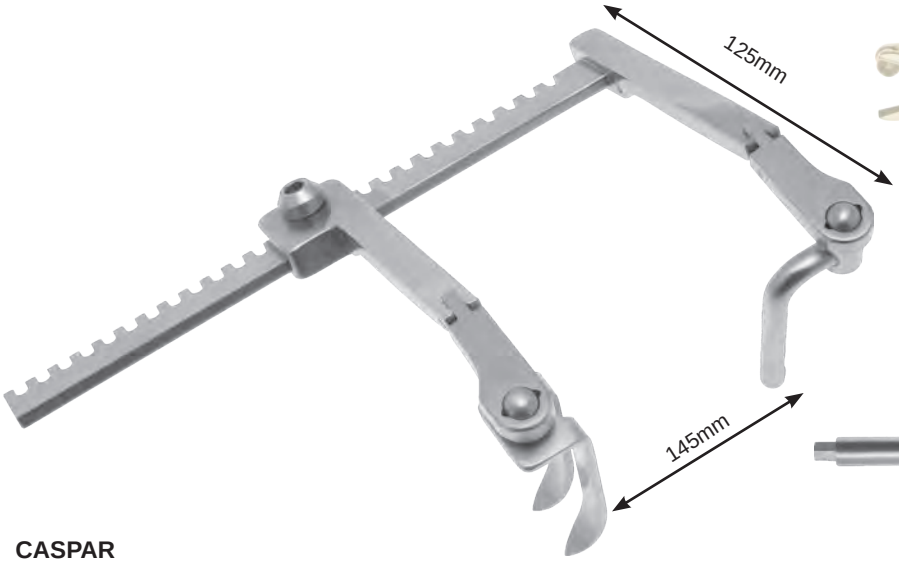
343-334
130mm

Pinzette zum wechseln der Valven mit Kugelschnellverschluß

Blade ejector for changing the blades with ball snap closure

Pinza para cambiar las valvas con sistema bola de aseguramiento rápido

Pince pour changer les valves munies du système de verrouillage rapide à billes



343-334
130mm

343-332

CASPAR
343-330-00

Wundspreizer mit Gelenkarmen und Kugelschnellverschluß, für Laminektomie und Hemi-Laminektomie, komplett, bestehend aus:

343-331 1 Rahmen inklusive **343-332** 1 Drehschlüssel
343-410-38 1 Haken 38mm
343-412-37 1 Seitenvalve 37 x 22mm
343-412-42 1 Seitenvalve 42 x 22mm
343-412-47 1 Seitenvalve 47 x 22mm
343-412-52 1 Seitenvalve 52 x 22mm
343-412-57 1 Seitenvalve 57 x 22mm

Separador con brazos de articulación y aseguramiento rápido de sistema bola, para laminectomia y hemilactomia, completo compuesto de:

343-331 1 Cuadro con **343-332** 1 Lave
343-410-38 1 Separador 38mm
343-412-37 1 Valva lateral 37 x 22mm
343-412-42 1 Valva lateral 43 x 22mm
343-412-47 1 Valva lateral 47 x 22mm
343-412-52 1 Valva lateral 52 x 22mm
343-412-57 1 Valva lateral 57 x 22mm

Self-retaining retractor with articulated arms and ball snap closure, for laminectomy and hemi-laminectomy, complete, consisting of:

343-331 1 Frame including **343-332** 1 Key
343-410-38 1 Hook 38mm
343-412-37 1 Lateral blade 37 x 22mm
343-412-42 1 Lateral blade 43 x 22mm
343-412-47 1 Lateral blade 47 x 22mm
343-412-52 1 Lateral blade 52 x 22mm
343-412-57 1 Lateral blade 57 x 22mm

Ecarteur avec bras articulés, enclenchement á billes, pour laminectomie et hémilaminectomie, complet composé de:

343-331 1 Cadre avec **343-332** 1 Clef
343-410-38 1 Crochet 38mm
343-412-37 1 Valve laterale 37 x 22mm
343-412-42 1 Valve laterale 43 x 22mm
343-412-47 1 Valve laterale 47 x 22mm
343-412-52 1 Valve laterale 52 x 22mm
343-412-57 1 Valve laterale 57 x 22mm

343-410-38
38mm

343-410-58
58mm

343-412-32 32 x 22mm
343-412-37 37 x 22mm
343-412-42 42 x 22mm
343-412-47 47 x 22mm
343-412-52 52 x 22mm
343-412-57 57 x 22mm
343-412-62 62 x 22mm
343-412-67 67 x 22mm

343-413-32 32 x 37mm
343-413-37 37 x 37mm
343-413-42 42 x 37mm
343-413-47 47 x 37mm
343-413-52 52 x 37mm
343-413-57 57 x 37mm
343-413-62 62 x 37mm
343-413-67 67 x 37mm

343-414-32 32 x 52mm
343-414-37 37 x 52mm
343-414-42 42 x 52mm
343-414-47 47 x 52mm
343-414-52 52 x 52mm
343-414-57 57 x 52mm
343-414-62 62 x 52mm
343-414-67 67 x 52mm

WUNDSPREIZER FÜR DIE CERVICALE WIRBELSÄULE
RETRACTORS FOR CERVICAL VERTEBRAL COLUMN
SEPARADORES PARA LA COLUMNA CERVICAL
ECARTEURS POUR COLONNE VERTEBRALE

1/2

CASPAR
343-340-00
165mm, 6 1/2“

343-340-00
165mm, 6 1/2“

Wundspreizer mit Gelenkarmen und Kugelschnellverschluß, komplett, bestehend aus:
343-341 1 Sperrer
343-466-45 1 stumpfen Valve 45 x 23mm
343-466-50 1 stumpfen Valve 50 x 23mm
343-466-55 1 stumpfen Valve 55 x 23mm
343-466-60 1 stumpfen Valve 60 x 23mm
343-466-65 1 stumpfen Valve 65 x 23mm

Self-retaining retractor with articulated arms and ball snap closure, complete, consisting of:
343-341 1 Spreader
343-466-45 1 Blunt valve 45 x 23mm
343-466-50 1 Blunt valve 50 x 23mm
343-466-55 1 Blunt valve 55 x 23mm
343-466-60 1 Blunt valve 60 x 23mm
343-466-65 1 Blunt valve 65 x 23mm

Separador con brazos articulados y cierre rápido esférico, completo, compuesto de:
343-341 1 Separador
343-466-45 1 Valva roma 45 x 23mm
343-466-50 1 Valva roma 50 x 23mm
343-466-55 1 Valva roma 55 x 23mm
343-466-60 1 Valva roma 60 x 23mm
343-466-65 1 Valva roma 65 x 23mm

Ecarteur avec bras articulés, enclenchement à billes, complet composé de:
343-341 1 Ecarteur
343-466-45 1 Valve, mousse 45 x 23mm
343-466-50 1 Valve, mousse 50 x 23mm
343-466-55 1 Valve, mousse 55 x 23mm
343-466-60 1 Valve, mousse 60 x 23mm
343-466-65 1 Valve, mousse 65 x 23mm

1/2

343-466-45
45 x 23mm

1/2

343-466-50
50 x 23mm

1/2

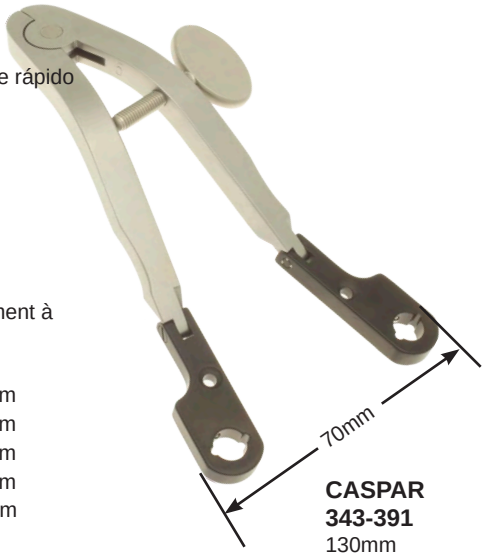
343-466-55
55 x 23mm

1/2

343-466-60
60 x 23mm

1/2

343-466-65
65 x 23mm



CASPAR
343-391
130mm

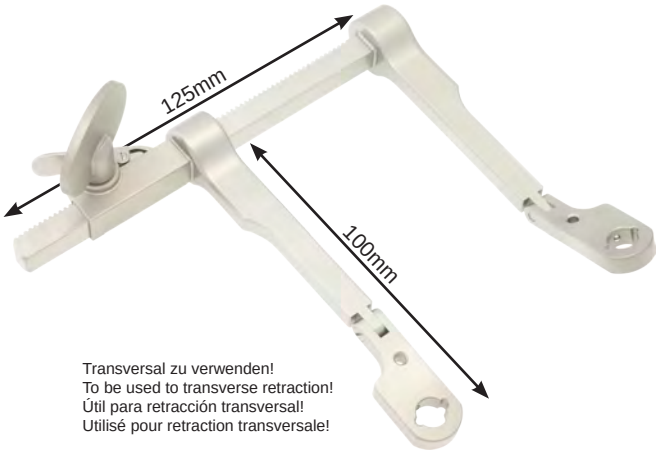
343-390-00
105mm, 4 1/8“

Wundspreizer mit Gelenkarmen und Kugelschnellverschluß, komplett, bestehend aus:
343-391 1 Sperrer
343-466-45 1 stumpfen Valve 45 x 23mm
343-466-50 1 stumpfen Valve 50 x 23mm
343-466-55 1 stumpfen Valve 55 x 23mm
343-466-60 1 stumpfen Valve 60 x 23mm
343-466-65 1 stumpfen Valve 65 x 23mm

Self-retaining retractor with articulated arms and ball snap closure, complete, consisting of:
343-391 1 Spreader
343-466-45 1 Blunt valve 45 x 23mm
343-466-50 1 Blunt valve 50 x 23mm
343-466-55 1 Blunt valve 55 x 23mm
343-466-60 1 Blunt valve 60 x 23mm
343-466-65 1 Blunt valve 65 x 23mm

Separador con brazos articulados y cierre rápido esférico, completo, compuesto de:
343-391 1 Separador
343-466-45 1 Valva roma 45 x 23mm
343-466-50 1 Valva roma 50 x 23mm
343-466-55 1 Valva roma 55 x 23mm
343-466-60 1 Valva roma 60 x 23mm
343-466-65 1 Valva roma 65 x 23mm

Ecarteur avec bras articulés, enclenchement à billes, complet composé de:
343-391 1 Ecarteur
343-466-45 1 Valve, mousse 45 x 23mm
343-466-50 1 Valve, mousse 50 x 23mm
343-466-55 1 Valve, mousse 55 x 23mm
343-466-60 1 Valve, mousse 60 x 23mm
343-466-65 1 Valve, mousse 65 x 23mm



Transversal zu verwenden!
To be used to transverse retraction!
Útil para retracción transversal!
Utilisé pour retraction transversale!

343-460-40
40 x 23mm

343-460-45
45 x 23mm

343-460-50
50 x 23mm

343-460-55
55 x 23mm

343-460-60
60 x 23mm

343-462-40
40 x 23mm

343-462-45
45 x 23mm

343-462-50
50 x 23mm

343-462-55
55 x 23mm

343-462-60
60 x 23mm

CASPAR
343-322-00

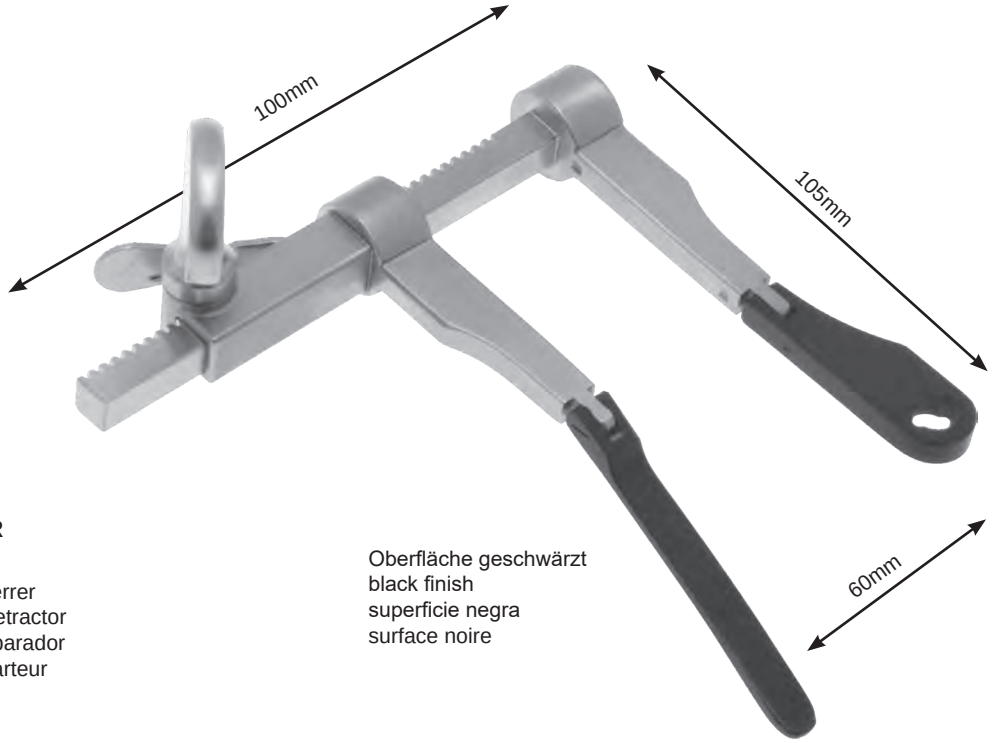
Wundspreizer mit Gelenkarmen und Kugelschnellverschluß, komplett, bestehend aus:
343-323 1 Rahmen
343-462-40 1 medialen Valve 40 x 23mm
343-462-45 1 medialen Valve 45 x 23mm
343-462-50 1 medialen Valve 50 x 23mm
343-462-55 1 medialen Valve 55 x 23mm
343-462-60 1 medialen Valve 60 x 23mm
343-460-40 1 lateralen Valve 40 x 23mm
343-460-45 1 lateralen Valve 45 x 23mm
343-460-50 1 lateralen Valve 50 x 23mm
343-460-55 1 lateralen Valve 55 x 23mm
343-460-60 1 lateralen Valve 60 x 23mm

Self-retaining retractor with articulated arms and ball snap closure, complete, consisting of:
343-323 1 Frame
343-462-40 1 Medial valve 40 x 23mm
343-462-45 1 Medial valve 45 x 23mm
343-462-50 1 Medial valve 50 x 23mm
343-462-55 1 Medial valve 55 x 23mm
343-462-60 1 Medial valve 60 x 23mm
343-460-40 1 Lateral valve 40 x 23mm
343-460-45 1 Lateral valve 45 x 23mm
343-460-50 1 Lateral valve 50 x 23mm
343-460-55 1 Lateral valve 55 x 23mm
343-460-60 1 Lateral valve 60 x 23mm

Separador con brazos articulados y cierre rápido esférico, completo, compuesto de:
343-323 1 Cuadro
343-462-40 1 Valva mediana 40 x 23mm
343-462-45 1 Valva mediana 45 x 23mm
343-462-50 1 Valva mediana 50 x 23mm
343-462-55 1 Valva mediana 55 x 23mm
343-462-60 1 Valva mediana 60 x 23mm
343-460-40 1 Valva lateral 40 x 23mm
343-460-45 1 Valva lateral 45 x 23mm
343-460-50 1 Valva lateral 50 x 23mm
343-460-55 1 Valva lateral 55 x 23mm
343-460-60 1 Valva lateral 60 x 23mm

Ecarteur avec bras articulés, enclenchement á billes, complet composé de:
343-323 1 Cadre
343-462-40 1 Valve médiane 40 x 23mm
343-462-45 1 Valve médiane 45 x 23mm
343-462-50 1 Valve médiane 50 x 23mm
343-462-55 1 Valve médiane 55 x 23mm
343-462-60 1 Valve médiane 60 x 23mm
343-460-40 1 Valve latérale 40 x 23mm
343-460-45 1 Valve latérale 45 x 23mm
343-460-50 1 Valve latérale 50 x 23mm
343-460-55 1 Valve latérale 55 x 23mm
343-460-60 1 Valve latérale 60 x 23mm

WUNDSPREIZER FÜR LUMBALE MIKRODISSEKTOMIE
RETRACTORS FOR MICRO LUMBAR DISSECTOMY
SEPARADORES PARA MICRODISECTOMIA LUMBAR
ECARTEURS POUR MICRO DISSECTOMIE LOMBAIRE



CASPAR
343-371

Gegensperrer
Counter-retractor
contra separador
contre écarteur

Oberfläche geschwärzt
black finish
superficie negra
surface noire

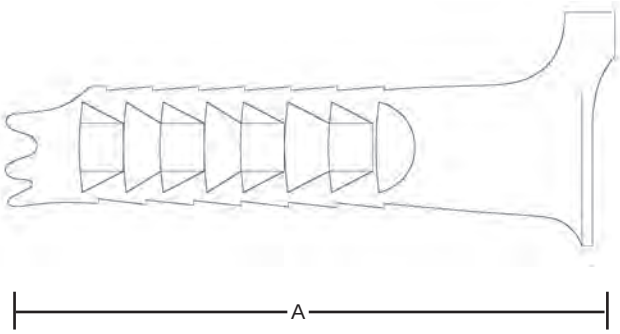
	Blattlänge Length of the blade Longitud des valvas Longueur des valves	
343-402-40	40mm	Mediale Valven, Oberfläche geschwärzt Medial blades,black finish Valvas medianas, superficie negra Valves médianes, surface noire
343-402-45	45mm	
343-402-50	50mm	
343-402-55	55mm	
343-402-60	60mm	
343-402-65	65mm	
343-402-70	70mm	

	Blattlänge Length of the blade Longitud des valvas Longueur des valves	
343-400-35	35mm	Laterale Valven mit Kugelverschluss, Oberfläche geschwärzt Lateral blades with snap lock, black finish Valvas laterles con cierre rápido esférico, superficie negra Valves latérales avec enclenchement à bille, surface noire
343-400-40	40mm	
343-400-45	45mm	
343-400-50	50mm	
343-400-55	55mm	
343-400-60	60mm	
343-400-65	65mm	
343-400-75	75mm	
343-400-85	85mm	

Oberfläche geschwärzt
Surface black-finish
Superficie negra
Surface noire

CASPAR
343-680-40 - 343-680-85
150mm, 6“

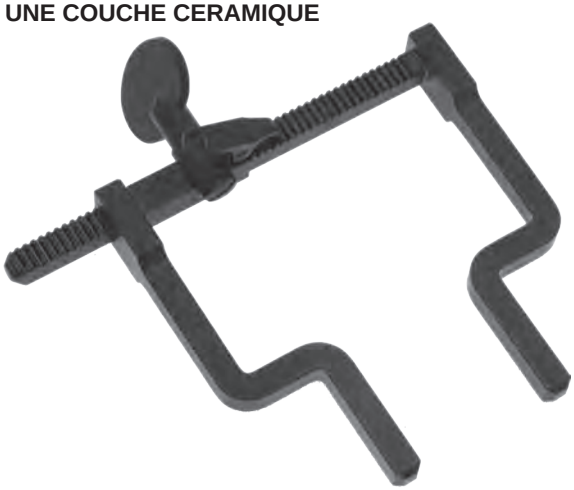
343-680-40	A = 40mm
343-680-45	A = 45mm
343-680-50	A = 50mm
343-680-55	A = 55mm
343-680-60	A = 60mm
343-680-65	A = 65mm
343-680-75	A = 75mm
343-680-85	A = 85mm



WUNDSPREIZER FÜR LUMBALE MIKRODISSEKTOMIE
RETRACTORS FOR MICRO LUMBAR DISSECTOMY
SEPARADORES PARA MICRODISECTOMIA LUMBAR
ECARTEURS POUR MICTO DISSECTOMIE LOMBAIRE

ALLE HIER ABGEBILDETEN MC CULLOCH INSTRUMENTE SIND KERAMIK BESCHICHTET
ALL MC CULLOCH INSTRUMENTS HERE ARE CERAMIC COATED
TODOS ESTOS INSTRUMENTOS DE MC CULLOCH SON CON REVESTIMIENTO CERAMICO
TOUS LES INSTRUMENTS MC CULLOCH REPRESENTES ICI ONT UNE COUCHE CERAMIQUE

MC CULLOCH
343-611
Rahmen alleine mit Gelenkarmen, maximale Spreizweite 85mm
Frame only with hinged arms, maximale opening 85mm
Cuadro solo con brazos movibles, extension maxima 85mm
Cadre seul, avec bras articulés, écartement maximal 85mm



MC CULLOCH
343-612
Rahmen alleine mit starren Armen, maximale Spreizweite 85mm
Frame only with rigid arms, maximale opening 85mm
Cuadro solo con brazos rigidos, extension maxima 85mm
Cadre seul, avec bras rigides, écartement maximal 85mm

MC CULLOCH
schmale Valve
narrow muscle blade
valvula estrecha
valve étroite

343-613-30	30x20mm
343-613-40	40x20mm
343-613-50	50x20mm
343-613-60	60x20mm
343-613-70	70x20mm
343-613-80	80x20mm

MC CULLOCH
breite Valve
wide muscle blade
valvula ancha
valve large

343-614-30	30x27mm
343-614-40	40x27mm
343-614-50	50x27mm
343-614-60	60x27mm
343-614-70	70x27mm
343-614-80	80x27mm

MC CULLOCH
extra schmale Valve
extra narrow muscle blade
valvula extra estrecha
valve extra-étroite

343-617-30	30x17mm
343-617-40	40x17mm
343-617-50	50x17mm
343-617-60	60x17mm
343-617-70	70x17mm
343-617-80	80x17mm

MC CULLOCH
Haken
hook
gancho
crochet

343-615-20	20mm
343-615-30	30mm
343-615-40	40mm
343-615-50	50mm
343-615-60	60mm
343-615-70	70mm

MC CULLOCH
Mehrzahn-Haken
multiple toothed hook
gancho con varios dientes
crochet à plusieurs dents

343-616-20	20mm
343-616-30	30mm
343-616-40	40mm
343-616-50	50mm
343-616-60	60mm
343-616-70	70mm

MC CULLOCH
verjüngte Valve
tapered muscle blade
valvula conica
valve diminuée

343-618-40	40x27mm

CASPAR

343-381L	links, Zahnstange 110mm left, toothed bar 110mm
343-383L	links, Zahnstange 130mm left, toothed bar 130mm

CASPAR

343-381R	rechts, Zahnstange 110mm right, toothed bar 110mm
343-383R	rechts, Zahnstange 130mm right, toothed bar 130mm

CASPAR

343-385L	links / left
343-385R	rechts / right

CASPAR
343-380L-00
Set bestehend aus:
Set consisting of:

343-381L	links, Zahnstange 110mm left, toothed bar 110mm
343-385L	links / left
343-386	Schraubendreher screw driver
343-388	Ø 1,7mm, Bohrtiefe 8mm Ø 1,7mm, depth 8mm
343-388-16	Ø 16mm

CASPAR
343-380R-00
Set bestehend aus:
Set consisting of:

343-381R	rechts, Zahnstange 110mm right, toothed bar 110mm
343-385R	rechts / right
343-386	Schraubendreher screw driver
343-388	Ø 1,7mm, Bohrtiefe 8mm Ø 1,7mm, depth 8mm
343-388-16	Ø 16mm

CASPAR
343-386
200mm

CASPAR

343-387	Ø 1,7mm, Bohrtiefe 14mm Ø 1,7mm, depth 14mm
343-388	Ø 1,7mm, Bohrtiefe 8mm Ø 1,7mm, depth 8mm

CASPAR

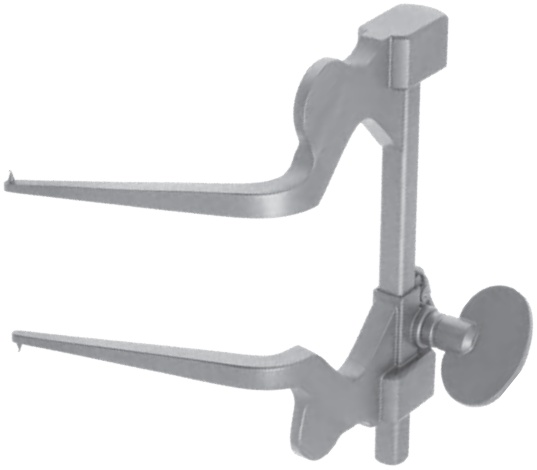
343-388-12	Tiefe 12mm depth 12mm
343-388-14	Tiefe 14mm depth 14mm
343-388-16	Tiefe 16mm depth 16mm
343-388-18	Tiefe 18mm depth 18mm

CLOWARD	Länge length longitud longueur	Spreizweite spreading width extensión écartement
343-505	160mm	15mm

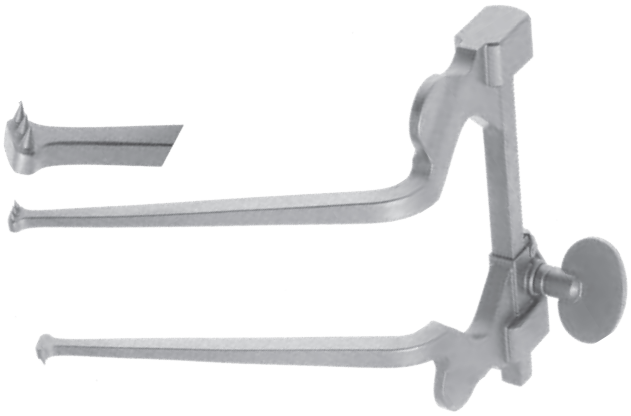
CLOWARD	Länge length longitud longueur	Spreizweite spreading width extensión écartement
343-509	130mm	15mm

CLOWARD	Länge length longitud longueur	Spreizweite spreading width extensión écartement
343-510	150mm	17mm

CLOWARD	Armlänge lenght of arm longitud del brazo longueur bras	Spreizweite spreading width extensión écartement
343-511	70mm	80mm



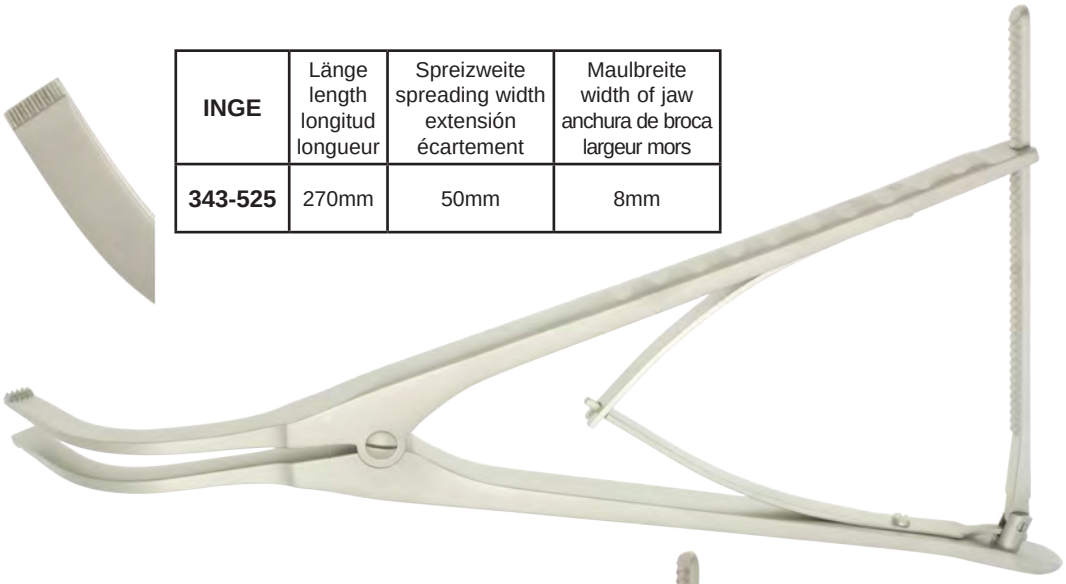
CLOWARD	Armlänge lenght of arm longitud del brazo longueur bras	Spreizweite spreading width extensión écartement
343-513	85mm	70mm
343-514	100mm	70mm



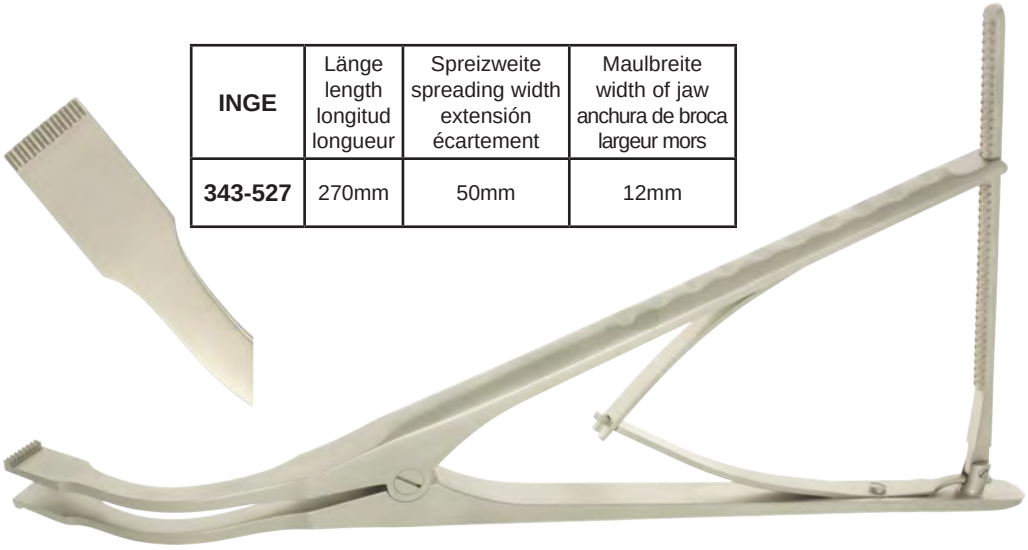
WIRBELKÖRPERSPREIZER
LAMINA SPREADERS
SEPARADORES PARA CUERPOS VERTEBRALES
ECARTEURS POUR CORPS VERTEBRAUX

INGE	Länge length longitud longueur	Spreizweite spreading width extensión écartement	Maulbreite width of jaw anchura de broca largeur mors
343-520	160mm	38mm	6mm

INGE	Länge length longitud longueur	Spreizweite spreading width extensión écartement	Maulbreite width of jaw anchura de broca largeur mors
343-521	160mm	38mm	6mm



INGE	Länge length longitud longueur	Spreizweite spreading width extensión écartement	Maulbreite width of jaw anchura de broca largeur mors
343-525	270mm	50mm	8mm



INGE	Länge length longitud longueur	Spreizweite spreading width extensión écartement	Maulbreite width of jaw anchura de broca largeur mors
343-527	270mm	50mm	12mm

LOVE
Nervenwurzelretraktor, Gesamlänge 210mm
nerve root retractor, total length 210mm

343-143-03 3mm
343-143-05 5mm

SCOVILLE
Nervenwurzelretraktor, Gesamlänge 230mm
nerve root retractor, total length 230mm

343-150 8mm

CASPAR
Nervenwurzelretraktor, Gesamlänge 240mm
nerve root retractor, total length 240mm

343-156 6mm

HESS
Nervenwurzelretraktor, Gesamlänge 195mm
nerve root retractor, total length 195mm

343-163 3mm
343-164 4mm
343-165 5mm
343-167 7mm

TAYLOR
Spinal Haken, Gesamtlänge 200mm
Spinal retractor, total length 200mm

343-200 75 x 32mm
343-201 100 x 32mm

CLOWARD
Wundhaken, Gesamtlänge 180mm
Blade retractor, total length 180mm

343-210 75x18mm
343-211 75x20mm
343-212 75x23mm

DANDY
Haken, 4mm tief, Gesamtlänge 220mm
Hook, depth 4mm, total length 220mm

341-820	gerade / straight
341-821	links / left
341-822	rechts /right

Haken, Gesamtlänge 245mm
Hook, total length 245mm

341-888
341-889
341-890
341-891

YASARGIL
Federhaken zur Galea Fixierung
Galea hook

341-315	7mm breit, Gesamtlänge 310mm width 7mm, total length 310mm
341-316	12mm breit, Gesamtlänge 410mm width 12mm, total length 410mm

KERRISON

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°	90°	40°
1mm	150mm	**344-001**	**344-131**		
2mm	150mm	**344-002**	**344-132**		
3mm	150mm	**344-003**	**344-133**		
4mm	150mm	**344-004**	**344-134**		
5mm	150mm	**344-005**	**344-135**		
6mm	150mm	**344-006**	**344-136**		
1mm	180mm	**344-011**	**344-141**	**344-041**	**344-071**
1,5mm	180mm		**344-141-15**		
2mm	180mm	**344-012**	**344-142**	**344-042**	**344-072**
3mm	180mm	**344-013**	**344-143**	**344-043**	**344-073**
4mm	180mm	**344-014**	**344-144**	**344-044**	**344-074**
5mm	180mm	**344-015**	**344-145**	**344-045**	**344-075**
6mm	180mm	**344-016**	**344-146**	**344-046**	**344-076**
1mm	200mm	**344-021**	**344-151**	**344-051**	**344-081**
1,5mm	200mm		**344-151-15**		
2mm	200mm	**344-022**	**344-152**	**344-052**	**344-082**
3mm	200mm	**344-023**	**344-153**	**344-053**	**344-083**
4mm	200mm	**344-024**	**344-154**	**344-054**	**344-084**
5mm	200mm	**344-025**	**344-155**	**344-055**	**344-085**
6mm	200mm	**344-026**	**344-156**	**344-056**	**344-086**
1mm	230mm	**344-170-10**	**344-172-10**		
1,5mm	230mm		**344-172-15**		
2mm	230mm	**344-170-20**	**344-172-20**		
3mm	230mm	**344-170-30**	**344-172-30**		
4mm	230mm	**344-170-40**	**344-172-40**		
5mm	230mm	**344-170-50**	**344-172-50**		
6mm	230mm	**344-170-60**	**344-172-60**		
1mm	280mm	**344-180-10**	**344-182-10**		
1,5mm	280mm		**344-182-15**		
2mm	280mm	**344-180-20**	**344-182-20**		
3mm	280mm	**344-180-30**	**344-182-30**		
4mm	280mm	**344-180-40**	**344-182-40**		
5mm	280mm	**344-180-50**	**344-182-50**		
6mm	280mm	**344-180-60**	**344-182-60**		
1mm	300mm	**344-190-10**	**344-192-10**		
2mm	300mm	**344-190-20**	**344-192-20**		
3mm	300mm	**344-190-30**	**344-192-30**		
4mm	300mm	**344-190-40**	**344-192-40**		
5mm	300mm	**344-190-50**	**344-192-50**		
6mm	300mm	**344-190-60**	**344-192-60**		

Öffnungsweite 8-10mm • opening width 8-10mm • ancho apertura 8-10mm • overture 8-10mm

LAMINEKTOMIE STANZE
LAMINECTOMY PUNCH
PINZAS CORTANTES PARA LAMINECTOMIA
PINCE EMPORTE-PIECE A LAMINECTOMIE

KERRISON

Keramik beschichtet (TiALN) • ceramic coated (TiALN) • cubierto ceramica (TiALN) • couche ceramique (TiALN)

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°	90°	40°
1mm	150mm	**344-001CC**	**344-131CC**		
2mm	150mm	**344-002CC**	**344-132CC**		
3mm	150mm	**344-003CC**	**344-133CC**		
4mm	150mm	**344-004CC**	**344-134CC**		
5mm	150mm	**344-005CC**	**344-135CC**		
6mm	150mm	**344-006CC**	**344-136CC**		
1mm	180mm	**344-011CC**	**344-141CC**	**344-041CC**	**344-071CC**
1,5mm	180mm		**344-141-15CC**		
2mm	180mm	**344-012CC**	**344-142CC**	**344-042CC**	**344-072CC**
3mm	180mm	**344-013CC**	**344-143CC**	**344-043CC**	**344-073CC**
4mm	180mm	**344-014CC**	**344-144CC**	**344-044CC**	**344-074CC**
5mm	180mm	**344-015CC**	**344-145CC**	**344-045CC**	**344-075CC**
6mm	180mm	**344-016CC**	**344-146CC**	**344-046CC**	**344-076CC**
1mm	200mm	**344-021CC**	**344-151CC**	**344-051CC**	**344-081CC**
1,5mm	200mm		**344-151-15CC**		
2mm	200mm	**344-022CC**	**344-152CC**	**344-052CC**	**344-082CC**
3mm	200mm	**344-023CC**	**344-153CC**	**344-053CC**	**344-083CC**
4mm	200mm	**344-024CC**	**344-154CC**	**344-054CC**	**344-084CC**
5mm	200mm	**344-025CC**	**344-155CC**	**344-055CC**	**344-085CC**
6mm	200mm	**344-026CC**	**344-156CC**	**344-056CC**	**344-086CC**
1mm	230mm	**344-170-10CC**	**344-172-10CC**		
1,5mm	230mm		**344-172-15CC**		
2mm	230mm	**344-170-20CC**	**344-172-20CC**		
3mm	230mm	**344-170-30CC**	**344-172-30CC**		
4mm	230mm	**344-170-40CC**	**344-172-40CC**		
5mm	230mm	**344-170-50CC**	**344-172-50CC**		
6mm	230mm	**344-170-60CC**	**344-172-60CC**		
1mm	280mm	**344-180-10CC**	**344-182-10CC**		
1,5mm	280mm		**344-182-15CC**		
2mm	280mm	**344-180-20CC**	**344-182-20CC**		
3mm	280mm	**344-180-30CC**	**344-182-30CC**		
4mm	280mm	**344-180-40CC**	**344-182-40CC**		
5mm	280mm	**344-180-50CC**	**344-182-50CC**		
6mm	280mm	**344-180-60CC**	**344-182-60CC**		
1mm	300mm	**344-190-10CC**	**344-192-10CC**		
2mm	300mm	**344-190-20CC**	**344-192-20CC**		
3mm	300mm	**344-190-30CC**	**344-192-30CC**		
4mm	300mm	**344-190-40CC**	**344-192-40CC**		
5mm	300mm	**344-190-50CC**	**344-192-50CC**		
6mm	300mm	**344-190-60CC**	**344-192-60CC**		

Öffnungsweite 8-10mm • opening width 8-10mm • ancho apertura 8-10mm • overture 8-10mm

KERRISON

zerlegbar • detachable • desmontable • decomposable

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
1mm	180mm	**344-011DT**	**344-141DT**
2mm	180mm	**344-012DT**	**344-142DT**
3mm	180mm	**344-013DT**	**344-143DT**
4mm	180mm	**344-014DT**	**344-144DT**
5mm	180mm	**344-015DT**	**344-145DT**
6mm	180mm	**344-016DT**	**344-146DT**
1mm	200mm	**344-021DT**	**344-151DT**
2mm	200mm	**344-022DT**	**344-152DT**
3mm	200mm	**344-023DT**	**344-153DT**
4mm	200mm	**344-024DT**	**344-154DT**
5mm	200mm	**344-025DT**	**344-155DT**
6mm	200mm	**344-026DT**	**344-156DT**
1mm	230mm	**344-170-10DT**	**344-172-10DT**
2mm	230mm	**344-170-20DT**	**344-172-20DT**
3mm	230mm	**344-170-30DT**	**344-172-30DT**
4mm	230mm	**344-170-40DT**	**344-172-40DT**
5mm	230mm	**344-170-50DT**	**344-172-50DT**
6mm	230mm	**344-170-60DT**	**344-172-60DT**

KERRISON

zerlegbar und Keramik beschichtet (TiALN) • detachable and ceramic coated (TiALN)
desmontable y cubierto ceramica (TiALN) • decomposable et couche ceramique (TiALN)

Bissbreite Wiidth of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
1mm	180mm	**344-011DTCC**	**344-141DTCC**
2mm	180mm	**344-012DTCC**	**344-142DTCC**
3mm	180mm	**344-013DTCC**	**344-143DTCC**
4mm	180mm	**344-014DTCC**	**344-144DTCC**
5mm	180mm	**344-015DTCC**	**344-145DTCC**
6mm	180mm	**344-016DTCC**	**344-146DTCC**
1mm	200mm	**344-021DTCC**	**344-151DTCC**
2mm	200mm	**344-022DTCC**	**344-152DTCC**
3mm	200mm	**344-023DTCC**	**344-153DTCC**
4mm	200mm	**344-024DTCC**	**344-154DTCC**
5mm	200mm	**344-025DTCC**	**344-155DTCC**
6mm	200mm	**344-026DTCC**	**344-156DTCC**
1mm	230mm	**344-170-10DTCC**	**344-172-10DTCC**
2mm	230mm	**344-170-20DTCC**	**344-172-20DTCC**
3mm	230mm	**344-170-30DTCC**	**344-172-30DTCC**
4mm	230mm	**344-170-40DTCC**	**344-172-40DTCC**
5mm	230mm	**344-170-50DTCC**	**344-172-50DTCC**
6mm	230mm	**344-170-60DTCC**	**344-172-60DTCC**

Öffnungsweite 10mm • opening width 10mm • ancho apertura 10mm • overture 10mm

LAMINEKTOMIE STANZE
LAMINECTOMY PUNCH
PINZAS CORTANTES PARA LAMINECTOMIA
PINCE EMPORTE-PIECE A LAMINECTOMIE

KERRISON

Auswerfer und zerlegbar • ejector and detachable • eyector y desmontable • ejecteur et decomposable

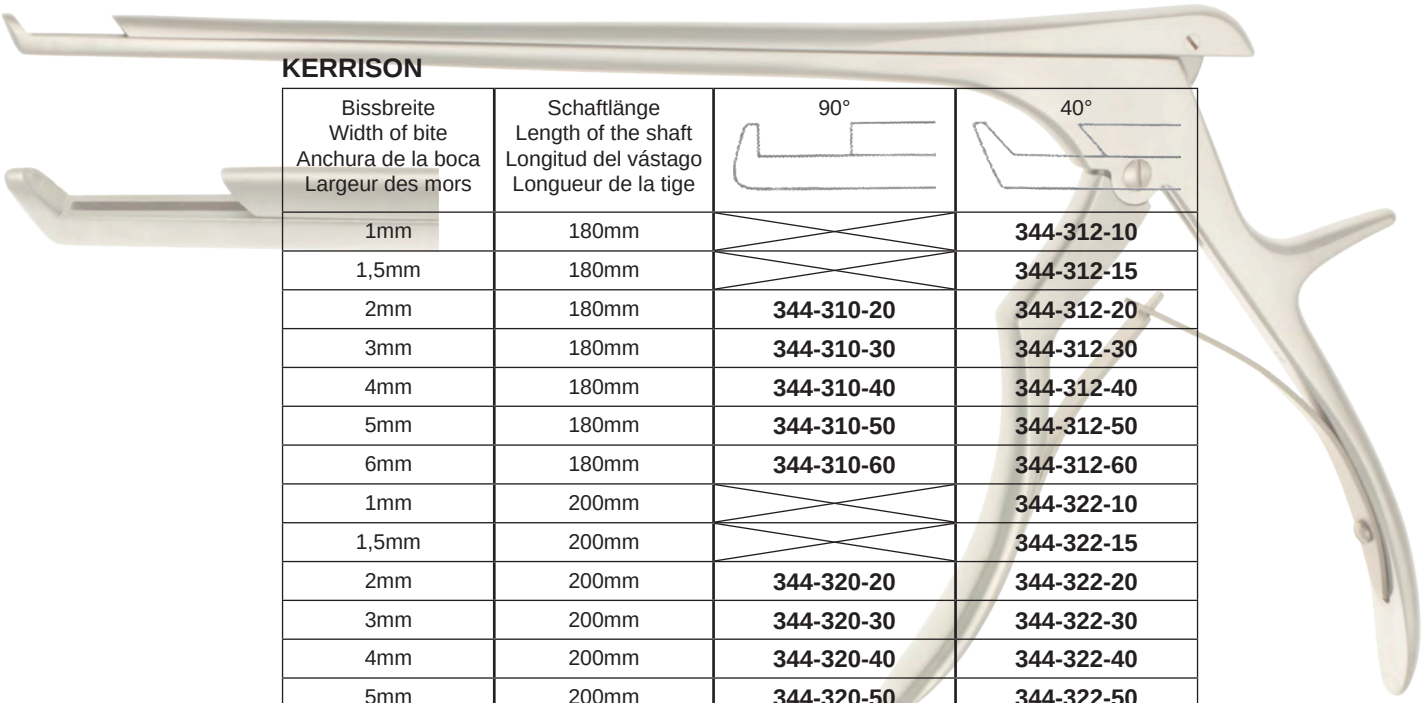
Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
2mm	180mm	**344-012EDT**	**344-142EDT**
3mm	180mm	**344-013EDT**	**344-143EDT**
4mm	180mm	**344-014EDT**	**344-144EDT**
5mm	180mm	**344-015EDT**	**344-145EDT**
6mm	180mm	**344-016EDT**	**344-146EDT**
2mm	200mm	**344-022EDT**	**344-152EDT**
3mm	200mm	**344-023EDT**	**344-153EDT**
4mm	200mm	**344-024EDT**	**344-154EDT**
5mm	200mm	**344-025EDT**	**344-155EDT**
6mm	200mm	**344-026EDT**	**344-156EDT**
2mm	230mm	**344-170-20EDT**	**344-172-20EDT**
3mm	230mm	**344-170-30EDT**	**344-172-30EDT**
4mm	230mm	**344-170-40EDT**	**344-172-40EDT**
5mm	230mm	**344-170-50EDT**	**344-172-50EDT**
6mm	230mm	**344-170-60EDT**	**344-172-60EDT**

Öffnungsweite 10mm • opening width 10mm • ancho apertura 10mm • overture 10mm

KERRISON

Auswerfer, zerlegbar und Keramik beschichtet (TiALN) • ejector, detachable and ceramic coated (TiALN)
eyector, desmontable y cubierto ceramica (TiALN) • ejecteur, decomposable et couche ceramique (TiALN)

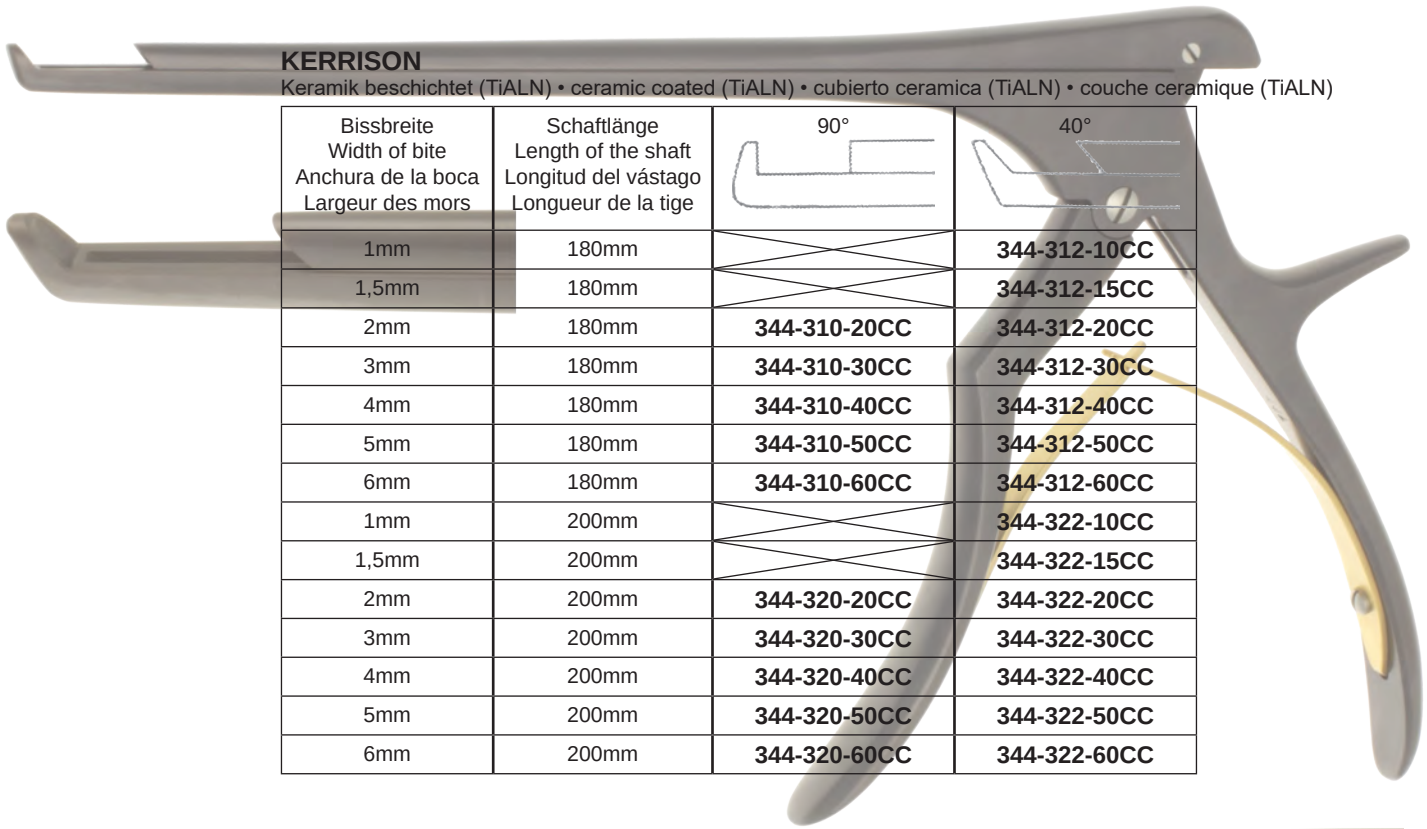
Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
2mm	180mm	**344-012EDTCC**	**344-142EDTCC**
3mm	180mm	**344-013EDTCC**	**344-143EDTCC**
4mm	180mm	**344-014EDTCC**	**344-144EDTCC**
5mm	180mm	**344-015EDTCC**	**344-145EDTCC**
6mm	180mm	**344-016EDTCC**	**344-146EDTCC**
2mm	200mm	**344-022EDTCC**	**344-152EDTCC**
3mm	200mm	**344-023EDTCC**	**344-153EDTCC**
4mm	200mm	**344-024EDTCC**	**344-154EDTCC**
5mm	200mm	**344-025EDTCC**	**344-155EDTCC**
6mm	200mm	**344-026EDTCC**	**344-156EDTCC**
2mm	230mm	**344-170-20EDTCC**	**344-172-20EDTCC**
3mm	230mm	**344-170-30EDTCC**	**344-172-30EDTCC**
4mm	230mm	**344-170-40EDTCC**	**344-172-40EDTCC**
5mm	230mm	**344-170-50EDTCC**	**344-172-50EDTCC**
6mm	230mm	**344-170-60EDTCC**	**344-172-60EDTCC**



KERRISON

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
1mm	180mm		**344-312-10**
1,5mm	180mm		**344-312-15**
2mm	180mm	**344-310-20**	**344-312-20**
3mm	180mm	**344-310-30**	**344-312-30**
4mm	180mm	**344-310-40**	**344-312-40**
5mm	180mm	**344-310-50**	**344-312-50**
6mm	180mm	**344-310-60**	**344-312-60**
1mm	200mm		**344-322-10**
1,5mm	200mm		**344-322-15**
2mm	200mm	**344-320-20**	**344-322-20**
3mm	200mm	**344-320-30**	**344-322-30**
4mm	200mm	**344-320-40**	**344-322-40**
5mm	200mm	**344-320-50**	**344-322-50**
6mm	200mm	**344-320-60**	**344-322-60**

Öffnungsweite 15mm • opening width 15mm • ancho apertura 15mm • overture 15mm



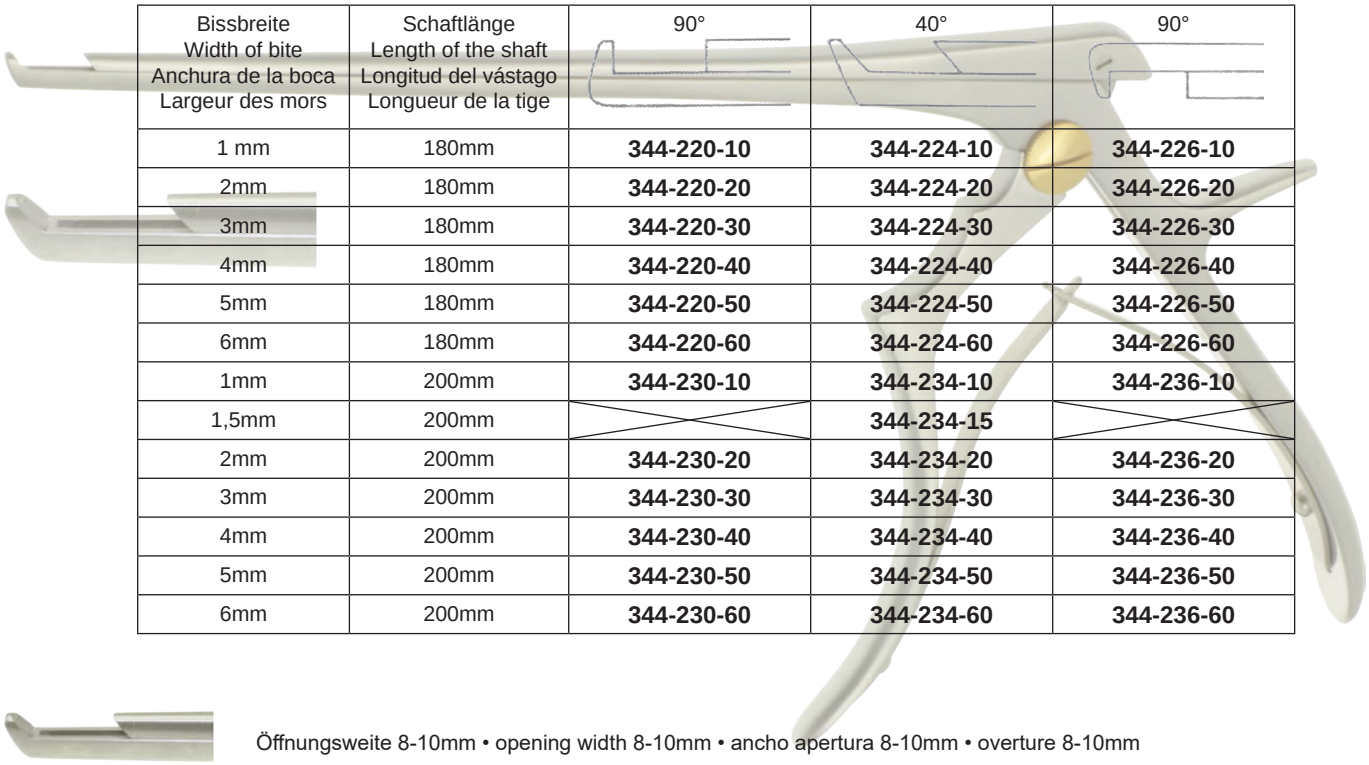
KERRISON

Keramik beschichtet (TiALN) • ceramic coated (TiALN) • cubierto ceramica (TiALN) • couche ceramique (TiALN)

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
1mm	180mm		**344-312-10CC**
1,5mm	180mm		**344-312-15CC**
2mm	180mm	**344-310-20CC**	**344-312-20CC**
3mm	180mm	**344-310-30CC**	**344-312-30CC**
4mm	180mm	**344-310-40CC**	**344-312-40CC**
5mm	180mm	**344-310-50CC**	**344-312-50CC**
6mm	180mm	**344-310-60CC**	**344-312-60CC**
1mm	200mm		**344-322-10CC**
1,5mm	200mm		**344-322-15CC**
2mm	200mm	**344-320-20CC**	**344-322-20CC**
3mm	200mm	**344-320-30CC**	**344-322-30CC**
4mm	200mm	**344-320-40CC**	**344-322-40CC**
5mm	200mm	**344-320-50CC**	**344-322-50CC**
6mm	200mm	**344-320-60CC**	**344-322-60CC**

Öffnungsweite 15mm • opening width 15mm • ancho apertura 15mm • overture 15mm

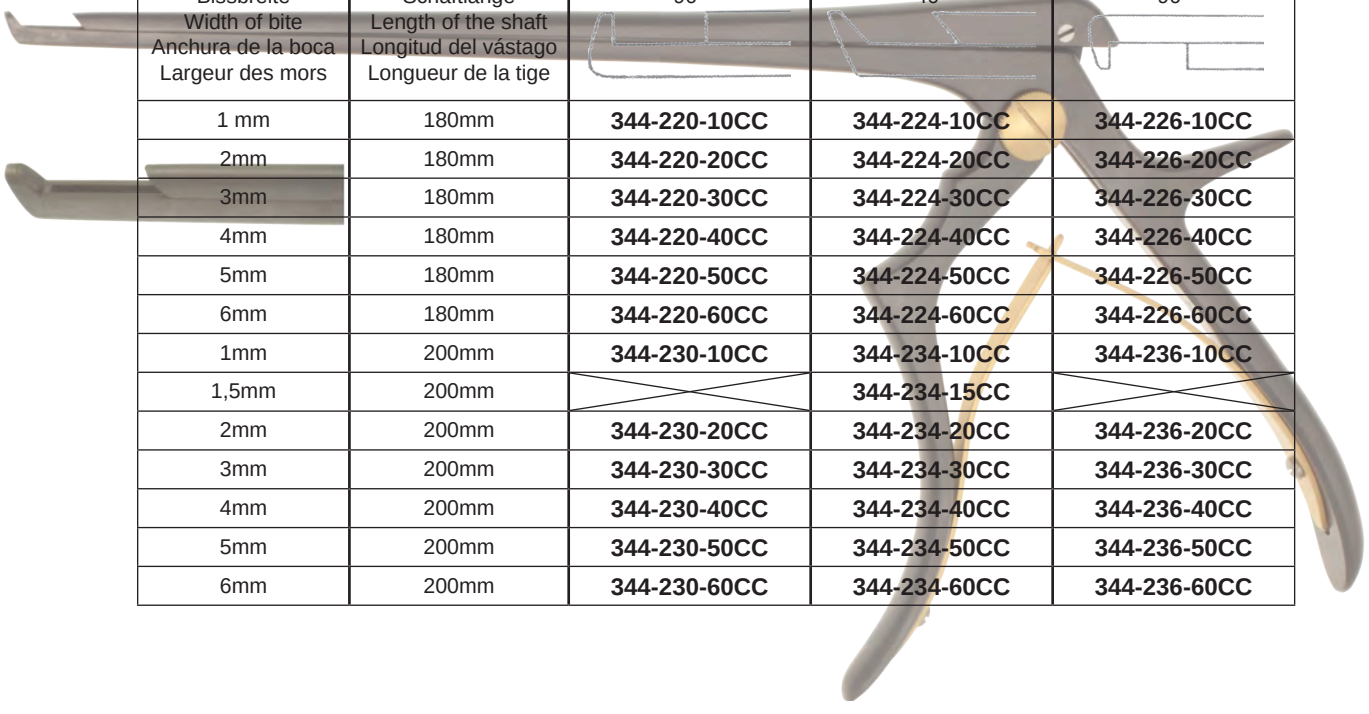
PLATTFUSS LAMINEKTOMIE STANZE
THIN FOOT LAMINECTOMY PUNCH
PINZAS CORTANTES PARA LAMINECTOMIA FINA
PINCE EMPORTE-PIECE A LAMINECTOMIE FINE



Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°	90°
1 mm	180mm	**344-220-10**	**344-224-10**	**344-226-10**
2mm	180mm	**344-220-20**	**344-224-20**	**344-226-20**
3mm	180mm	**344-220-30**	**344-224-30**	**344-226-30**
4mm	180mm	**344-220-40**	**344-224-40**	**344-226-40**
5mm	180mm	**344-220-50**	**344-224-50**	**344-226-50**
6mm	180mm	**344-220-60**	**344-224-60**	**344-226-60**
1mm	200mm	**344-230-10**	**344-234-10**	**344-236-10**
1,5mm	200mm		**344-234-15**	
2mm	200mm	**344-230-20**	**344-234-20**	**344-236-20**
3mm	200mm	**344-230-30**	**344-234-30**	**344-236-30**
4mm	200mm	**344-230-40**	**344-234-40**	**344-236-40**
5mm	200mm	**344-230-50**	**344-234-50**	**344-236-50**
6mm	200mm	**344-230-60**	**344-234-60**	**344-236-60**

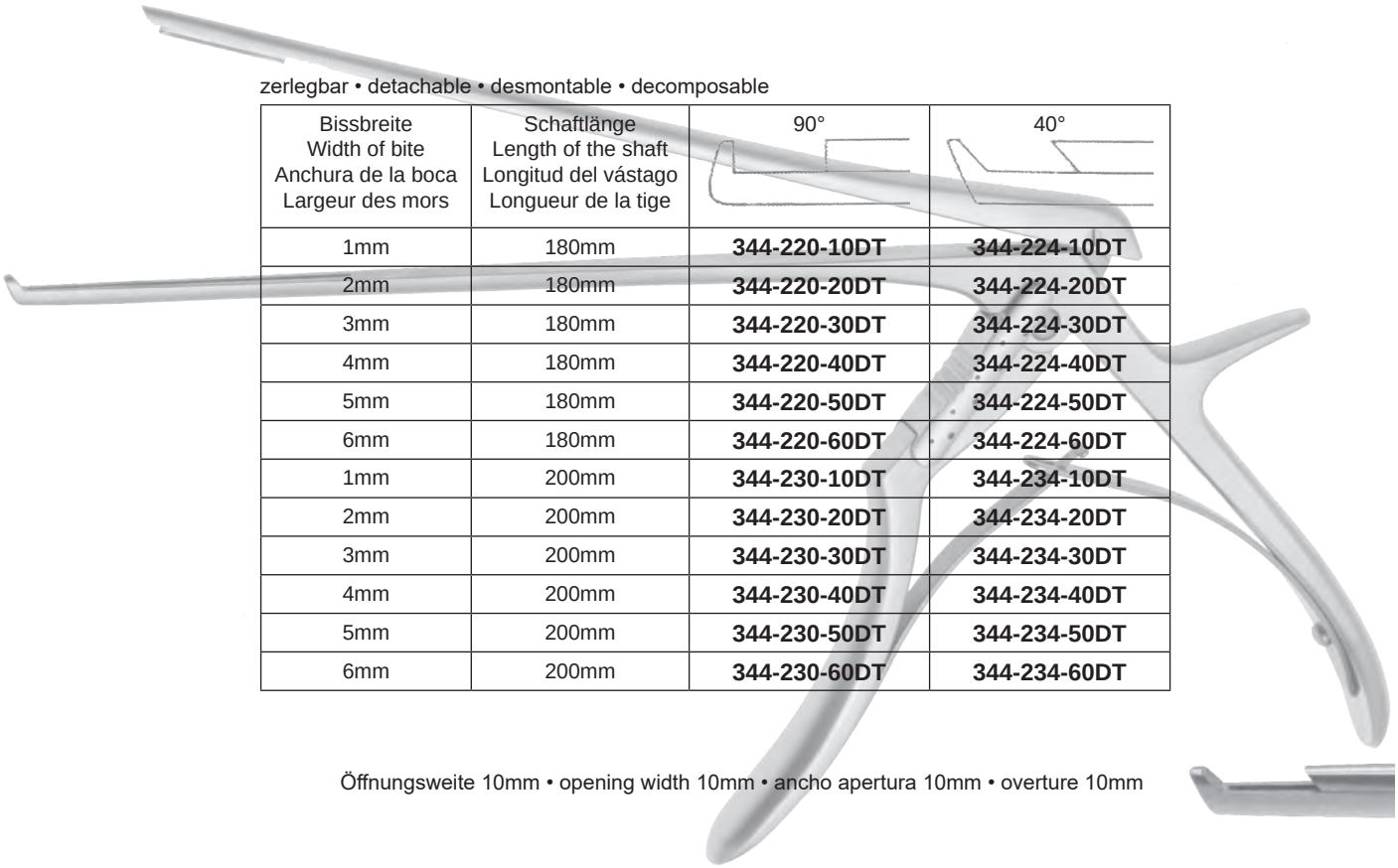
Öffnungsweite 8-10mm • opening width 8-10mm • ancho apertura 8-10mm • overture 8-10mm

Keramik beschichtet (TiALN) • ceramic coated (TiALN) • cubierto ceramica (TiALN) • couche ceramique (TiALN)



Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°	90°
1 mm	180mm	**344-220-10CC**	**344-224-10CC**	**344-226-10CC**
2mm	180mm	**344-220-20CC**	**344-224-20CC**	**344-226-20CC**
3mm	180mm	**344-220-30CC**	**344-224-30CC**	**344-226-30CC**
4mm	180mm	**344-220-40CC**	**344-224-40CC**	**344-226-40CC**
5mm	180mm	**344-220-50CC**	**344-224-50CC**	**344-226-50CC**
6mm	180mm	**344-220-60CC**	**344-224-60CC**	**344-226-60CC**
1mm	200mm	**344-230-10CC**	**344-234-10CC**	**344-236-10CC**
1,5mm	200mm		**344-234-15CC**	
2mm	200mm	**344-230-20CC**	**344-234-20CC**	**344-236-20CC**
3mm	200mm	**344-230-30CC**	**344-234-30CC**	**344-236-30CC**
4mm	200mm	**344-230-40CC**	**344-234-40CC**	**344-236-40CC**
5mm	200mm	**344-230-50CC**	**344-234-50CC**	**344-236-50CC**
6mm	200mm	**344-230-60CC**	**344-234-60CC**	**344-236-60CC**

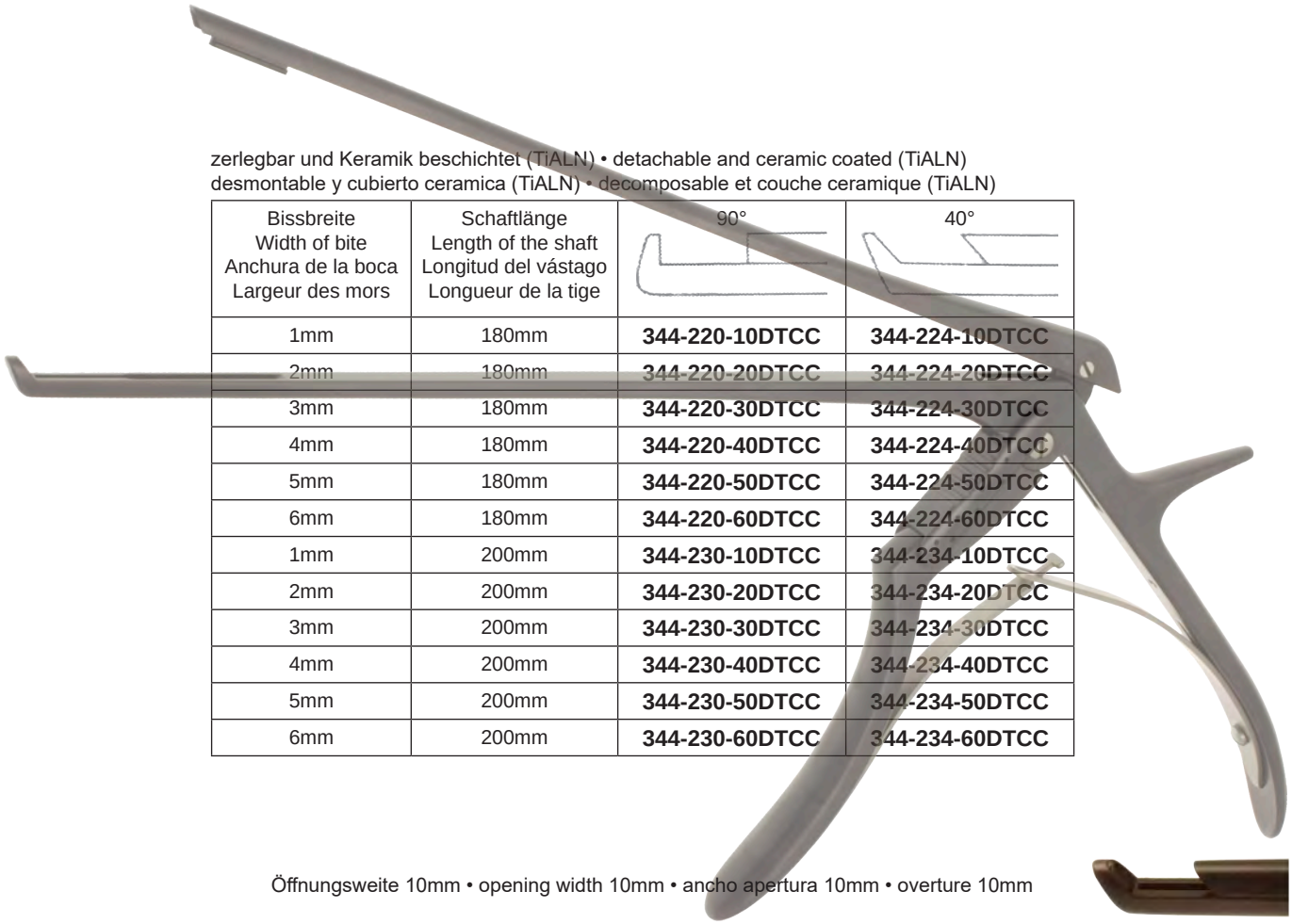
Öffnungsweite 8-10mm • opening width 8-10mm • ancho apertura 8-10mm • overture 8-10mm



zerlegbar • detachable • desmontable • decomposable

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
1mm	180mm	**344-220-10DT**	**344-224-10DT**
2mm	180mm	**344-220-20DT**	**344-224-20DT**
3mm	180mm	**344-220-30DT**	**344-224-30DT**
4mm	180mm	**344-220-40DT**	**344-224-40DT**
5mm	180mm	**344-220-50DT**	**344-224-50DT**
6mm	180mm	**344-220-60DT**	**344-224-60DT**
1mm	200mm	**344-230-10DT**	**344-234-10DT**
2mm	200mm	**344-230-20DT**	**344-234-20DT**
3mm	200mm	**344-230-30DT**	**344-234-30DT**
4mm	200mm	**344-230-40DT**	**344-234-40DT**
5mm	200mm	**344-230-50DT**	**344-234-50DT**
6mm	200mm	**344-230-60DT**	**344-234-60DT**

Öffnungsweite 10mm • opening width 10mm • ancho apertura 10mm • overture 10mm

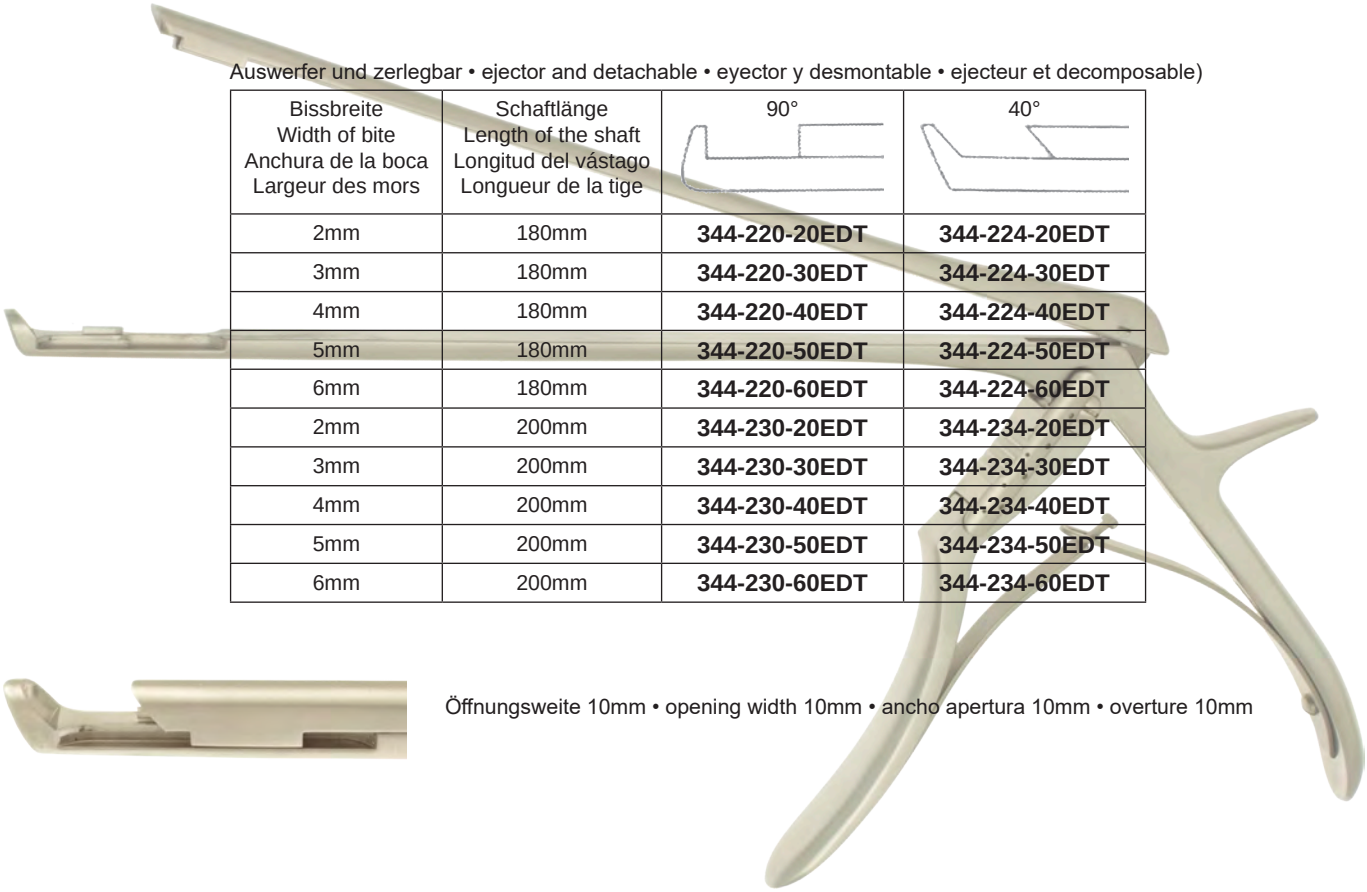


zerlegbar und Keramik beschichtet (TiALN) • detachable and ceramic coated (TiALN)
desmontable y cubierto ceramica (TiALN) • decomposable et couche ceramique (TiALN)

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
1mm	180mm	**344-220-10DTCC**	**344-224-10DTCC**
2mm	180mm	**344-220-20DTCC**	**344-224-20DTCC**
3mm	180mm	**344-220-30DTCC**	**344-224-30DTCC**
4mm	180mm	**344-220-40DTCC**	**344-224-40DTCC**
5mm	180mm	**344-220-50DTCC**	**344-224-50DTCC**
6mm	180mm	**344-220-60DTCC**	**344-224-60DTCC**
1mm	200mm	**344-230-10DTCC**	**344-234-10DTCC**
2mm	200mm	**344-230-20DTCC**	**344-234-20DTCC**
3mm	200mm	**344-230-30DTCC**	**344-234-30DTCC**
4mm	200mm	**344-230-40DTCC**	**344-234-40DTCC**
5mm	200mm	**344-230-50DTCC**	**344-234-50DTCC**
6mm	200mm	**344-230-60DTCC**	**344-234-60DTCC**

Öffnungsweite 10mm • opening width 10mm • ancho apertura 10mm • overture 10mm

PLATTFUSS LAMINEKTOMIE STANZE
THIN FOOT LAMINECTOMY PUNCH
PINZAS CORTANTES PARA LAMINECTOMIA FINA
PINCE EMPORTE-PIECE A LAMINECTOMIE FINE



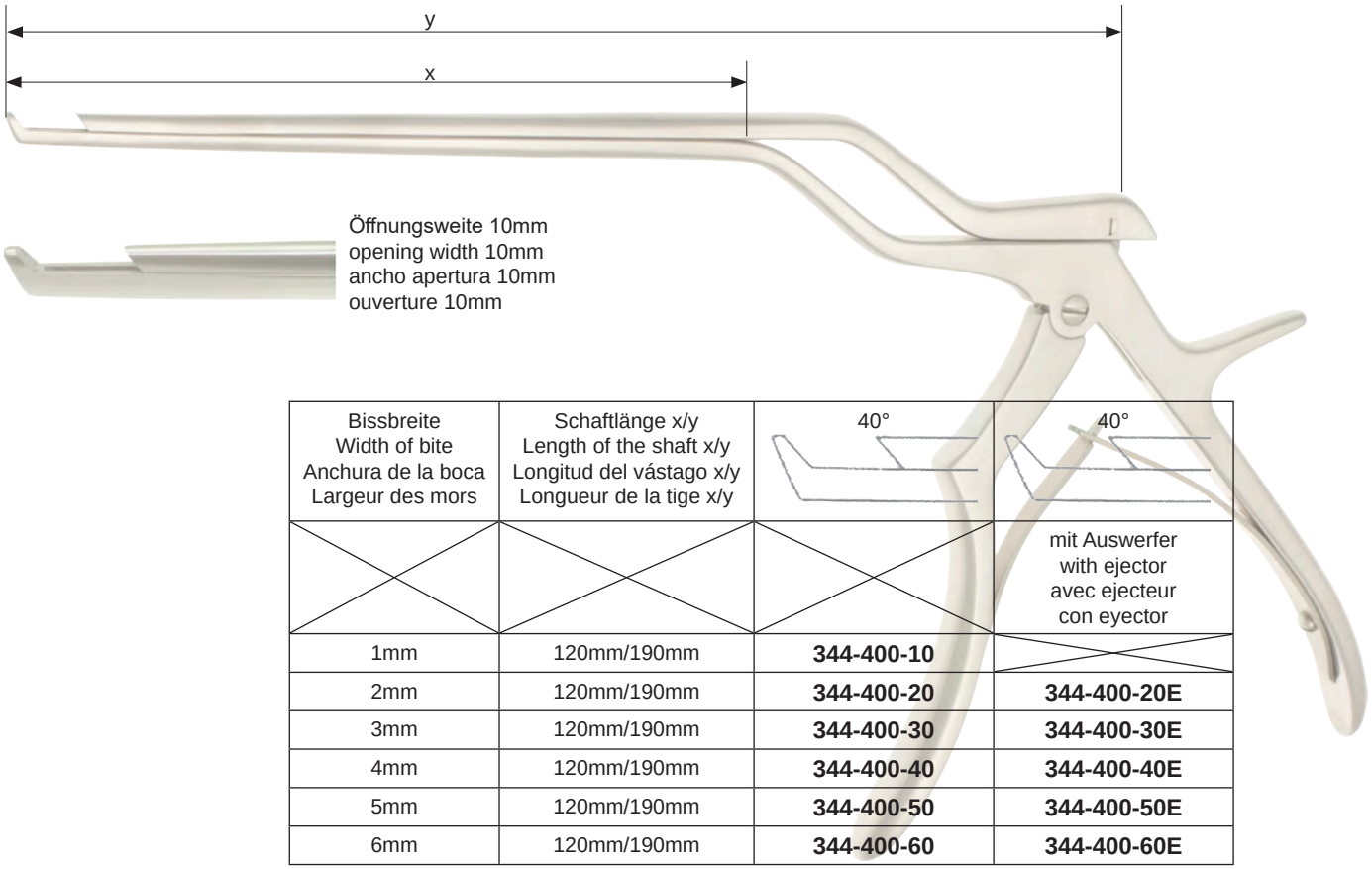
Auswerfer und zerlegbar • ejector and detachable • eyector y desmontable • ejecteur et decomposable)

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
2mm	180mm	**344-220-20EDT**	**344-224-20EDT**
3mm	180mm	**344-220-30EDT**	**344-224-30EDT**
4mm	180mm	**344-220-40EDT**	**344-224-40EDT**
5mm	180mm	**344-220-50EDT**	**344-224-50EDT**
6mm	180mm	**344-220-60EDT**	**344-224-60EDT**
2mm	200mm	**344-230-20EDT**	**344-234-20EDT**
3mm	200mm	**344-230-30EDT**	**344-234-30EDT**
4mm	200mm	**344-230-40EDT**	**344-234-40EDT**
5mm	200mm	**344-230-50EDT**	**344-234-50EDT**
6mm	200mm	**344-230-60EDT**	**344-234-60EDT**

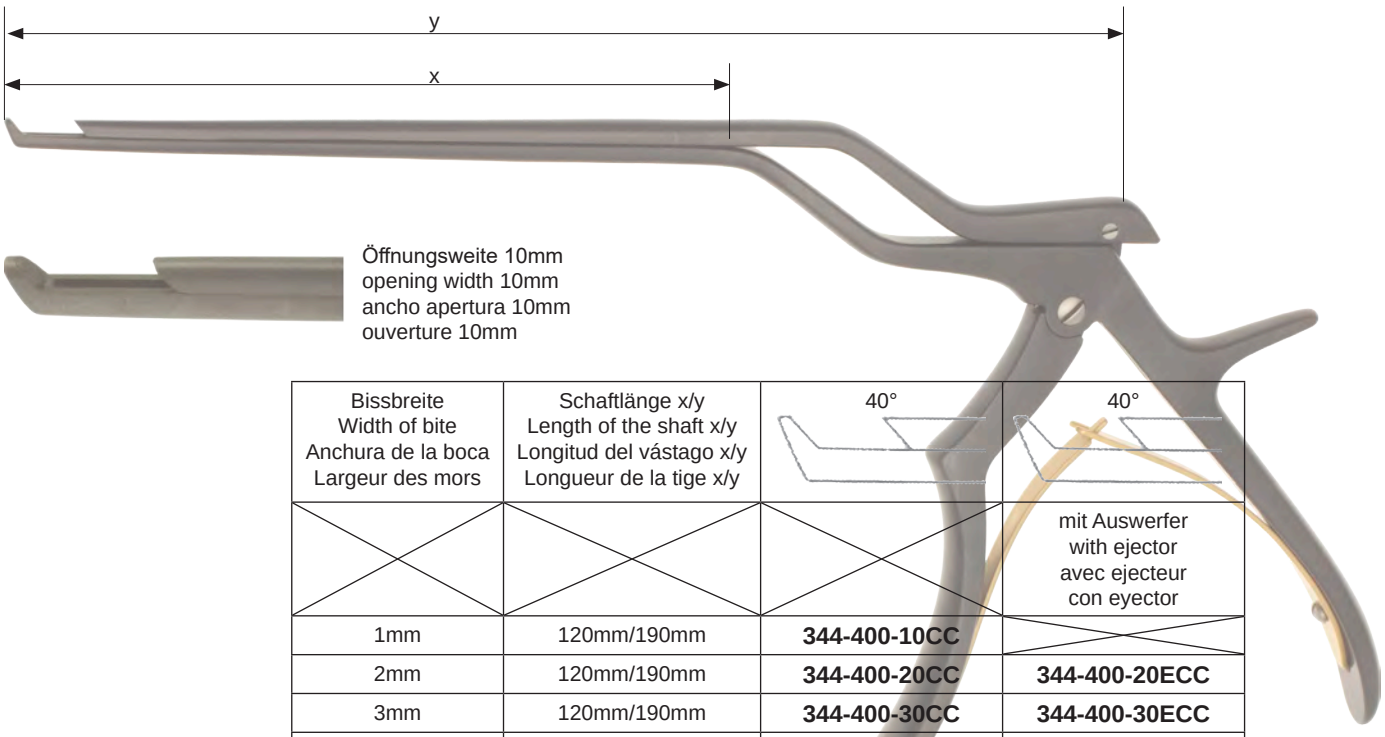
Öffnungsweite 10mm • opening width 10mm • ancho apertura 10mm • overture 10mm

Auswerfer, zerlegbar und Keramik beschichtet (TiALN) • ejector, detachable and ceramic coated (TiALN)
eyector, desmontable y cubierto ceramica (TiALN) • ejecteur, decomposable et couche ceramique (TiALN)

Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge Length of the shaft Longitud del vástago Longueur de la tige	90°	40°
2mm	180mm	**344-220-20EDTCC**	**344-224-20EDTCC**
3mm	180mm	**344-220-30EDTCC**	**344-224-30EDTCC**
4mm	180mm	**344-220-40EDTCC**	**344-224-40EDTCC**
5mm	180mm	**344-220-50EDTCC**	**344-224-50EDTCC**
6mm	180mm	**344-220-60EDTCC**	**344-224-60EDTCC**
2mm	200mm	**344-230-20EDTCC**	**344-234-20EDTCC**
3mm	200mm	**344-230-30EDTCC**	**344-234-30EDTCC**
4mm	200mm	**344-230-40EDTCC**	**344-234-40EDTCC**
5mm	200mm	**344-230-50EDTCC**	**344-234-50EDTCC**
6mm	200mm	**344-230-60EDTCC**	**344-234-60EDTCC**



Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge x/y Length of the shaft x/y Longitud del vástago x/y Longueur de la tige x/y	40°	40°
			mit Auswerfer with ejector avec ejecteur con eyector
1mm	120mm/190mm	**344-400-10**	
2mm	120mm/190mm	**344-400-20**	**344-400-20E**
3mm	120mm/190mm	**344-400-30**	**344-400-30E**
4mm	120mm/190mm	**344-400-40**	**344-400-40E**
5mm	120mm/190mm	**344-400-50**	**344-400-50E**
6mm	120mm/190mm	**344-400-60**	**344-400-60E**

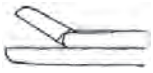


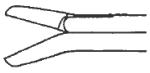
Bissbreite Width of bite Anchura de la boca Largeur des mors	Schaftlänge x/y Length of the shaft x/y Longitud del vástago x/y Longueur de la tige x/y	40°	40°
			mit Auswerfer with ejector avec ejecteur con eyector
1mm	120mm/190mm	**344-400-10CC**	
2mm	120mm/190mm	**344-400-20CC**	**344-400-20ECC**
3mm	120mm/190mm	**344-400-30CC**	**344-400-30ECC**
4mm	120mm/190mm	**344-400-40CC**	**344-400-40ECC**
5mm	120mm/190mm	**344-400-50CC**	**344-400-50ECC**
6mm	120mm/190mm	**344-400-60CC**	**344-400-60ECC**

LAMINEKTOMIE-ZANGEN
LAMINECTOMY RONGEUR
PINZAS DISCO LAMINECTOMIA
PINCES POUR DISQUES LAMINECTOMIE

WEIL-BLAKSLEY

Maulteil jaws boca mors	Schaftlänge length of the shaft longitud del vástago longueur de la tige	gerade straight recta droit	aufwärts upwards hacia arriba vers le haut
2,5mm	180mm	**346-900**	**346-901**
3,0mm	180mm	**346-910**	**346-911**
3,5mm	180mm	**346-920**	**346-921**
4,0mm	180mm	**346-930**	**346-931**
4,5mm	180mm	**346-940**	**346-941**
5,0mm	180mm	**346-950**	**346-951**
5,5mm	180mm	**346-960**	**346-961**





CUSHING

1,5 x 10mm	180mm	**346-210**	**346-213**	**346-217**
	200mm	**346-310**	**346-313**	**346-317**

2,0 x 10mm	130mm	**346-020**	**346-023**	**346-027**
	150mm	**346-120**	**346-123**	**346-127**
	180mm	**346-220**	**346-223**	**346-227**
	200mm	**346-320**	**346-323**	**346-327**

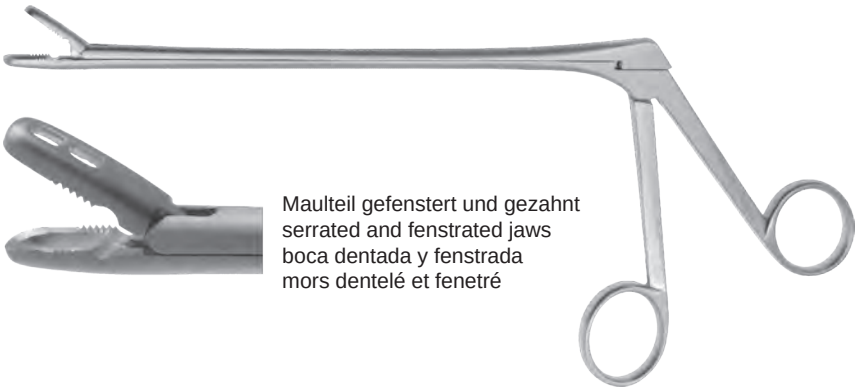
LOVE-GRUENWALD

3,0 x 10mm	130mm	**346-030**	**346-033**	**346-037**
	150mm	**346-130**	**346-133**	**346-137**
	180mm	**346-230**	**346-233**	**346-237**
	200mm	**346-330**	**346-333**	**346-337**

SPURLING

4,0 x 10mm	130mm	**346-040**	**346-043**	**346-047**
	150mm	**346-140**	**346-143**	**346-147**
	180mm	**346-240**	**346-243**	**346-247**
	200mm	**346-340**	**346-343**	**346-347**

LAMINEKTOMIE-ZANGEN
LAMINECTOMY RONGEUR
PINZAS DISCO LAMINECTOMIA
PINCES POUR DISQUES LAMINECTOMIE



Maulteil gefenstert und gezahnt
serrated and fenstrated jaws
boca dentada y fenstrada
mors dentelé et fenetré

CASPAR LAMINECTOMY RONGEURS

Maulteil jaws boca mors	Schaftlänge length of the shaft longitud del vástago longueur de la tige	gerade straight recta droit	aufwärts upwards hacia arriba vers le haut	abwärts downwards hacia abajo vers le bas
2,0 x 12mm	140mm	**347-000-14**		
3,0 x 12mm	140mm	**347-010-14**	**347-011-14**	**347-013-14**
4,0 x 14mm	140mm	**347-020-14**	**347-021-14**	**347-023-14**
5,0 x 14mm	140mm	**347-030-14**	**347-031-14**	
2,0 x 12mm	160mm	**347-000-16**		
3,0 x 12mm	160mm	**347-010-16**	**347-011-16**	**347-013-16**
4,0 x 14mm	160mm	**347-020-16**	**347-021-16**	**347-023-16**
5,0 x 14mm	160mm	**347-030-16**	**347-031-16**	
2,0 x 12mm	185mm	**347-000-18**		
3,0 x 12mm	185mm	**347-010-18**	**347-011-18**	**347-013-18**
4,0 x 14mm	185mm	**347-020-18**	**347-021-18**	**347-023-18**
5,0 x 14mm	185mm	**347-030-18**	**347-031-18**	

LANDOLT
Enukleator, Arbeitlänge 155mm, Gesamtlänge 260mm
Enucleator, working length 155mm, total length 260mm

348-9625L biegsamer Schaft,
links schneidend
malleable shaft
cutting the left

348-9625R biegsamer Schaft,
rechts schneidend
malleable shaft
cutting on the right

LANDOLT
Spatelkürette, Arbeitlänge 155mm, Gesamtlänge 260mm
Spatula curette, working length 155mm, total length 260mm

348-9627 biegsamer Schaft,
malleable shaft

LANDOLT-REULEN
Löffel, Arbeitlänge 155mm, Gesamtlänge 260mm
Curette, working length 155mm, total length 260mm

348-9642 **Ø 2,5mm**

LANDOLT-REULEN
Stumpfes Häkchen, Arbeitlänge 155mm, Gesamtlänge 260mm
Blunt hook, working length 155mm, total length 260mm

348-9643

FAHLBUSCH
Kürette Ø 2,5mm, biegsam,
Arbeitlänge 155mm, Gesamtlänge 260mm
Curette, Ø 2,5mm, malleable,
working length 155mm, total length 260mm

348-9643

HARDY
Kürette Ø 4mm, biegsam,
Arbeitlänge 155mm, Gesamtlänge 260mm
Curette, Ø 4mm, malleable,
working length 155mm, total length 260mm

341-534

HARDY

Arbeitlänge 120mm, Gesamtlänge 240mm
Working length 120mm, total length 240mm

341-500 Kürette, Ø 3mm, 90° aufgwinkelt
Curette, Ø 3mm, 90° angled up

341-501 Kürette, Ø 3mm, 90° abgwinkelt
Curette, Ø 3mm, 90° angled down

341-502 Kürette, Ø 3mm, 90° links gewinkelt
Curette, Ø 3mm, 90° left angled

341-503 Kürette, Ø 3mm, 45° rechts gewinkelt
Curette, Ø 3mm, 45° right angled

341-510 Kürette, Ø 5mm, 90° aufgwinkelt
Curette, Ø 5mm, 90° angled up

341-511 Kürette, Ø 5mm, 90° abgwinkelt
Curette, Ø 5mm, 90° angled down

341-512 Kürette, Ø 5mm, 90° links gewinkelt
Curette, Ø 5mm, 90° left angled

341-513 Kürette, Ø 5mm, 45° rechts gewinkelt
Curette, Ø 5mm, 45° right angled

341-514 Kürette, Ø 5mm, links gebogen
Curette, Ø 5mm, curved left

341-515 Kürette, Ø 5mm, rechts gebogen
Curette, Ø 5mm, curved right

341-531 Mikro Dissektor, 2mm aufwärts gebogen
Micro dissector, 2mm, curved up

341-533 Mikro Dissektor, 2mm abwärts gebogen
Micro dissector, 2mm, curved down

341-538 Implatationsgabel
Implant fork

341-540 Kürette, Ø 4mm, biegsam
Curette, Ø 4mm, malleable

CONE
Ringkürette, gerade, Gesamtlänge 230mm
Ring curette, straight, total length 230mm

341-520 Ø 3mm
341-522 Ø 6mm
341-524 Ø 8mm

CONE
Ringkürette, gebogen, Gesamtlänge 230mm
Ring curette, curved, total length 230mm

341-521 Ø 3mm
341-523 Ø 6mm
341-525 Ø 8mm

NICOLA
Kürette, Arbeitlänge 120mm, Gesamtlänge 240mm
Curette, working length 120mm, total length 240mm

341-590 Ø 6,5mm, biegsam
Ø 6,5mm, malleable

NICOLA
Kürette, Arbeitlänge 120mm, Gesamtlänge 240mm
Curette, working length 120mm, total length 240mm

341-591 Ø 6,5mm, biegsam,
nach rechts schneidend
Ø 6,5mm, malleable,
cutting to the right

NICOLA
Kürette, Arbeitlänge 120mm, Gesamtlänge 240mm
Curette, working length 120mm, total length 240mm

341-593 Ø 6,5mm, biegsam,
nach links schneidend
Ø 6,5mm, malleable,
cutting to the left

HARDY-FAHLBUSCH
Dissektor, Arbeitlänge 120mm, Gesamtlänge 240mm
Dissector, working length 120mm, total length 240mm

341-585L links schneidend,
Innenkante scharf
cutting on the left,
sharp inner edge

341-585R rechts schneidend,
Innenkante scharf
cutting on the right,
sharp inner edge

YASARGIL
Raspatorium, Gesamtlänge 185mm
Raspatory, total length 185mm

360-401 leicht gebogen / slightly curved

360-402 stark gebogen / strong curved

360-403 abgewinkelt / angled

360-404 abgewinkelt / angled

YASARGIL
Dissektor, Gesamtlänge 185mm
Dissector, total length 185mm

360-410 abgewinkelt / angled

YASARGIL
Raspatorium, Gesamtlänge 185mm
Raspatory, total length 185mm

360-406 stark aufgebogen / heavy curved up

YASARGIL
Kürette, Gesamtlänge 185mm
Curette, total length 185mm

360-430

YASARGIL
Gefäßmesser, Gesamtlänge 185mm
Vessel knife, total length 185mm

360-466 aufgebogen / curved upwards

360-467 abgebogen / curved downwards

JACOBSON
Gefäßmesser, Gesamtlänge 185mm
Vessel knife, total length 185mm

360-450

JACOBSON
Knopfsonde Gesamtlänge 185mm
Probe with ball point, total length 185mm

360-420

JACOBSON
Doppelsonde Gesamtlänge 185mm
Vessel probe and supporter, total length 185mm

360-422

Gefäßdilatator, Gesamtlänge 125mm
Vessel dilator, total length 125mm

360-423 Ø 0,5mm
360-424 Ø 1,0mm
360-425 Ø 1,5mm

KRAYENBUEHL

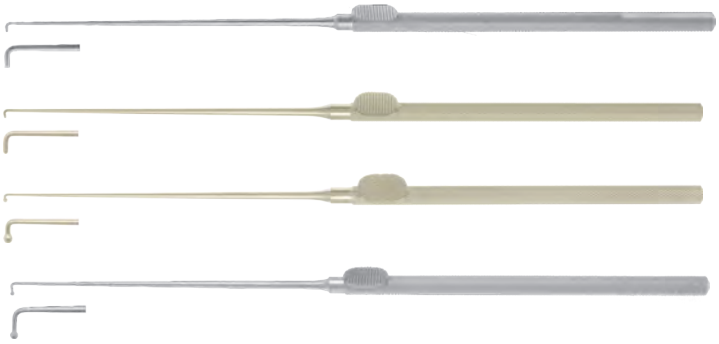
Nerven- und Gefäßhäkchen, Gesamtlänge 185mm
Nerve and vessel hook, total length 185mm

360-600 stumpf, kurz / blunt, short

360-601 stumpf, lang / blunt, long

360-602 geknöpft, kurz / ball pointed, short

360-603 geknöpft, lang / ball pointed, long



YASRAGIL

Fadenführer, geknöpft, Gesamtlänge 185mm
Ligature guide, probe ended, total length 185mm

360-840 leicht gebogen / slightly curved
360-841 stark gebogen / strong curved
360-842 sehr stark gebogen / very strong curved
360-843 90° abgewinkelt / angled 90°

CASPAR

Dissektor, Arbeitlänge 100mm, Gesamtlänge 230mm
Dissector, working length 100mm, total length 230mm

348-9305 abgebogen, 4,5mm breit
curved downwards, width 4,5mm
348-9307 abgebogen 2,0mm breit
curved downwards, width 2,0mm

CASPAR

Mkro Dissektor, Arbeitlänge 100mm, Gesamtlänge 210mm
Micro dissector, working length 100mm, total length 210mm

348-9311 aufgebogen, 1mm breit
curved upwards, width 1mm

SAMII

Tumormesser, Gesamtlänge 230mm
Tumor knife, total length 230mm

348-0510 1,0mm
348-0511 1,5mm
348-0512 2,0mm
348-0513 2,5mm
348-0514 3,0mm
348-0515 3,5mm
348-0516 4,0mm
348-0517 4,5mm
348-0518 5,0mm

RHOTON
kompletter Satz bestehend aus 19 Instrumenten und Sotiergestell
Set complete consisting of 19 micro-instruments and rack

365-001-00
365-001-00T Titan, Titanium

Dissektor, 45° abgewinkelt, rund Ø 1mm, Gesamtlänge 190mm
Dissector, angled 45°, round, Ø 1mm, total length 190mm

365-001-01
365-001-01T Titan, Titanium

Dissektor, 45° abgewinkelt, rund Ø 2mm, Gesamtlänge 190mm
Dissector, angled 45°, round, Ø 2mm, total length 190mm

365-001-02
365-001-02T Titan, Titanium

Dissektor, 45° abgewinkelt, rund Ø 3mm, Gesamtlänge 190mm
Dissector, angled 45°, round, Ø 3mm, total length 190mm

365-001-03
365-001-03T Titan, Titanium

Elevatorium, abgewinkelt, 1,2mm breit, Gesamtlänge 190mm
Elevator, angled, width 1,2mm, total length 190mm

365-001-04
365-001-04T Titan, Titanium

Elevatorium, gebogen, 2,8mm breit, Gesamtlänge 190mm
Elevator, curved, width 2,8mm, total length 190mm

365-001-05
365-001-05T Titan, Titanium

Spatel-Dissektor, 1,0mm breit, Gesamtlänge 190mm
Spatula-Dissector, width 1,0mm, total length 190mm

365-001-06
365-001-06T Titan, Titanium

Spatel-Dissektor, 1,5mm breit, Gesamtlänge 190mm
Spatula-Dissector, width 1,5mm, total length 190mm

365-001-07
365-001-07T Titan, Titanium

Spatel-Dissektor, 2,0mm breit, Gesamtlänge 190mm
Spatula-Dissector, width 2,0mm, total length 190mm

365-001-08
365-001-08T Titan, Titanium

Häkchen, 90° abgewinkelt, 2mm, halbscharf, Gesamtlänge 190mm
Hook, angled 90°, semi-sharp, total length 190mm

365-001-09
365-001-09T Titan, Titanium

Häkchen, 90° abgewinkelt, 2mm, stumpf, Gesamtlänge 190mm
Hook, angled 90°, 2mm, blunt, total length 190mm

365-001-10
365-001-10T Titan, Titanium

Häkchen, 45° abgewinkelt, 3mm, halbscharf, Gesamtlänge 190mm
Hook, angled 45°, 3mm, semi-sharp, total length 190mm

365-001-11
365-001-11T Titan, Titanium

Nadel, gerade, spitz, Gesamtlänge 190mm
Needle, straight, sharp, total length 190mm

365-001-12
365-001-12T Titan, Titanium

scharfer Löffel, gerade, 1x2mm oval, Gesamtlänge 190mm
Curette, straight, 1x2mm oval, total length 190mm

365-001-13
365-001-13T Titan, Titanium

scharfer Löffel, abgewinkelt, 1x2mm oval, Gesamtlänge 190mm
Curette, angled, 1x2mm oval, total length 190mm

365-001-14
365-001-14T Titan, Titanium

Kugel-Dissektor, gerade, Gesamtlänge 190mm
Ball-dissector straight, total length 190mm

365-001-15
365-001-15T Titan, Titanium

Kugel Dissektor, 90° abgewinkelt, 3mm, Gesamtlänge 190mm
Ball-dissector, angled 90°, 3mm, total length 190mm

365-001-16
365-001-16T Titan, Titanium

Kugel-Dissektor, 90° abgewinkelt, 5mm, Gesamtlänge 190mm
Ball-dissector, angled 90°, 5mm, total length 190mm

365-001-17
365-001-17T Titan, Titanium

Kugel-Dissektor, 40° abgewinkelt, 4mm, Gesamtlänge 190mm
Ball-dissector, angled 40°, 4mm, total length 190mm

365-001-18
365-001-18T Titan, Titanium

Kugel-Dissektor, 40° abgewinkelt, 8mm, Gesamtlänge 190mm
Ball-dissector, angled 40°, 8mm, total length 190mm

365-001-19
365-001-19T Titan, Titanium

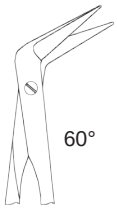
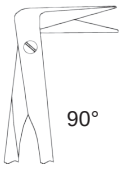
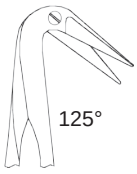
MIKRODISSEKTOMIE KÜRETTE
MICRODISSECTOMY CURETTE
CURETAS PARA MICRODISECTOMIA
CURETTES POUR MICRODISSECTOMIE

cervicale Mikrodisektomie Kürette
cervical micro disectomy curette

	Länge length longitud longueur	Fig.0 3,0mm	Fig.00 2,7mm	Fig.000 2,4mm	Fig.0000 1,6mm
vorwärts, gerade forward, straight	210mm	**360-700-21**	**360-701-21**	**360-702-21**	**360-703-21**
	240mm	**360-700-24**	**360-701-24**	**360-702-24**	**360-703-24**
vorwärts, abgewinkelt forward, angled	210mm	**360-710-21**	**360-711-21**	**360-712-21**	**360-713-21**
	240mm	**360-710-24**	**360-711-24**	**360-712-24**	**360-713-24**
rückwärts, gerade backward, straight	210mm	**360-720-21**	**360-721-21**	**360-722-21**	**360-723-21**
	240mm	**360-720-24**	**360-721-24**	**360-722-24**	**360-723-24**
rückwärts, abgewinkelt backward, angled	210mm	**360-730-21**	**360-731-21**	**360-732-21**	**360-733-21**
	240mm	**360-730-24**	**360-731-24**	**360-732-24**	**360-733-24**

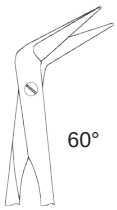
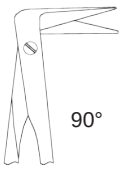
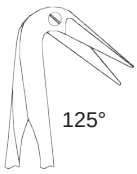
lumbale Mikrodisektomie Kürette
lumbalr micro disectomy curette

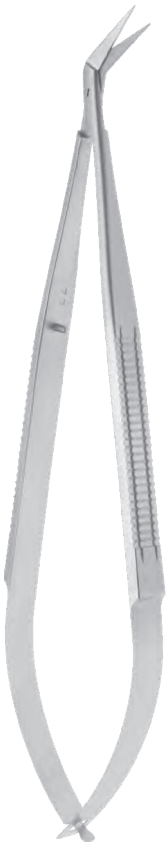
	Länge length longitud longueur	Fig.0 3,0mm	Fig.1 3,5mm	Fig.2 4,0mm
vorwärts, gerade forward, straight	240mm	**360-740-24**	**360-741-24**	**360-742-24**
vorwärts, abgewinkelt forward, up angled	240mm	**360-750-24**	**360-751-24**	**360-752-24**
vorwärts, abwärts foward, down angled	240mm	**360-760-24**	**360-761-24**	**360-762-24**
rückwärts, gerade backward, straight	240mm	**360-770-24**	**360-771-24**	**360-772-24**
rückwärts, abgewinkelt backward, angled	240mm	**360-780-24**	**360-781-24**	**360-782-24**
rückwärts, abwärts backward, down angled	240mm	**360-790-24**	**360-791-24**	**360-792-24**

Blatt blade hojas lame					
geknöpft, 14mm probepointed, 14mm abotonado, 14mm boutonnée, 14mm	**126-021**	**126-023**	**126-025**	**126-027**	**126-029**
Standard, 14mm standard, 14mm estándar, 14mm standard,14mm	**126-031**	**126-033**	**126-035**	**126-037**	**126-039**
fein, 10mm delicate, 10mm fina, 10mm fine, 10mm	**126-041**	**126-043**	**126-045**	**126-047**	**126-049**
sehr fein, 7mm very delicate, 7mm muy fina, 7mm trés fine, 7mm	**126-051**	**126-053**	**126-055**	**126-057**	**126-059**

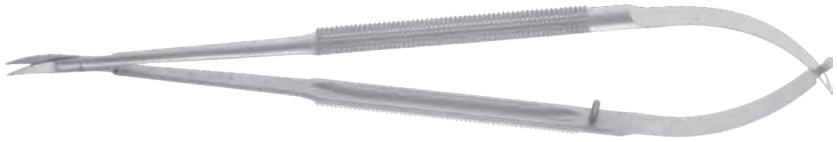
Griff ø 8mm
handle ø 8mm
mango ø 8mm
poignée ø 8mm

180mm, 7“

Blatt blade lame hojas					
geknöpft, 14mm probepointed, 14mm abotonado, 14mm boutonnée, 14mm	**126-061**	**126-063**	**126-065**	**126-067**	**126-069**
Standard, 14mm standard, 14mm estándar, 14mm standard,14mm	**126-071**	**126-073**	**126-075**	**126-077**	**126-079**
fein, 10mm delicate, 10mm fina, 10mm fine, 10mm	**126-081**	**126-083**	**126-085**	**126-087**	**126-089**
sehr fein, 7mm very delicate, 7mm muy fina, 7mm trés fine, 7mm	**126-091**	**126-093**	**126-095**	**126-097**	**126-099**



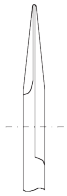
180mm, 7“



Blattlänge length of blade largo de la hoja longueur lame	10mm, spitz 10mm, sharp 10mm, punta 10mm, pointu	10mm, spitz 10mm, sharp 10mm, punta 10mm, pointu	10mm, stumpf 10mm, stumpf 10mm, romo 10mm, mousse	10mm, stumpf 10mm, stumpf 10mm, romo 10mm, mousse	14mm, spitz 14mm, sharp 14mm, punta 14mm, pointu	14mm, spitz 14mm, sharp 14mm, punta 14mm, pointu	14mm, stumpf 14mm, stumpf 14mm, romo 14mm, mousse	14mm, stumpf 14mm, stumpf 14mm, romo 14mm, mousse
Gesamtlänge total length longitud total longueur totale	gerade straight recta droite	gebogen curved curva courbée	gerade straight recta droite	gebogen curved curva courbée	gerade straight recta droite	gebogen curved curva courbée	gerade straight recta droite	gebogen curved curva courbée
150mm	**127-100-15**	**127-101-15**	**127-102-15**	**127-103-15**	**127-140-15**	**127-141-15**	**127-142-15**	**127-143-15**
180mm	**127-100-18**	**127-101-18**	**127-102-18**	**127-103-18**	**127-140-18**	**127-141-18**	**127-142-18**	**127-143-18**
210mm	**127-100-21**	**127-101-21**	**127-102-21**	**127-103-21**	**127-140-21**	**127-141-21**	**127-142-21**	**127-143-21**
230mm	**127-100-23**	**127-101-23**	**127-102-23**	**127-103-23**	**127-140-23**	**127-141-23**	**127-142-23**	**127-143-23**

mit gedrehtem Schluss
streamlined

Blattlänge length of blade largo de la hoja longueur lame	10mm, spitz 10mm, sharp 10mm, punta 10mm, pointu	10mm, spitz 10mm, sharp 10mm, punta 10mm, pointu	10mm, stumpf 10mm, stumpf 10mm, romo 10mm, mousse	10mm, stumpf 10mm, stumpf 10mm, romo 10mm, mousse	14mm, spitz 14mm, sharp 14mm, punta 14mm, pointu	14mm, spitz 14mm, sharp 14mm, punta 14mm, pointu	14mm, stumpf 14mm, stumpf 14mm, romo 14mm, mousse	14mm, stumpf 14mm, stumpf 14mm, romo 14mm, mousse
Gesamtlänge total length longitud total longueur totale	gerade straight recta droite	gebogen curved curva courbée	gerade straight recta droite	gebogen curved curva courbée	gerade straight recta droite	gebogen curved curva courbée	gerade straight recta droite	gebogen curved curva courbée
150mm	**127-600-16**	**127-601-16**	**127-602-16**	**127-603-16**	**127-640-16**	**127-641-16**	**127-642-16**	**127-643-16**
180mm	**127-600-18**	**127-601-18**	**127-602-18**	**127-603-18**	**127-640-18**	**127-641-18**	**127-642-18**	**127-643-18**
210mm	**127-600-21**	**127-601-21**	**127-602-21**	**127-603-21**	**127-640-21**	**127-641-21**	**127-642-21**	**127-643-21**
230mm	**127-600-23**	**127-601-23**	**127-602-23**	**127-603-23**	**127-640-23**	**127-641-23**	**127-642-23**	**127-643-23**

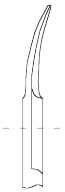


127-700
165mm, 6 1/2“

127-701
165mm, 6 1/2“

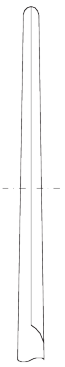
127-702
200mm, 8“

127-703
200mm, 8“



127-705
200mm, 8“

YASARGIL
127-700 - 127-705



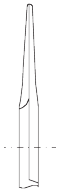
127-710
200mm, 8“

127-711
200mm, 8“

YASARGIL
127-710 - 127-711

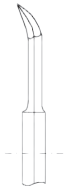
127-730
225mm, 9“

127-731
225mm, 9“

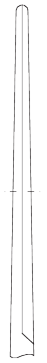


127-730Z
225mm, 9“
gezahnt
serrated
dentada
dentelées

127-748
225mm, 9“



127-749
225mm, 9“



127-740
225mm, 9“

127-741
225mm, 9“

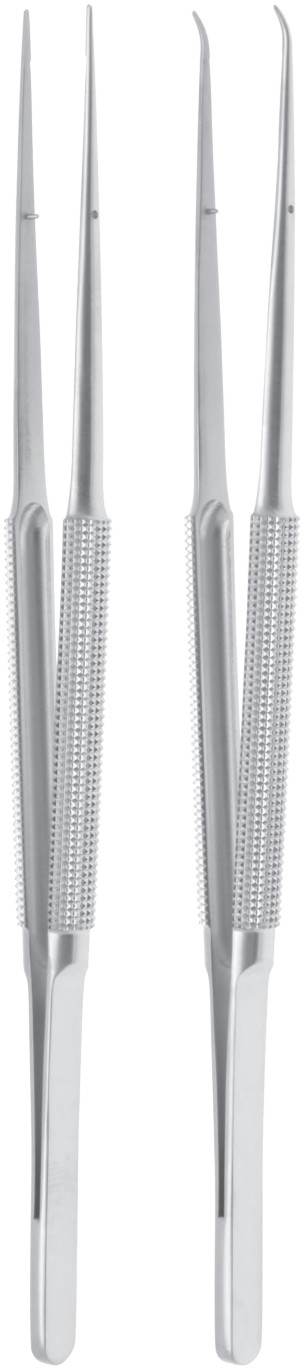
127-736
245mm, 9 3/4“

127-737
245mm, 9 3/4“

YASARGIL
127-730 - 127-749

ELCON
MICRO

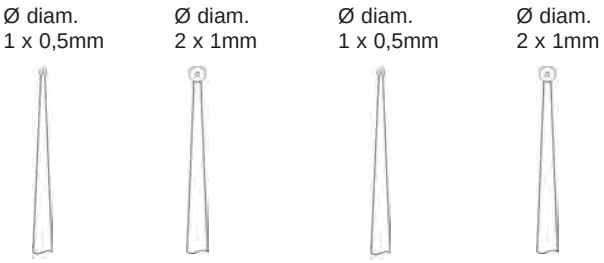
MIKRO PINZETTEN
MICRO FORCEPS
MICRO PINZAS
MICRO-PINCES



	Länge length longitud longueur	0,3mm ohne Fadenplatte without platform sin plataforma sans plateau		0,3x6mm mit Fadenplatte with platform con plataforma avec plateau		0,3x6mm mit Fadenplatte with platform con plataforma avec plateau	
	150mm 6“	**143-300**	**143-301**	**143-302**	**143-303**	**143-304**	**143-305**
	180mm 7“	**143-310**	**143-311**	**143-312**	**143-313**	**143-314**	**143-315**
	210mm 8 1/4“	**143-320**	**143-321**	**143-322**	**143-323**	**143-324**	**143-325**
	230mm 9“	**143-330**	**143-331**	**143-332**	**143-333**	**143-334**	**143-335**
Maul diamantiert Jaws diamond dusted boca diamantada mors diamanté	150mm 6“	**143-300D**	**143-301D**	**143-302D**	**143-303D**	**143-304D**	**143-305D**
	180mm 7“	**143-310D**	**143-311D**	**143-312D**	**143-313D**	**143-314D**	**143-315D**
	210mm 8 1/4“	**143-320D**	**143-321D**	**143-322D**	**143-323D**	**143-324D**	**143-325D**
	230mm 9“	**143-330D**	**143-331D**	**143-332D**	**143-333D**	**143-334D**	**143-335D**
	Auch aus Titan lieferbar, Also available from titanium Tambien suministrable en titanio, Aussi livrable en titane						

	Länge length longitud longueur	0,7mm ohne Fadenplatte without platform sin plataforma sans plateau		0,7x6mm mit Fadenplatte with platform con plataforma avec plateau		0,7x6mm mit Fadenplatte with platform con plataforma avec plateau	
	150mm 6“	**143-340**	**143-341**	**143-342**	**143-343**	**143-344**	**143-345**
	180mm 7“	**143-350**	**143-351**	**143-352**	**143-353**	**143-354**	**143-355**
	210mm 8 1/4“	**143-360**	**143-361**	**143-362**	**143-363**	**143-364**	**143-365**
	230mm 9“	**143-370**	**143-371**	**143-372**	**143-373**	**143-374**	**143-375**
Maul diamantiert Jaws diamond dusted boca diamantada mors diamanté	150mm 6“	**143-340D**	**143-341D**	**143-342D**	**143-343D**	**143-344D**	**143-345D**
	180mm 7“	**143-350D**	**143-351D**	**143-352D**	**143-353D**	**143-354D**	**143-355D**
	210mm 8 1/4“	**143-360D**	**143-361D**	**143-362D**	**143-363D**	**143-364D**	**143-365D**
	230mm 9“	**143-370D**	**143-371D**	**143-372D**	**143-373D**	**143-374D**	**143-375D**
	Auch aus Titan lieferbar, Also available from titanium Tambien suministrable en titanio, Aussi livrable en titane						

Länge, length largo, longeur mm, inch.	glatt smooth lisa lisses	glatt smooth lisa lisses	1x2 Zähne 1x2 teeth 1x2 dientes 1x2 griffes	glatt smooth lisa lisses	glatt smooth lisa lisses	gerieft serrated estriado striée	gerieft serrated estriado striée
200mm, 8“	**143-802**	**143-812**					
225mm, 9“	**143-804**	**143-814**	**143-820**	**143-830**	**143-840**	**143-832**	**143-842**
240mm, 9 1/2“	**143-806**	**143-816**					
Maul diamantiert = D hinter der Kat. Nr. jaws diamond dusted = D behind Cat. No. boca diamentado = D tras del código mors diamanté = D aprés le numero							
Auch aus Titan lieferbar, Also available from Titan Tambien suministrable en titanio, Aussi livrable en titane							



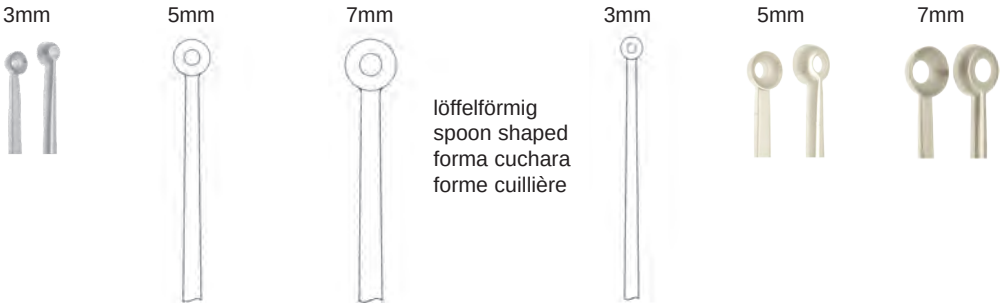
Länge, length largo, longeur mm, inch.	glatt smooth lisa lisses	glatt smooth lisa lisses	gerieft serrated estriado striée	gerieft serrated estriado striée
150mm, 6“	**143-400**	**143-410**	**143-420**	**143-430**
180mm, 7“	**143-402**	**143-412**	**143-422**	**143-432**
210mm, 8 1/4“	**143-404**	**143-414**	**143-424**	**143-434**
230mm, 9“	**143-406**	**143-416**	**143-426**	**143-436**
Maul diamantiert = D hinter der Kat. Nr. jaws diamond dusted = D behind Cat. No. boca diamentado = D tras del código mors diamanté = D aprés le numero				
Auch aus Titan lieferbar, Also available from Titan Tambien suministrable en titanio, Aussi livrable en titane				

HUNT
143-975
200mm, 8“

143-963 **143-965**
143-964 **143-966**

YASARGIL
143-963 200mm, 8“ **143-965**
143-964 225mm, 87/8“ **143-966**

HUNT
143-971
200mm, 8“



YASARGIL - SAMII

143-903
240mm, 9 1/2“

143-905
240mm, 9 1/2“

143-907
240mm, 9 1/2“

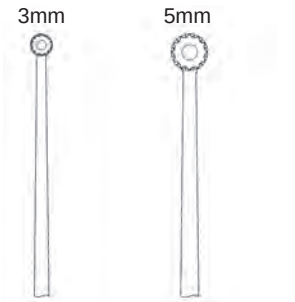
YASARGIL
143-913
225mm, 8 7/8“

YASARGIL
143-915
225mm, 8 7/8“

YASARGIL
143-917
225mm, 8 7/8“

YASARGIL
143-923
225mm, 8 7/8“

YASARGIL
143-925
225mm, 8 7/8“



HEIFETZ
143-933
225mm, 8 7/8“

HEIFETZ
143-935
225mm, 8 7/8“

	Länge length longitud longueur	1,2mm breit width 1,2mm anchura 1,2mm largeur 1,2mm Grip 0,3mm	1,2mm breit width 1,2mm anchura 1,2mm largeur 1,2mm Grip 0,3mm	1,5mm breit width 1,5mm anchura 1,5mm largeur 1,5mm Grip 0,3mm	1,5mm breit width 1,5mm anchura 1,5mm largeur 1,5mm Grip 0,3mm	1,8mm breit width 1,8mm anchura 1,8mm largeur 1,8mm Grip 0,3mm	1,8mm breit width 1,8mm anchura 1,8mm largeur 1,8mm Grip 0,3mm
mit Sperre with lock con cremallera avec crémaillère	150mm	**200-720-15**	**200-721-15**	**200-722-15**	**200-723-15**	**200-724-15**	**200-725-15**
	180mm	**200-720-18**	**200-721-18**	**200-722-18**	**200-723-18**	**200-724-18**	**200-725-18**
	210mm	**200-720-21**	**200-721-21**	**200-722-21**	**200-723-21**	**200-724-21**	**200-725-21**
	230mm	**200-720-23**	**200-721-23**	**200-722-23**	**200-723-23**	**200-724-23**	**200-725-23**
ohne Sperre without ratchet sin cremallera sans crémaillère	150mm	**200-760-15**	**200-761-15**	**200-762-15**	**200-763-15**	**200-764-15**	**200-765-15**
	180mm	**200-760-18**	**200-761-18**	**200-762-18**	**200-763-18**	**200-764-18**	**200-765-18**
	210mm	**200-760-21**	**200-761-21**	**200-762-21**	**200-763-21**	**200-764-21**	**200-765-21**
	230mm	**200-760-23**	**200-761-23**	**200-762-23**	**200-763-23**	**200-764-23**	**200-765-23**

	Länge length longitud longueur	1,2mm breit width 1,2mm anchura 1,2mm largeur 1,2mm	1,2mm breit width 1,2mm anchura 1,2mm largeur 1,2mm	1,5mm breit width 1,5mm anchura 1,5mm largeur 1,5mm	1,5mm breit width 1,5mm anchura 1,5mm largeur 1,5mm	1,8mm breit width 1,8mm anchura 1,8mm largeur 1,8mm	1,8mm breit width 1,8mm anchura 1,8mm largeur 1,8mm
mit Sperre with lock con cremallera avec crémaillère	150mm	**200-730-15**	**200-731-15**	**200-732-15**	**200-733-15**	**200-734-15**	**200-735-15**
	180mm	**200-730-18**	**200-731-18**	**200-732-18**	**200-733-18**	**200-734-18**	**200-735-18**
	210mm	**200-730-21**	**200-731-21**	**200-732-21**	**200-733-21**	**200-734-21**	**200-735-21**
	230mm	**200-730-23**	**200-731-23**	**200-732-23**	**200-733-23**	**200-734-23**	**200-735-23**
ohne Sperre without ratchet sin cremallera sans crémaillère	150mm	**200-770-15**	**200-771-15**	**200-772-15**	**200-773-15**	**200-774-15**	**200-775-15**
	180mm	**200-770-18**	**200-771-18**	**200-772-18**	**200-773-18**	**200-774-18**	**200-775-18**
	210mm	**200-770-21**	**200-771-21**	**200-772-21**	**200-773-21**	**200-774-21**	**200-775-21**
	230mm	**200-770-23**	**200-771-23**	**200-772-23**	**200-773-23**	**200-774-23**	**200-775-23**

ELCON
MICRO

MIKRO NADELHALTER
MICRO NEEDLE HOLDERS
MICRO PORTA AGUJAS
MICRO PORTE-AIGUILLE

	Länge length longitud longueur	Grip 0,2mm	Grip 0,2mm		
mit Sperre with lock con cremallera avec crémaillère	140mm	**200-610**	**200-612**	**200-611**	**200-613**

	Länge length longitud longueur	Grip 0,3mm	Grip 0,3mm		
mit Sperre with lock con cremallera avec crémaillère	180mm	**200-642**	**200-643**	**200-646**	**200-647**
	210mm	**200-652**	**200-653**	**200-656**	**200-657**
	225mm	**200-662**	**200-663**	**200-666**	**200-667**
ohne Sperre without ratchet sin cremallera sans crémaillère	180mm	**200-640**	**200-641**	**200-644**	**200-645**
	210mm	**200-650**	**200-651**	**200-654**	**200-655**
	225mm	**200-660**	**200-661**	**200-664**	**200-665**

	Länge length longitud longueur				
ohne Sperre without ratchet sin cremallera sans crémaillère	200mm	**207-700**	**200-701**	**207-702**	**207-703**
	225mm	**207-710**	**200-711**	**207-712**	**207-713**
	240mm	**207-720**	**207-721**	**207-722**	**207-723**
Maul diamantiert, jaws diamond dusted, boca diamantada, mors diamantè					
ohne Sperre without ratchet sin cremallera sans crémaillère	200mm	**207-700D**	**200-701D**	**207-702D**	**207-703D**
	225mm	**207-710D**	**207-711D**	**207-712D**	**207-713D**
	240mm	**207-720D**	**207-721D**	**207-722D**	**207-723D**

	ohne Sperre, without ratchet, sin cremallera, sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
Länge length longitud longueur	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm
150mm, 6“	**207-300**	**207-301**	**207-304**	**207-305**	**207-302**	**207-303**	**207-306**	**207-307**
180mm, 7“	**207-310**	**207-311**	**207-314**	**207-315**	**207-312**	**207-313**	**207-316**	**207-317**
210mm, 8 1/4“			**207-324**	**207-325**			**207-326**	**207-327**
230mm, 9“			**207-334**	**207-335**			**207-336**	**207-337**
	Maul diamantiert, jaws diamond dusted, boca diamantada, mors diamantè							
	ohne Sperre, without ratchet, sin cremallera, sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
150mm, 6“	**207-300D**	**207-301D**	**207-304D**	**207-305D**	**207-302D**	**207-303D**	**207-306D**	**207-307D**
180mm, 7“	**207-310D**	**207-311D**	**207-314D**	**207-315D**	**207-312D**	**207-313D**	**207-316D**	**207-317D**
210mm, 8 1/4“			**207-324D**	**207-325D**			**207-326D**	**207-327D**
230mm, 9“			**207-334D**	**207-335D**			**207-336D**	**207-337D**

**TITAN Micro Nadelhalter, TITANIUM Micro Needle Holders,
Micro-porta agujas en TITANIO, Micro porte aiguille en TITANE**

	ohne Sperre, without ratchet, sin cremallera,sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
Länge length longitud longueur	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm
150mm, 6“	**207-300T**	**207-301T**	**207-304T**	**207-305T**	**207-302T**	**207-303T**	**207-306T**	**207-307T**
180mm, 7“	**207-310T**	**207-311T**	**207-314T**	**207-315T**	**207-312T**	**207-313T**	**207-316T**	**207-317T**
210mm, 8 1/4“			**207-324T**	**207-325T**			**207-326T**	**207-327T**
	Maul diamantiert, jaws diamond dusted, boca diamantada, mors diamantè							
	ohne Sperre, without ratchet, sin cremallera,sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
150mm, 6“	**207-300TD**	**207-301TD**	**207-304TD**	**207-305TD**	**207-302TD**	**207-303TD**	**207-306TD**	**207-307TD**
180mm, 7“	**207-310TD**	**207-311TD**	**207-314TD**	**207-315TD**	**207-312TD**	**207-313TD**	**207-316TD**	**207-317TD**
210mm, 8 1/4“			**207-324TD**	**207-325TD**			**207-326TD**	**207-327TD**

ELCON
MICRO

MIKRO NADELHALTER
MICRO NEEDLE HOLDERS
MICRO PORTA AGUJAS
MICRO PORTE-AIGUILLE

mit gedrehtem Schluss
streamlined

	ohne Sperre, without ratchet, sin cremallera, sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
Länge length longitud longueur	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm
150mm, 6“	**207-100**	**207-101**	**207-104**	**207-105**	**207-102**	**207-103**	**207-106**	**207-107**
180mm, 7“	**207-120**	**207-121**	**207-124**	**207-125**	**207-122**	**207-123**	**207-126**	**207-127**
210mm, 8 1/4“			**207-134**	**207-135**			**207-136**	**207-137**
230mm, 9“			**207-144**	**207-145**			**207-146**	**207-147**
	Maul diamantiert, jaws diamond dusted, boca diamantada, mors diamantè							
	ohne Sperre, without ratchet, sin cremallera, sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
150mm, 6“	**207-100D**	**207-101D**	**207-104D**	**207-105D**	**207-102D**	**207-103D**	**207-106D**	**207-107D**
180mm, 7“	**207-120D**	**207-121D**	**207-124D**	**207-125D**	**207-122D**	**207-123D**	**207-126D**	**207-207D**
210mm, 8 1/4“			**207-134D**	**207-135D**			**207-136D**	**207-137D**
230mm, 9“			**207-144D**	**207-145D**			**207-146D**	**207-147D**

TITAN Micro Nadelhalter, TITANIUM Micro Needle Holders, Micro-porta agujas en TITANIO, Micro porte aiguille en TITANE								
	ohne Sperre, without ratchet, sin cremallera,sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
Länge length longitud longueur	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm	11x0,4mm	11x0,4mm	11x0,8mm	11x0,8mm
150mm, 6“	**207-100T**	**207-101T**	**207-104T**	**207-105T**	**207-102T**	**207-103T**	**207-106T**	**207-107T**
180mm, 7“	**207-120T**	**207-121T**	**207-124T**	**207-125T**	**207-122T**	**207-123T**	**207-126T**	**207-127T**
210mm, 8 1/4“			**207-134T**	**207-135T**			**207-136T**	**207-137T**
	Maul diamantiert, jaws diamond dusted, boca diamantada, mors diamantè							
	ohne Sperre, without ratchet, sin cremallera,sans crémaillère				mit Sperre, with lock, con cremallera, avec crémaillère			
150mm, 6“	**207-100TD**	**207-101TD**	**207-104TD**	**207-105TD**	**207-102TD**	**207-103TD**	**207-106TD**	**207-107TD**
180mm, 7“	**207-120TD**	**207-121TD**	**207-124TD**	**207-125TD**	**207-122TD**	**207-123TD**	**207-126TD**	**207-127TD**
210mm, 8 1/4“			**207-134TD**	**207-135TD**			**207-136TD**	**207-137TD**

4,5mm

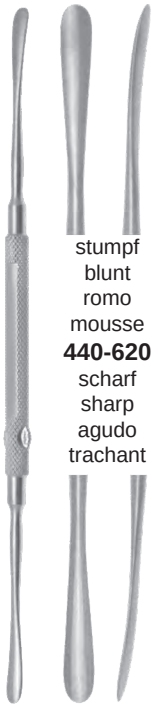
FREER

440-615 scharf, sharp, agudo, aigu

440-616 stumpf, blunt, romo, mousse

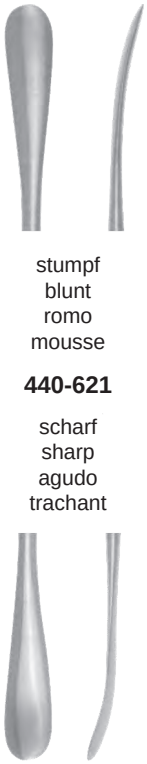
190mm, 7 1/2“

4,5mm



stumpf
blunt
romo
mousse
440-620
scharf
sharp
agudo
trachant

6,5mm

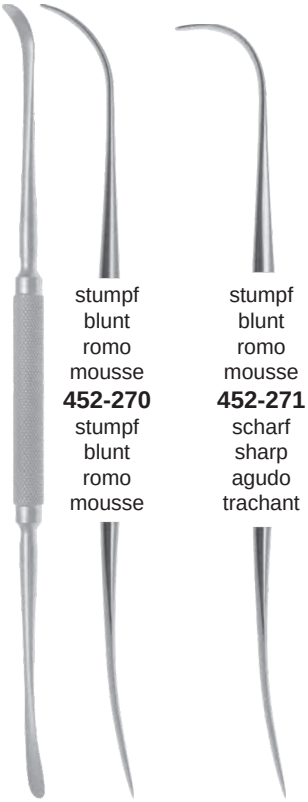


stumpf
blunt
romo
mousse
440-621
scharf
sharp
agudo
trachant

FREER

440-620 185mm, 7 1/4“

440-621 200mm, 8“



stumpf
blunt
romo
mousse
452-270
stumpf
blunt
romo
mousse

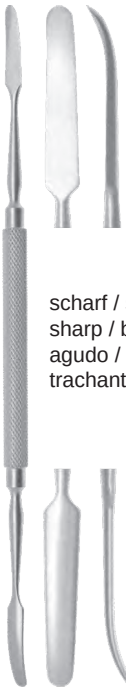
stumpf
blunt
romo
mousse
452-271
scharf
sharp
agudo
trachant

OBWEGGESER-FREER

452-270 210mm, 8 1/4“

452-271 205mm, 8““

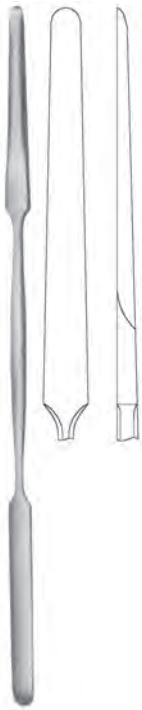
4mm



scharf / stumpf
sharp / blunt
agudo / romo
trachant / mousse

KILLIAN
440-603
180mm, 7“

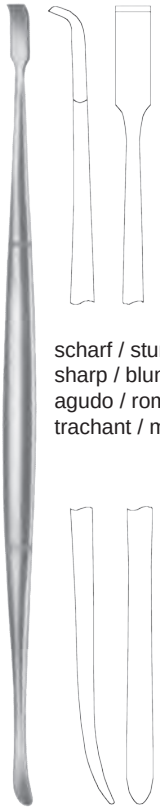
4,5mm



scharf / stumpf
sharp / blunt
agudo / romo
trachant / mousse

KILLIAN
440-602
185mm, 7 1/4“

5,5mm

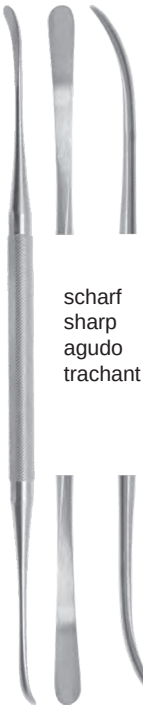


scharf / stumpf
sharp / blunt
agudo / romo
trachant / mousse

4,5mm

HOWARTH
440-626
215mm, 8 1/2“

3mm



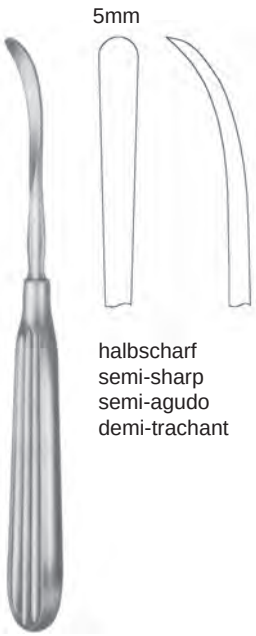
scharf
sharp
agudo
trachant

FREER-YASARGIL
440-627
185mm, 7 1/4“

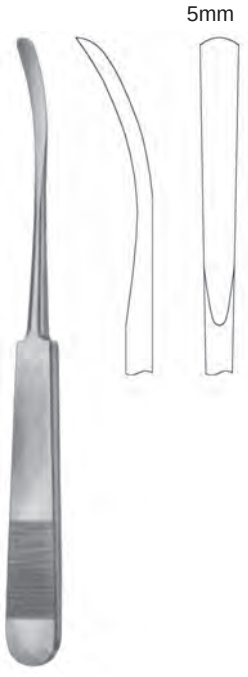
WILLIGER
410-300
130mm, 5“

WILLIGER
410-302
160mm, 6 1/4“

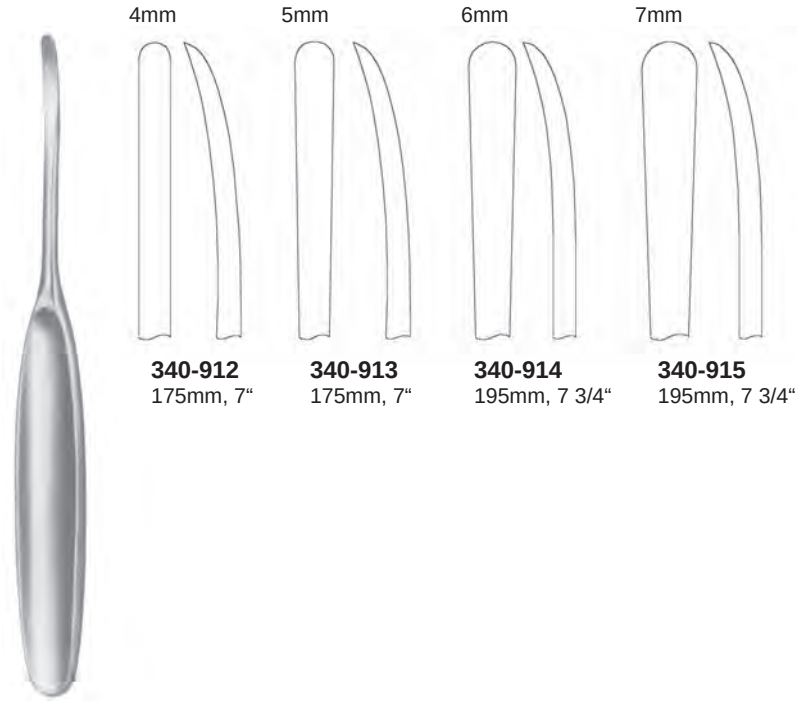
KÖNIG
410-306
155mm, 6“



LOVE-ADSON
340-966
170mm, 6 3/4““



ADSON
340-954
165mm, 6 1/2“



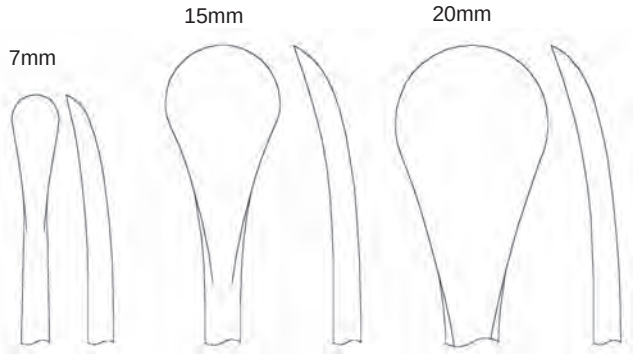
340-912
175mm, 7“

340-913
175mm, 7“

340-914
195mm, 7 3/4“

340-915
195mm, 7 3/4“

CUSHING
340-912 - 340-915



340-950
175mm, 7 1/4“

340-951
185mm, 7 1/4“

340-952
190mm, 7 1/2“

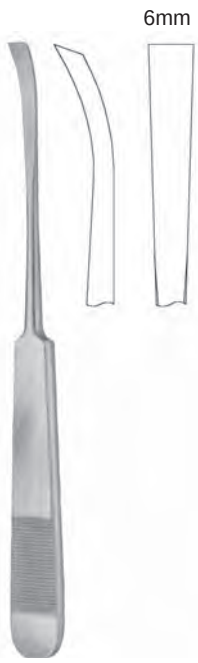
voller Griff
solid handle
mango pleno
manche massive

HOEN
340-950 - 340-952

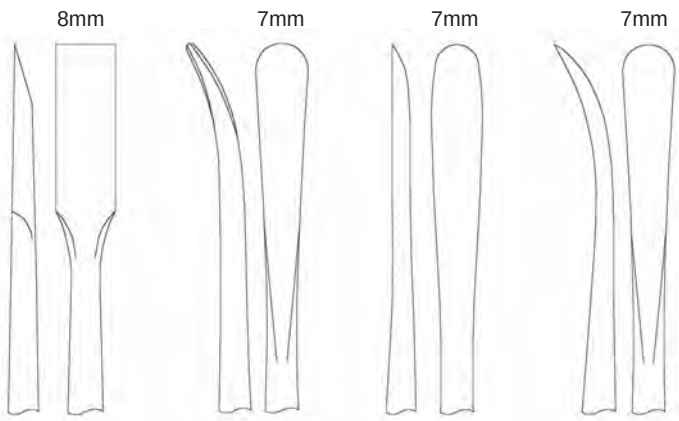
voller Griff
solid handle
mango pleno
manche massive

CUSHING
340-929
170mm, 6 3/4“

CUSHING
340-910
150mm, 6“
(Little Joker)



PENNYBAKER
340-935
165mm, 6 1/2“



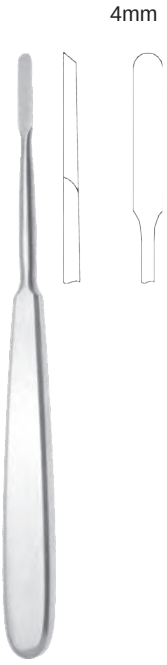
340-960
scharf
sharp
agudo
trachant

340-961
stumpf
blunt
romo
mousse

340-962
halbscharf
semi-sharp
semi-agudo
demi tranchant

340-963
halbscharf
semi-sharp
semi-agudo
demi tranchant

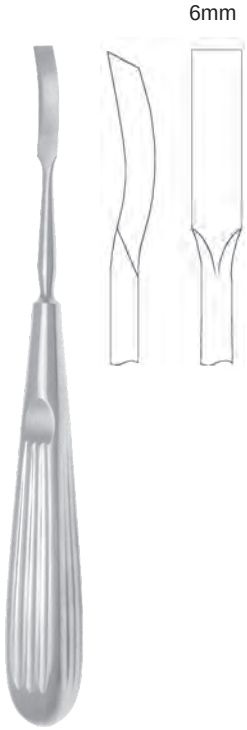
ADSON
340-960 - 340-963
170mm, 6 3/4“



JOSEPH
450-698
160mm, 6 1/4“

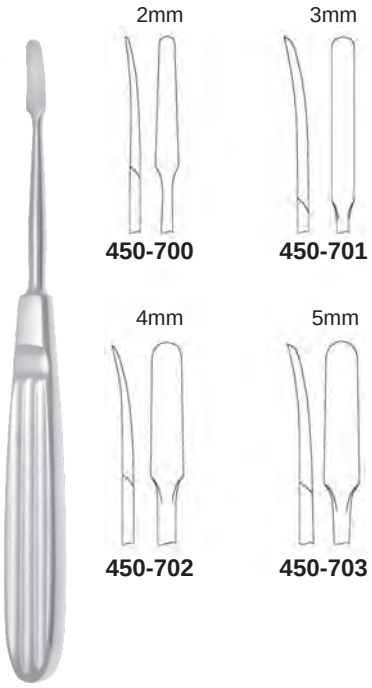
JOSEPH
450-706
160mm, 6 1/4“

JOSEPH
450-707
180mm, 7“

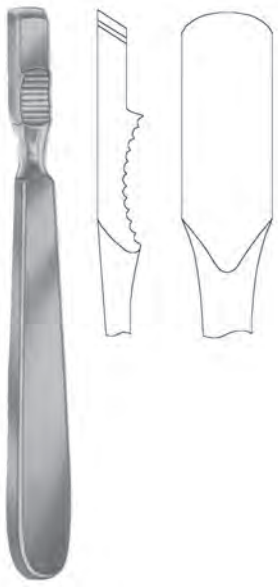


LEMPERT
431-517
180mm, 7“

LEMPERT
431-515
205mm, 8“



LEMPERT
450-700 - 450-703
170mm, 6 3/4“



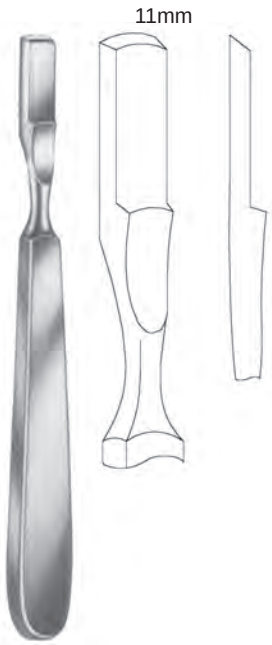
	A mm
410-330-04	4
410-330-06	6
410-330-08	8
410-330-10	10
410-330-12	12
410-330-14	14
410-330-16	16

FARABEUF
410-330-04 - 410-330-16
150mm, 6“

410-331-04
410-331-06
410-331-08
410-331-10
410-331-12
410-331-14
410-331-16

FARABEUF
410-331-04 - 410-331-16
150mm, 6“

MITCHELLS
410-318
210mm, 8 1/4“



FARABEUF-COLLIN
410-336
160mm, 6 1/4“

FARABEUF-COLLIN
410-337
160mm, 6 1/4“

410-320
190mm, 7 1/2“

LAMBOTTE
410-350 5mm
410-351 10mm
410-352 15mm
410-353 20mm
410-354 25mm
215mm, 8 1/2“

410-384
190mm, 7 1/2“

410-385
185mm, 7 1/4“

410-382
185mm, 7 1/4“

410-383
185mm, 7 1/4“

410-388
190mm, 7 1/2“

410-380
200mm, 8“

410-381
190mm, 7 1/2“

410-387
200mm, 8“

COBB
410-144 8mm
410-145 10mm
410-146 12mm
280mm, 11“

COBB
410-147 4mm
410-148 6mm
410-149 8mm
270mm, 10 3/4“

COBB
410-140 10mm
410-141 13mm
410-142 19mm
410-143 25mm
240mm, 9 1/2“

SCHARFE LÖFFEL
BONE CURETTES
CUCHARILLAS CORTANTES
CURETTES TRANCHANTES

2,0mm
0000
441-290

2,3mm
000
441-291

3,0mm
00
441-292

3,4mm
0
441-293

4,0mm
1
441-294

5,5mm
2
441-295

6,2mm
3
441-296

7,0mm
4
441-297

SPRATT
441-290 - 441-297
170mm, 6 3/4“

2,4mm
0000
410-5710

3,2mm
000
410-5711

4,2mm
00
410-5712

5,2mm
0
410-5713

SIMON
410-5710 - 410-5713
240mm, 9 1/2“

2,5mm
000
410-560

3,4mm
00
410-561

4,2mm
0
410-562

5,2mm
1
410-563

6,3mm
2
410-564

7,4mm
3
410-565

8,0mm
4
410-566

SCHEDE
410-560 - 410-566
170mm, 6 3/4“

2,3mm
00
410-450

3,1mm
0
410-451

4,2mm
1
410-452

5,2mm
2
410-453

WILLIGER
410-450 - 410-453
175mm, 7“

2,5mm	3,0mm	3,5mm	4,0mm	5,0mm	6,0mm	8,0mm	9,0mm	10,5mm
000	00	0	1	2	3	4	5	6
410-520	**410-521**	**410-522**	**410-523**	**410-524**	**410-525**	**410-526**	**410-527**	**410-528**
410-530	**410-531**	**410-532**	**410-533**	**410-534**	**410-535**	**410-536**	**410-537**	**410-538**
341-620	**341-621**	**341-622**	**341-623**	**341-624**	**341-625**	**341-626**	**341-627**	**341-628**
341-630	**341-631**	**341-632**	**341-633**	**341-634**	**341-635**	**341-636**	**341-637**	**341-638**

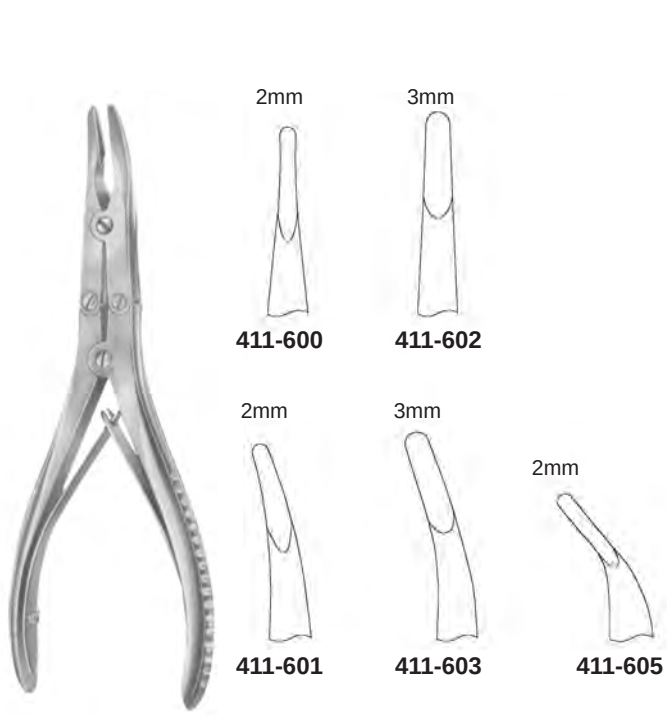
SPINAL
341-620 - 341-628
200mm, 8“

SPINAL
341-630 - 341-638
200mm, 8“

BRUNS
410-520 - 410-528
230mm, 9“

BRUNS
410-530 - 410-538
230mm, 9“

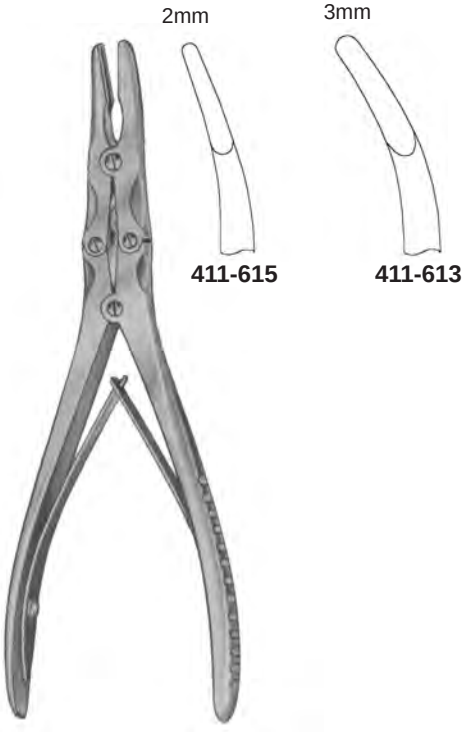
HOHLMEISSELZANGEN
BONE RONGEURS
PINZAS GUBIAS
PINCES-GOUGES



BOEHLER
411-600 - 411-605
150mm, 6”

MAYFIELD
411-611 170mm, 6 ¾”

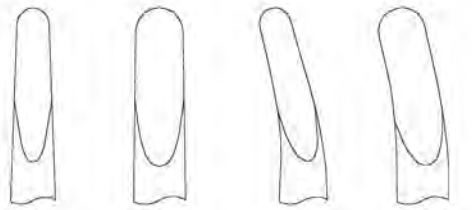
ZAUFAL-JANSEN
411-617 180mm, 7”



BEYER
411-613 - 411-615
180mm, 7”

MARQUART
411-619 200mm, 8”

4mm 6mm 4mm 6mm



411-620 **411-624** **411-621** **411-625**

RUSKIN
411-620 - 411-625
180mm, 7”

5mm

ROETTGEN-RUSKIN
411-631 240mm, 9 1/2”

7mm 7mm

411-632 **411-633**

RUSKIN-STILLE
411-632 - 411-633
240mm, 9 1/2”

STILLE
411-651 230mm, 9”

343-781 **343-783** **343-785**

ECHLIN
343-781 - 343-785
230mm, 9”

411-641-03 **411-641-05**

411-641-08

LEKSELL
411-641-03 3mm
411-641-05 5mm
411-641-08 8mm
230mm, 9”

leicht gebogen
slight curve
curva ligero
courbure légère

411-645-03 **411-645-05**

411-645-08

LEKSELL
411-645-03 3mm
411-645-05 5mm
411-645-08 8mm
230mm, 9”

stark gebogen
full curve
curva intenso
courbure forte

Merkmale des Clip

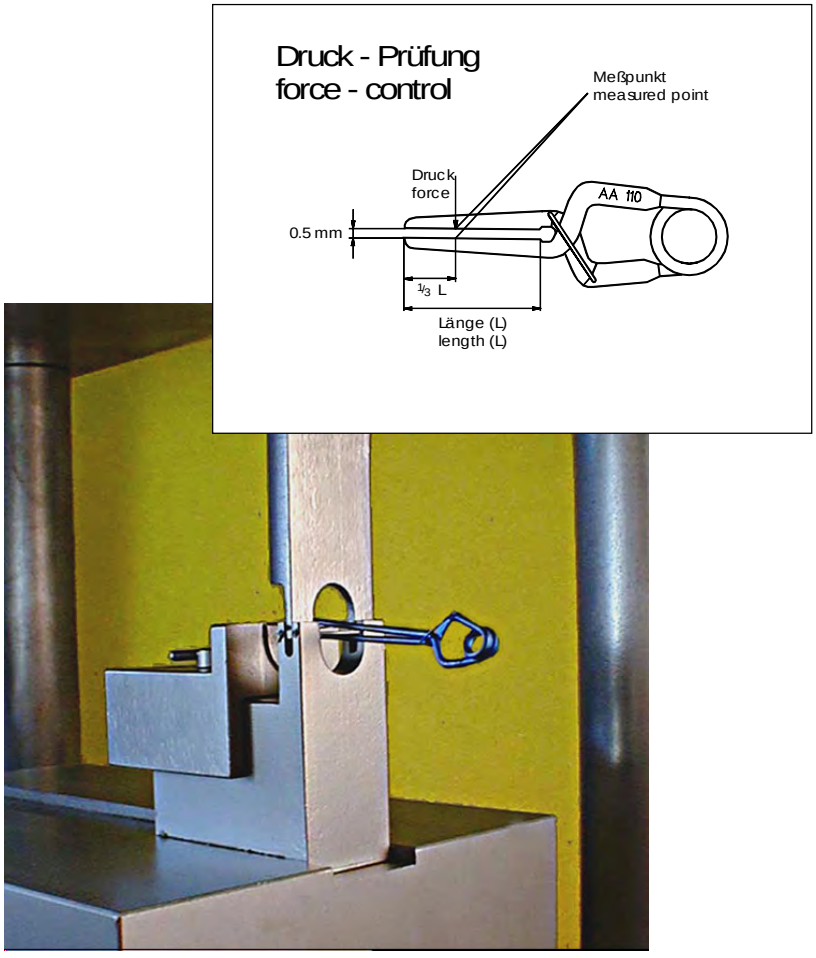
Schließkraft

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

Features of the Clip

Closing - Force

- the closing force is measured at one third of the jaw lenght and an opening of 0.5mm.
- 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 und Qualitätssicherung

Zur Herstellung unserer Aneurysm Clips werden folgende Materialien verwendet:

- Titan - Ti 6Al 4V / DIN ISO 5832-3
- Implantatstahl - 1.4441 / DIN ISO 17443

für beide Materialien treffen folgende Eigenschaften zu:

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

Material and Quality Assurance

Following materials are used for the production of our Aneurysm Clips

- Titan - Ti 6Al 4V / DIN ISO 5832-3
- Implant Steel - 1.4441 / DIN ISO 17443

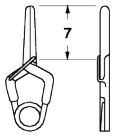
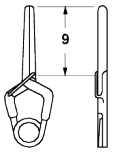
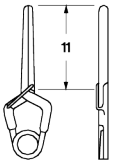
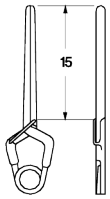
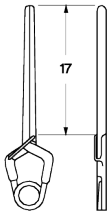
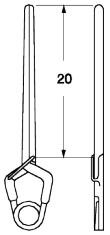
for both materials, the following qualities apply:

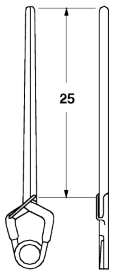
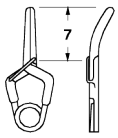
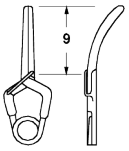
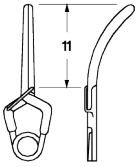
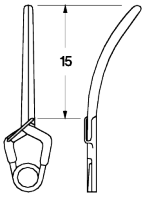
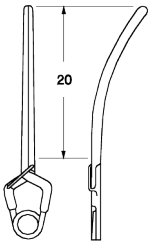
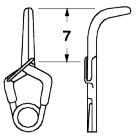
- High mechanical solidity
- Exellent tissue compatibility
- Secure lock of the vessels
- Nonmagnetic
- Suitable in the best possible way as a implant material
- Safety against overstrain

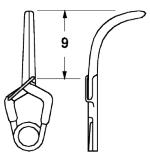
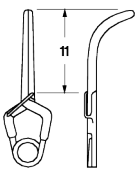
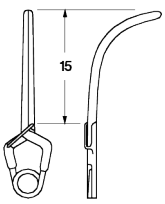
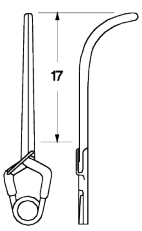
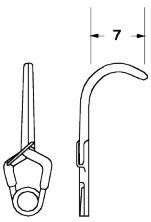
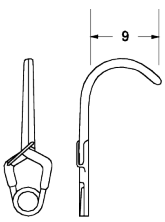
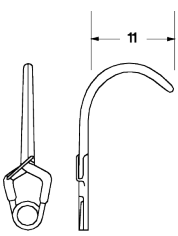
ELCON
MICRO

YASARGIL GEFÄSSCLIPS STANDARD
YASARGIL VESSEL CLIPS STANDARD
YASARGIL CLIPS VASCULARES ESTANDARD
YASARGIL SERRE-FINES STANDARD

für permanenten Verschluß
for permanent closure
para oclusión permanente
pour occlusion permanente

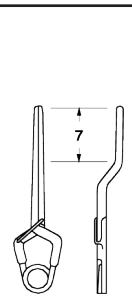
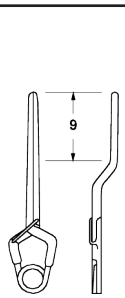
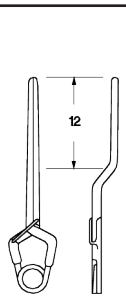
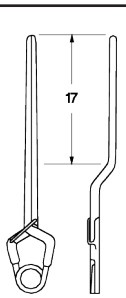
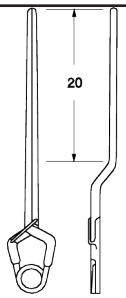
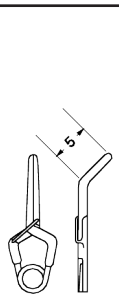
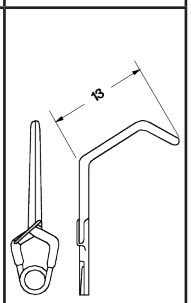
Titan Titanium	367-740T	367-750T	367-760T	367-780T	367-792T	367-790T
Impl. Stahl impl. steel	367-740	367-750	367-760	367-780	367-792	367-790
Form shape						
max. Öffnung max opening	6,2mm	7,0mm	7,8mm	9,2mm	10,6mm	11,4mm
Druck force	150g	180g	180g	200g	200g	200g

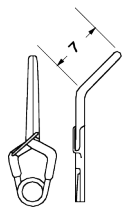
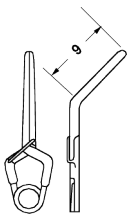
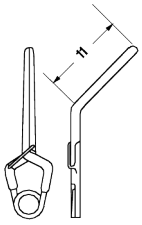
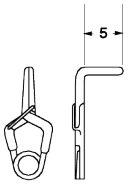
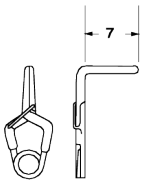
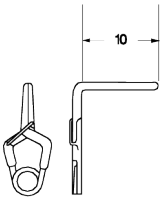
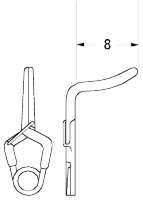
367-840T	367-742T	367-752T	367-762T	367-782T	367-895T	367-744T
367-840	367-742	367-752	367-762	367-782	367-895	367-744
						
13,3mm	6,0mm	6,8mm	7,5mm	8,7mm	11,0mm	5,5mm
200g	150g	180g	180g	200g	200g	150g

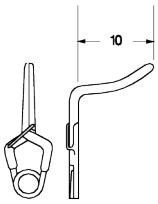
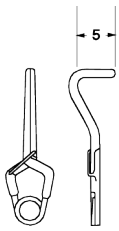
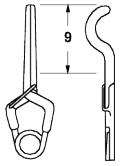
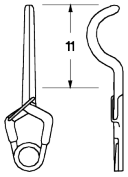
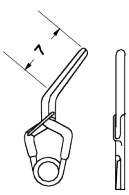
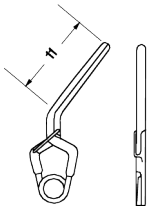
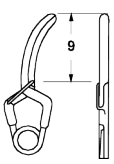
367-754T	367-764T	367-784T	367-896T	367-823T	367-824T	367-825T
367-754	367-764	367-784	367-896	367-823	367-824	367-825
						
6,1mm	6,5mm	7,4mm	9,9mm	5,4mm	5,8mm	6,2mm
180g	180g	200g	200g	180g	180g	180g

ELCON MICRO

für permanenten Verschluß
for permanent closure
para oclusión permanente
pour occlusion permanente

367-748T	367-758T	367-759T	367-797T	367-798T	367-603T	367-897T
367-748	367-758	367-759	367-797	367-798	367-603	367-897
						
7,9mm	8,7mm	10,2mm	11,9mm	13,0mm	6,2mm	7,5mm
200g	200g	200g	180g	180g	200g	200g

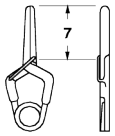
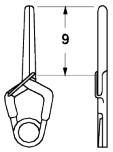
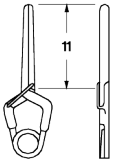
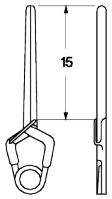
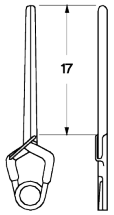
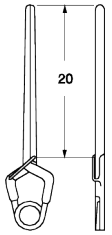
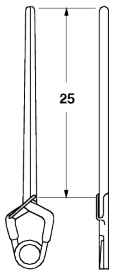
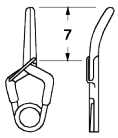
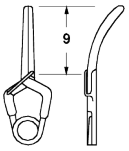
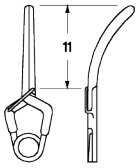
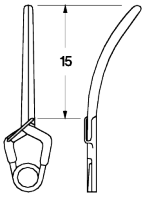
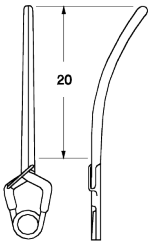
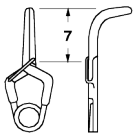
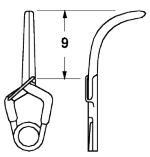
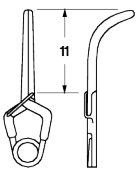
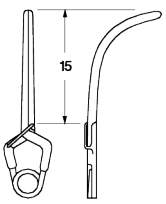
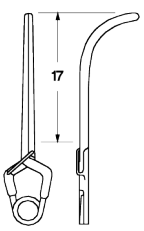
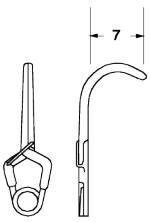
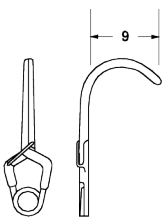
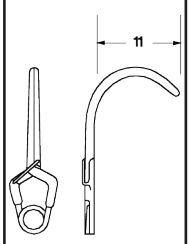
367-613T	367-623T	367-763T	367-819T	367-820T	367-822T	367-850T
367-613	367-623	367-763	367-819	367-820	367-822	367-850
						
6,5mm	7,8mm	8,4mm	5,6mm	5,6mm	5,6mm	5,4mm
200g	200g	200g	200g	200g	200g	200g

367-851T	367-830T	367-832T	367-833T	367-746T	367-761T	367-747T
367-851	367-830	367-832	367-833	367-746	367-761	367-747
						
5,6mm	7,2mm	7,2mm	8,2mm	5,7mm	8,0mm	6,2mm
200g	200g	200g	200g	200g	200g	200g

ELCON
MICRO

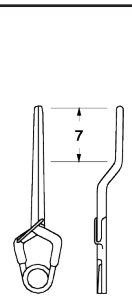
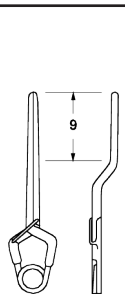
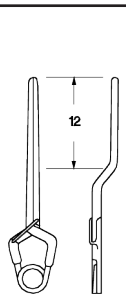
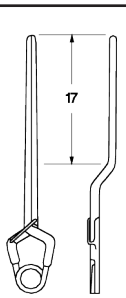
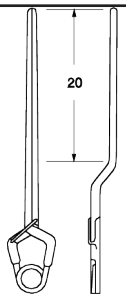
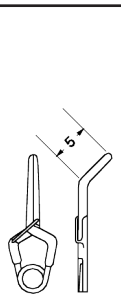
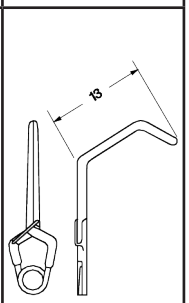
YASARGIL GEFÄSSCLIPS STANDARD
YASARGIL VESSEL CLIPS STANDARD
YASARGIL CLIPS VASCULARES ESTANDARD
YASARGIL SERRE-FINES STANDARD

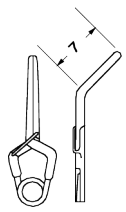
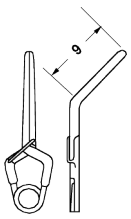
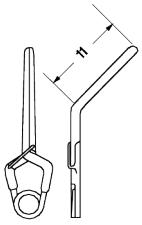
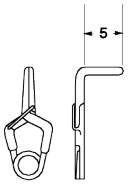
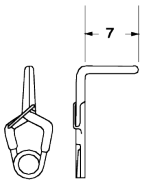
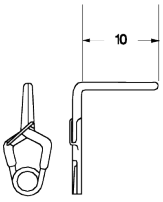
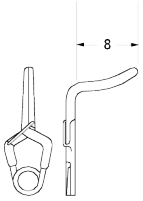
für temporären Verschluß
for temporary closure
para oclusión temporal
pour occlusion temporaire

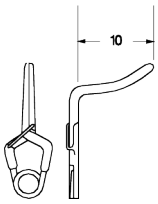
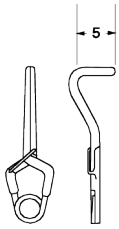
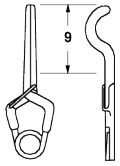
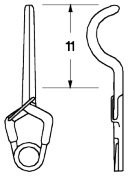
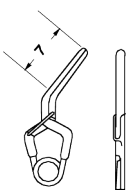
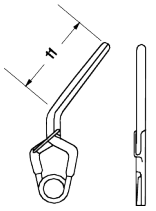
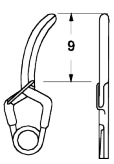
Titan Titanium	367-240T	367-250T	367-260T	367-280T	367-292T	367-290T
Impl. Stahl impl. steel	367-240	367-250	367-260	367-280	367-292	367-290
Form shape						
max. Öffnung max opening	6,2mm	7,0mm	7,8mm	9,2mm	10,6mm	11,4mm
Druck force	110g	90g	90g	90g	90g	110g
367-340T	**367-242T**	**367-252T**	**367-262T**	**367-282T**	**367-395T**	**367-244T**
367-340	367-242	367-252	367-262	367-282	367-395	367-244
						
13,3mm	6,0mm	6,8mm	7,5mm	8,7mm	11,0mm	5,5mm
110g	110g	90g	90g	110g	90g	110g
367-254T	**367-264T**	**367-284T**	**367-396T**	**367-323T**	**367-324T**	**367-325T**
367-254	367-264	367-284	367-396	367-323	367-324	367-325
						
6,1mm	6,5mm	7,4mm	9,9mm	5,4mm	5,8mm	6,2mm
110g	110g	110g	90g	110g	110g	180g

ELCON MICRO

für temporären Verschluß
for temporary closure
para oclusión temporal
pour occlusion temporaire

367-248T	367-258T	367-259T	367-297T	367-298T	367-103T	367-397T
367-248	367-258	367-259	367-297	367-298	367-103	367-397
						
7,9mm	8,7mm	10,2mm	11,9mm	13,0mm	6,2mm	7,5mm
90g	90g	90g	90g	90g	110g	90g

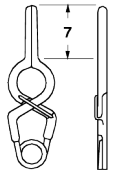
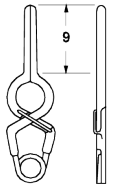
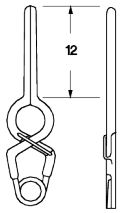
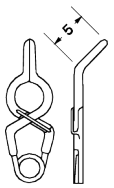
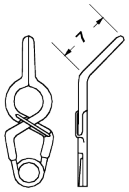
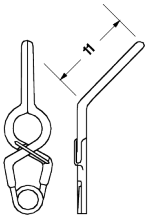
367-113T	367-123T	367-263T	367-319T	367-320T	367-322T	367-350T
367-113	367-123	367-263	367-319	367-320	367-322	367-350
						
6,5mm	7,8mm	8,4mm	5,6mm	5,6mm	5,6mm	5,4mm
110g	110g	110g	130g	130g	130g	130g

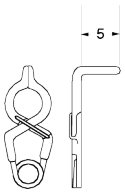
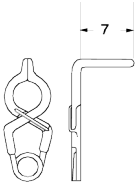
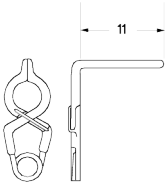
367-351T	367-330T	367-332T	367-333T	367-246T	367-261T	367-247T
367-351	367-330	367-332	367-333	367-246	367-261	367-247
						
5,6mm	7,2mm	7,2mm	8,2mm	5,7mm	8,0mm	6,2mm
130g	90g	90g	90g	90g	90g	90g

ELCON
MICRO

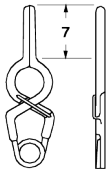
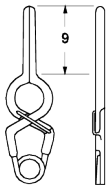
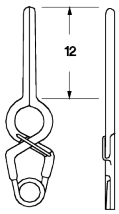
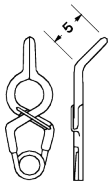
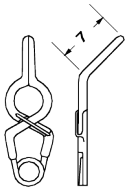
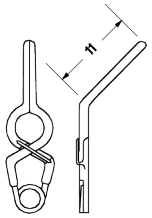
YASARGIL GEFÄSSCLIPS STANDARD
YASARGIL VESSEL CLIPS STANDARD
YASARGIL CLIPS VASCULARES ESTANDARD
YASARGIL SERRE-FINES STANDARD

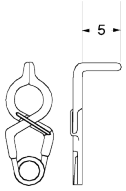
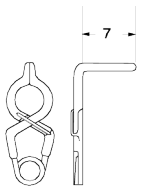
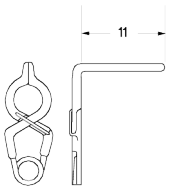
für permanenten Verschluß, gefenstert 3,5 mm
for permanent closure, fenestrated 3,5 mm
para occlusión permanente, fenstrado 3,5 mm
pour occlusion permanente, fenêtrée 3,5 mm

Titan Titanium	367-600T	367-610T	367-620T	367-602T	367-612T	367-622T
Impl. Stahl impl. steel	367-600	367-610	367-620	367-602	367-612	367-622
Form shape						
max. Öffnung max opening	7,4mm	8,4mm	9,6mm	5,8mm	6,5mm	7,2mm
Druck force	150g	150g	180g	150g	150g	180g

367-604T	367-614T	367-624T				
367-604	367-614	367-624				
						
4,9mm	4,9mm	4,9mm				
150g	150g	180g				

für temporären Verschluß, gefenstert 3,5 mm
for temporary closure, fenestrated 3,5 mm
para occlusión temporal, fenstrado 3,5 mm
pour occlusion temporaire, fenêtrée 3,5 mm

Titan Titanium	367-100T	367-110T	367-120T	367-102T	367-112T	367-122T
Impl. Stahl impl. steel	367-100	367-110	367-120	367-102	367-112	367-122
Form shape						
max. Öffnung max opening	7,4mm	8,4mm	9,6mm	5,8mm	6,5mm	7,2mm
Druck force	110g	110g	90g	110g	110g	110g

367-104T	367-114T	367-124T				
367-104	367-114	367-124				
						
4,9mm	4,9mm	4,9mm				
110g	110g	110g				

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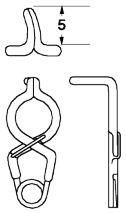
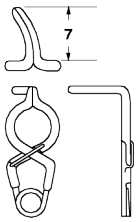
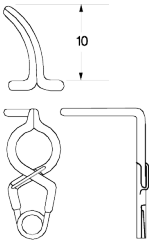
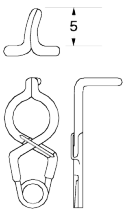
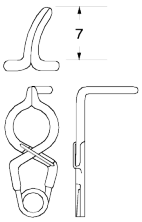
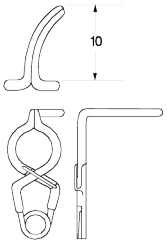
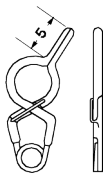
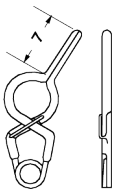
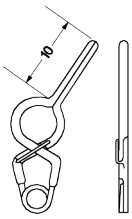
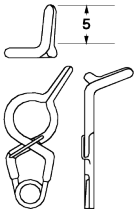
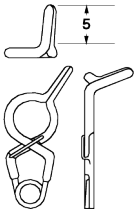
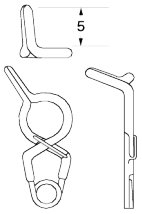
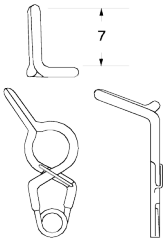
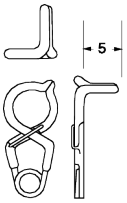
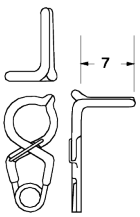
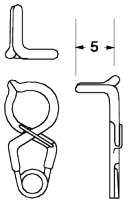
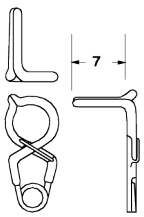
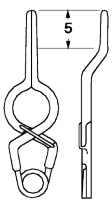
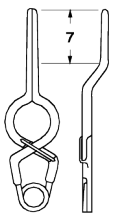
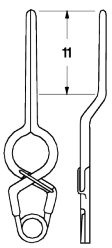
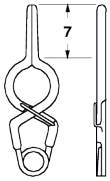
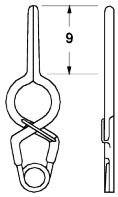
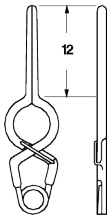
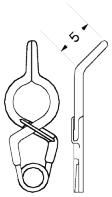
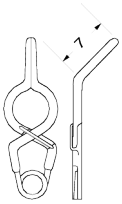
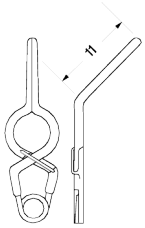
MICRO

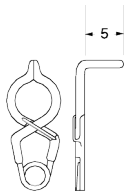
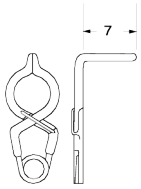
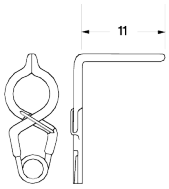
YASARGIL GEFÄSSCLIPS STANDARD
YASARGIL VESSEL CLIPS STANDARD
YASARGIL CLIPS VASCULARES ESTANDARD
YASARGIL SERRE-FINES STANDARD

für permanenten Verschluß, gefenstert 5,0 mm
for permanent closure, fenestrated 5,0 mm
para oclusión permanente, fenstrado 5,0 mm
pour occlusion permanente, fenêtrée 5,0 mm

Titan Titanium	367-774T	367-775T	367-776T	367-777T	367-778T	367-779T
Impl. Stahl impl. steel	367-774	367-775	367-776	367-777	367-778	367-779
Form shape						
max. Öffnung max opening	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm
Druck force	150g	150g	150g	150g	150g	150g
367-881T	**367-882T**	**367-883T**	**367-886T**	**367-887T**	**367-888T**	**367-889T**
367-881	367-882	367-883	367-886	367-887	367-888	367-889
						
7,0mm	7,8mm	8,8mm	5,8mm	6,2mm	5,8mm	6,2mm
150g	150g	150g	150g	150g	150g	150g
367-891T	**367-892T**	**367-893T**	**367-894T**	**367-648T**	**367-658T**	**367-668T**
367-891	367-892	367-893	367-894	367-648	367-658	367-668
						
5,6mm	5,6mm	5,6mm	5,6mm	7,9mm	8,8mm	10,0mm
150g	150g	150g	150g	150g	150g	180g

für permanenten Verschluß, gefenstert 5,0 mm
for permanent closure, fenestrated 5,0 mm
para oclusión permanente, fenstrado 5,0 mm
pour occlusion permanente, fenêtrée 5,0 mm

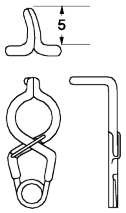
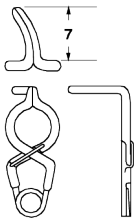
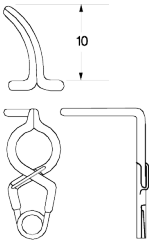
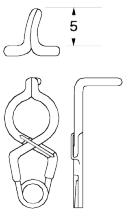
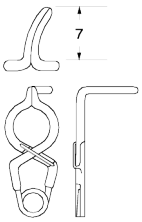
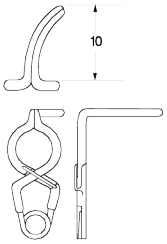
Titan Titanium	367-640T	367-650T	367-660T	367-642T	367-652T	367-662T
Impl. Stahl impl. steel	367-640	367-650	367-660	367-642	367-652	367-662
Form shape						
max. Öffnung max opening	7,9mm	9,1mm	10,3mm	6,5mm	7,2mm	7,8mm
Druck force	150g	150g	180g	150g	150g	180g

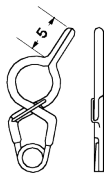
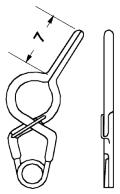
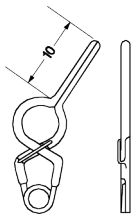
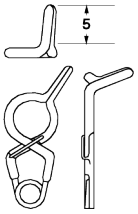
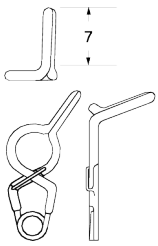
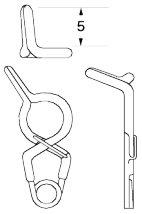
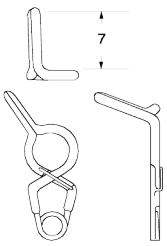
367-644T	367-654T	367-664T
367-644	367-654	367-664
		
5,5mm	5,5mm	5,5mm
150g	150g	180g

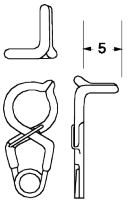
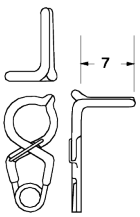
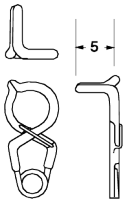
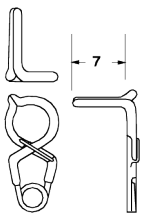
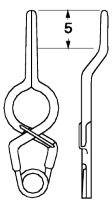
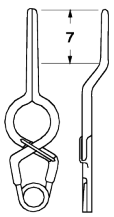
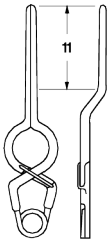
ELCON
MICRO

YASARGIL GEFÄSSCLIPS STANDARD
YASARGIL VESSEL CLIPS STANDARD
YASARGIL CLIPS VASCULARES ESTANDARD
YASARGIL SERRE-FINES STANDARD

für temporären Verschluß, gefenstert 5,0 mm
for temporary closure, fenestrated 5,0 mm
para oclusión temporal, fenstrado 5,0 mm
pour occlusion temporaire, fenêtrée 5,0 mm

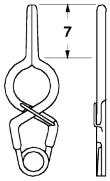
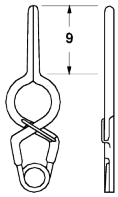
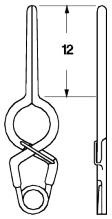
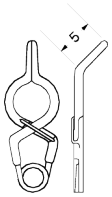
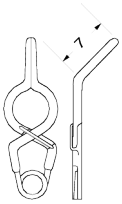
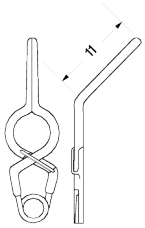
Titan Titanium	367-274T	367-275T	367-276T	367-277T	367-278T	367-279T
Impl. Stahl impl. steel	367-274	367-275	367-276	367-277	367-278	367-279
Form shape						
max. Öffnung max opening	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm	5,8mm
Druck force	110g	110g	110g	110g	110g	110g

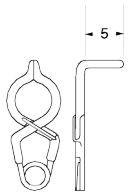
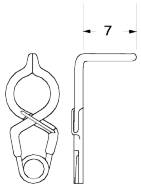
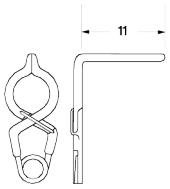
367-381T	367-382T	367-383T	367-386T	367-387T	367-388T	367-389T
367-381	367-382	367-383	367-386	367-387	367-388	367-389
						
7,0mm	7,8mm	8,8mm	5,8mm	6,2mm	5,8mm	6,2mm
110g	110g	110g	110g	110g	110g	110g

367-391T	367-392T	367-393T	367-394T	367-148T	367-158T	367-168T
367-391	367-392	367-393	367-394	367-148	367-158	367-168
						
5,6mm	5,6mm	5,6mm	5,6mm	7,9mm	8,8mm	10,0mm
110g	110g	110g	110g	90g	90g	90g

ELCON MICRO

für temporären Verschluß, gefenstert 5,0 mm
for temporary closure, fenestrated 5,0 mm
para occlusión temporal, fenstrado 5,0 mm
pour occlusion temporaire, fenêtrée 5,0 mm

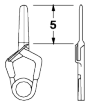
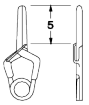
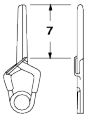
Titan Titanium	367-140T	367-150T	367-160T	367-142T	367-152T	367-162T
Impl. Stahl impl. steel	367-140	367-150	367-160	367-142	367-152	367-162
Form shape						
max. Öffnung max opening	7,9mm	9,1mm	10,3mm	6,5mm	7,2mm	7,8mm
Druck force	110g	100g	90g	110g	110g	110g

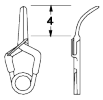
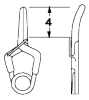
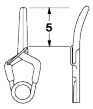
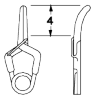
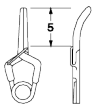
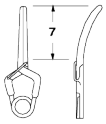
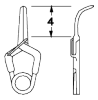
367-144T	367-154T	367-164T				
367-144	367-154	367-164				
						
5,5mm	5,5mm	5,5mm				
110g	110g	90g				

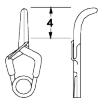
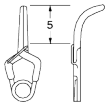
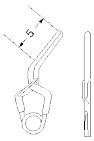
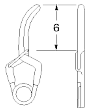
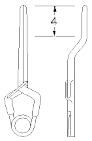
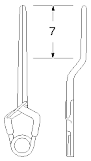
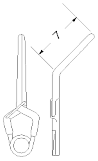
ELCON
MICRO

YASARGIL GEFÄSSCLIPS MINI
YASARGIL VESSEL CLIPS MINI
YASARGIL CLIPS VASCULARES MINI
YASARGIL SERRE-FINES MINI

für permanenten Verschluß
for permanent closure
para oclusión permanente
pour occlusion permanente

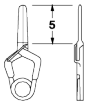
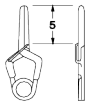
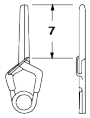
Titan Titanium	367-680T	367-690T	367-700T	367-710T	367-720T	367-682T
Impl. Stahl impl. steel	367-680	367-690	367-700	367-710	367-720	367-682
Form shape						
max. Öffnung max opening	3,3mm	4,0mm	3,3mm	4,0mm	4,6mm	3,2mm
Druck force	110g	110g	110g	110g	110g	110g

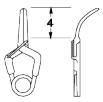
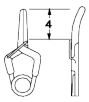
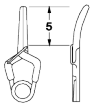
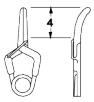
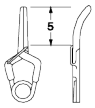
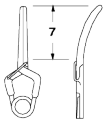
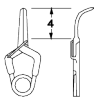
367-692T	367-711T	367-712T	367-713T	367-726T	367-722T	367-694T
367-692	367-711	367-712	367-713	367-726	367-722	367-694
						
3,8mm	3,6mm	3,8mm	3,6mm	4,0mm	4,4mm	3,6mm
110g	110g	110g	110g	110g	110g	110g

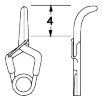
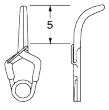
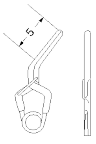
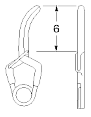
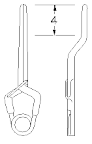
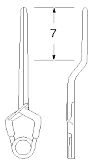
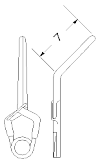
367-714T	367-724T	367-716T	367-717T	367-727T	367-728T	367-806T
367-714	367-724	367-716	367-717	367-727	367-728	367-806
						
3,5mm	4,0mm	3,5mm	6,0mm	7,0mm	5,7mm	4,5mm
110g	110g	130g	130g	130g	130g	130g

ELCON
MICRO

für temporären Verschluß
for temporary closure
para oclusión temporal
pour occlusion temporaire

Titan Titanium	367-180T	367-190T	367-200T	367-210T	367-220T	367-182T
Impl. Stahl impl. steel	367-180	367-190	367-200	367-210	367-220	367-182
Form shape						
max. Öffnung max opening	3,3mm	4,0mm	3,3mm	4,0mm	4,6mm	3,2mm
Druck force	90g	70g	90g	70g	70g	90g

367-192T	367-211T	367-212T	367-213T	367-226T	367-222T	367-194T
367-192	367-211	367-212	367-213	367-226	367-222	367-194
						
3,8mm	3,6mm	3,8mm	3,6mm	4,0mm	4,4mm	3,6mm
70g	80g	70g	80g	70g	70g	80g

367-214T	367-224T	367-216T	367-217T	367-227T	367-228T	367-306T
367-214	367-224	367-216	367-217	367-227	367-228	367-306
						
3,5mm	4,0mm	3,5mm	6,0mm	7,0mm	5,7mm	4,5mm
80g	70g	70g	70g	70g	70g	70g

ANLEGEZANGEN FÜR YASARGIL ANEURYSMEN-CLIPS
APPLYING FORCEPS FOR YASARGIL ANEYRYSM-CLIP
PINZAS PARA APLICAR YASARGIL CLIPS VASCULARES
APPLICATEUR POUR YASARGIL SERRE-FINES

YASARGIL
Clipanlegezange, gerade, nicht drehbar
Clip applying forceps, straight, not rotating

	Gesamtlänge total length		standard	mini
367-548	180mm		-	x
367-558	180mm		x	-

YASARGIL
Clipanlegezange, bajonett, gerade
Clip applying forceps, bayonet, straight

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-540	170mm	50mm	-	x
367-550	170mm	50mm	x	-
367-542	210mm	90mm	-	x
367-552	210mm	90mm	x	-
367-544	230mm	110mm	-	x
367-554	230mm	110mm	x	-

YASARGIL
Clipanlegezange, bajonett, 15° aufgebogen
Clip applying forceps, bayonet, 15° angled

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-575	210mm	90mm	-	x
367-585	210mm	90mm	x	-
367-577	230mm	110mm	-	x
367-587	230mm	110mm	x	-

YASARGIL
Clipanlegezange, bajonett, abwinkelbares Ende, drehbar
Clip applying forceps, bayonet, adjustable jaws, rotating

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-1009	210mm	90mm	-	x
367-2009	210mm	90mm	x	-
367-1011	230mm	110mm	-	x
367-2011	230mm	110mm	x	-

YASARGIL
Titan Clipanlegezange, bajonett, abwinkelbares Ende, drehbar
Titanium clip applying forceps, bayonet, adjustable jaws, rotating

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-1009T	210mm	90mm	-	x
367-2009T	210mm	90mm	x	-
367-1011T	230mm	110mm	-	x
367-2011T	230mm	110mm	x	-

ANLEGEZANGEN FÜR YASARGIL ANEURYSMEN-CLIPS
APPLYING FORCEPS FOR YASARGIL ANEYRYSM-CLIP
PINZAS PARA APLICAR YASARGIL CLIPS VASCULARES
APPLICATEUR POUR YASARGIL SERRE-FINES

Der MEMORY Schaft kann beinahe in jede Richtung gebogen werden. Bei der anschließenden Sterilisation nimmt der MEMORY Schaft wieder seine urspüngliche bajonet Form ein.
The MEMORY shaft can beflexed in almost any direction. After sterilisation the MEMORY shaf turns back into original bayonet condition.

Clipanlegezange, mit MEMORY Schaft, bajonett, drehbar
Clipanlegezange, adjustable jaw wnds, bayonet, rotating

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-7271	mm	70mm	-	x
367-8271	mm	70mm	x	-
367-7291	mm	90mm	-	x
367-8291	mm	90mm	x	-
367-7211		110mm	-	x
367-8211		110mm	x	-

Titan Clipanlegezange, mit MEMORY Schaft, bajonett, drehbar
Titaium clip applying forceps, adjustable jaw wnds, bayonet, rotating

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-7271T	mm	70mm	-	x
367-8271T	mm	70mm	x	-
367-7291T	mm	90mm	-	x
367-8291T	mm	90mm	x	-
367-7211T		110mm	-	x
367-8211T		110mm	x	-

YASARGIL
Titan Clipanlegezange, bajonett, drehbar
Titanium clip applying forceps, bayonet, rotating

	Gesamtlänge total length	Arbeitslänge working length	standard	mini
367-1003T	210mm	90mm	-	x
367-2003T	210mm	90mm	x	-
367-1005T	230mm	110mm	-	x
367-2005T	230mm	110mm	x	-

YASARGIL
Entnahmezange, bajonett, gerade
Clip removing forceps, bayonet, straight

	Gesamtlänge total length	standard	mini
367-072	210mm	-	x
367-082	210mm	x	-

Titan Entnahmezange, bajonett, gerade
Titanium clip removing forceps, bayonet, straight

	Gesamtlänge total length	standard	mini
367-072T	210mm	-	x
367-082T	210mm	x	-

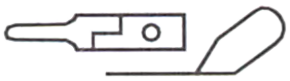
GEFÄSSCLIPS NACH BIEMER & MEHDORN
BIEMER VESSEL CLIPS & MEHDORN VESSEL CLIPS
BIEMER CLIPS VASCULARES & MEHDORN CLIPS
BIEMER SERRE-FINES & MEHDORN SERRE FINES

Biemer Vessel Clips

Form shape	Maulöffnung opening	Maullänge length of jaws	Schließkraft closing force
368-560	4,0mm	6,0mm	30-40g 0,29-0,39 Newton
368-561	5,0mm	9,0mm	30-40g 0,29-0,39 Newton
368-562	5,0mm	9,0mm	20-25g 0,20-0,25 Newton

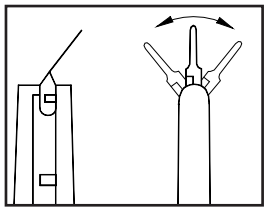
für temporären Gebrauch
- gekennzeichnet durch gelb eingefärbte Federenden
- Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße
- für Gefäße mit Ø 0,5 - 2,0 mm
- der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion
- identified by yellow coloured spring ends
- Blade gripping surface with oblique serrations for safe but careful gripping of vessels
- for vessel Ø 0,5 - 2,0 mm
- No risk due to rigidly fixed closing force



Mehdorn Vessel Clips

Form shape	Maullänge length of jaws	Schließkraft closing force
368-552	4x1,0mm	10-15g 0,10-0,15 Newton
368-554	4x1,4mm	10-15g 0,10-0,15 Newton
368-556	4x1,0mm	10-15g 0,10-0,15 Newton
368-558	4x1,4mm	10-15g 0,10-0,15 Newton

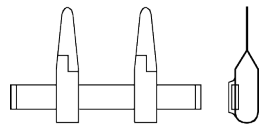
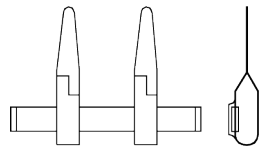
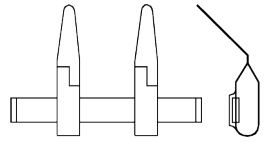
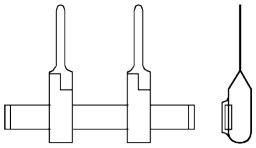
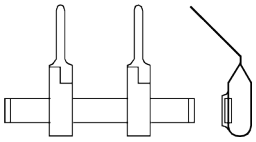


Biemer Clip Applying Forceps
for vessel clips 360-560 - 360-562
and Approximators 368-611 - 368-615 and 368-671 - 368-674
overall length 145mm

368-568 without catch
368-569 with catch

Mehdorn Clip Applying Forceps
for vessel clips 368-552 - 368-558 overall lenght 145mm

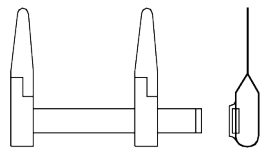
368-578 without catch

Form shape	Maulöffnung opening	Maullänge length of jaws	Schließkraft closing force
 368-615	4,0mm	6,0mm	30-40g 0,29-0,39 Newton
 368-611	5,0mm	9,0mm	30-40g 0,29-0,39 Newton
 368-612	5,0mm	9,0mm	30-40g 0,29-0,39 Newton
 368-613	5,0mm	9,0mm	30-40g 0,29-0,39 Newton
 368-614	5,0mm	9,0mm	30-40g 0,29-0,39 Newton

Biemer Clip Applying Forceps
for vessel clips 360-560 - 360-562 and Approximators 368-611 - 368-615 and 368-671 - 368-674
overall length 145mm

368-568 without catch
368-569 with catch

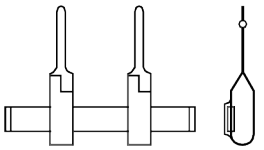
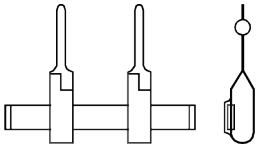
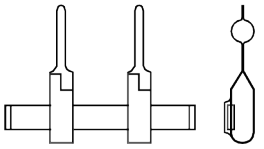
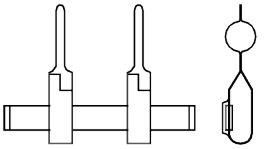
Biemer Approximator

Form shape	Maulöffnung opening	Maullänge length of jaws	Schließkraft closing force
 368-570	5,0mm	9,0mm	30-40g 0,29-0,39 Newton

Biemer
Applying forceps for vessel approximator 368-570

368-572

APPROXIMATOREN NACH MÜLLER
MÜLLER APPROXIMATORS
APPROXIMADORES MÜLLER
APPROXIMATEURS MÜLLER

Form shape	⦰ Diameter	Schließkraft closing force
 368-671	1,0mm	25-30g 0,25-0,29 Newton
 368-672	2,0mm	25-30g 0,25-0,29 Newton
 368-673	3,0mm	25-30g 0,25-0,29 Newton
 368-674	4,0mm	25-30g 0,25-0,29 Newton

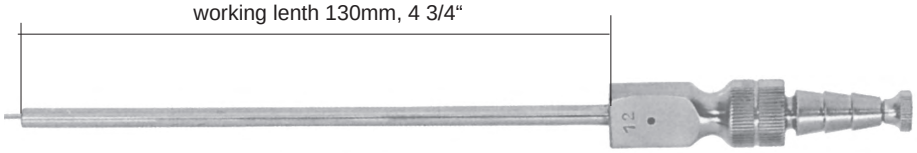
für temporären Gebrauch
- gekennzeichnet durch gelb eingefärbte Federenden
- Maulinnenflächen schräg gerieft für schonendes, sicheres Festhalten der Gefäße
- für Gefäße mit Ø 0,5 - 2,0 mm
- der fest eingestellte Schließdruck gewährt risikofreie Anwendung

for temporary occlusion
- identified by yellow coloured spring ends
- Blade gripping surface with oblique serrations for safe but careful gripping of vessels
- for vessel Ø 0,5 - 2,0 mm
- No risk due to rigidly fixed closing force

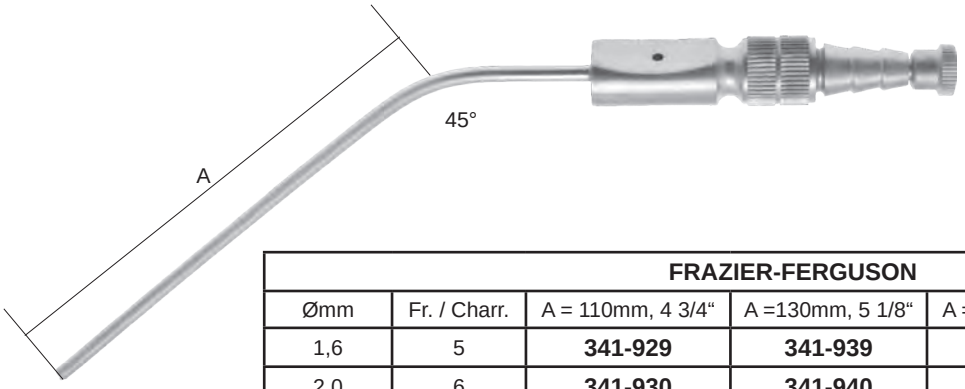
Biemer Clip Applying Forceps
for vessel clips 360-560 - 360-562
and Approximators 368-611 - 368-615 and 368-671 - 368-674
overall length 145mm

368-568 without catch
368-569 with catch

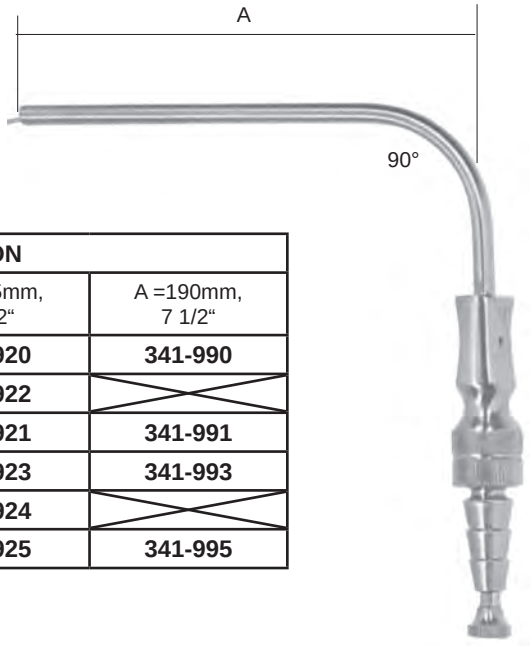
Arbeitslänge 130mm, 4 3/4“
working lenth 130mm, 4 3/4“



FRAZIER		
Ømm,	Fr. / Charr.	
2,0	6	**341-900**
2,3	7	**341-908**
2,6	8	**341-901**
3,0	9	**341-902**
3,3	10	**341-906**
3,6	11	**341-905**
4,0	12	**341-903**
5,0	15	**341-904**



FRAZIER-FERGUSON					
Ømm	Fr. / Charr.	A = 110mm, 4 3/4“	A =130mm, 5 1/8“	A = 160mm, 6 1/4“	A = 200mm, 8“
1,6	5	**341-929**	**341-939**	**341-959**	**341-979**
2,0	6	**341-930**	**341-940**	**341-960**	**341-980**
2,3	7	**341-932**			
2,6	8	**341-931**	**341-941**	**341-961**	**341-981**
3,0	9	**341-933**	**341-943**	**341-963**	**341-983**
3,3	10	**341-934**			
3,6	11	**341-935**			
4,0	12	**341-936**	**341-946**	**341-966**	**341-986**
5,0	15	**341-938**	**341-948**	**341-968**	**341-988**



FERGUSON			
Ømm	Fr. / Charr.	A = 115mm, 4 1/2“	A =190mm, 7 1/2“
2,0	6	**341-920**	**341-990**
2,3	7	**341-922**	
2,6	8	**341-921**	**341-991**
3,0	9	**341-923**	**341-993**
3,3	10	**341-924**	
3,6	11	**341-925**	**341-995**

FÜR NOTIZEN
FOR NOTES
PARA NOTAS
POUR NOTES

FÜR NOTIZEN
FOR NOTES
PARA NOTAS
POUR NOTES

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