

MICRO AND NEURO SURGICAL INSTRUMENTS

Ultra-Precision for Delicate Procedures



Schädelhalter
Cervical traction tongs

Pincas de traction crânienne
Pinzas de tracción craneal
Pinze per trazione craniale



1:3
CRUTCHFIELD

13-101-000



1:3
13-102-000



1:3
13-104-000

grosses Modell, für Extension der Halswirbel –
kein Vorbohren erforderlich – Dorne verstellbar
large type, cervical traction tongs –
pins adjustable no drilling to be done
modèle large, distracteur cervicale –
poinçons ajustables pas de perçage nécessaire
modelo grande, distractor cervical –
espigas ajustables sin necesidad de trepanar
modello grande, distrattore cervicale, pin ajjustabili,
non necesisita di perforare, regolabili



1:3



1:3

	3.5 mm Ø	5.0 mm Ø
13-103-035	x	
13-103-050		x

Satz à 2 Stück für 13-101-000 und 13-102-000

Set of 2 pieces for 13-101-000 and 13-102-000

Jeu à 2 pièces pour 13-101-000 et pour 13-102-000

Juego con 2 piezas para 13-101-000 y para 13-102-000

Completo con 2 pezzi per 13-101-000 e per 13-102-000

13-105-000

Ersatzdorn für 13-104-000
Spare pin for 13-104-000
Goupille de rechange pour 13-104-000
Perno de cambio para 13-104-000
Punta di ricambio 13-104-000



1:2
13-106-190

Gabelschlüssel, doppelendig zu 13-104-000
Wrench, double-ended for 13-104-000
Clé de fixation, pour 13-104-000
Llave de tuercas, para 13-104-000
Chiave per 13-104-000

ndbohrapparate
Hand drills

Perforateurs à main
Perforadores a mano
Perforatori a mano



1:3

HUDSON

270 mm – 10 3/4" 13-108-000

Handbohrapparate alleine
Hand drills only
Perforateurs à main seul
Perforadores a mano sólo
Perforatori a mano solo

270 mm – 10 3/4" 13-108-016

komplett mit 4 Bohrern (Fig. 1 – Fig. 4) und Verlängerungsstück
complete with 4 twist drills (Fig. 1 – Fig. 4) and extension piece
complet avec 4 mèches (Fig. 1 – Fig. 4) et pièce d'extension
completa con 4 fresas (Fig. 1 – Fig. 4) y pieza de prolongación
completo con 4 frese (Fig. 1 – Fig. 4) e pezzo di prolungazione



1:2

13-108-009

Verlängerungsstück
Extension piece
Pièce d'extension
Pieza de prolongación
Pezzo di prolungazione



1:2



1:2



1:2



1:2

Fig. 1	Fig. 2	Fig. 3	Fig. 4
9 mm Ø	14 mm Ø	16 mm Ø	22 mm Ø
13-108-001	13-108-002	13-108-003	13-108-004



1:2

CUSHING

14 mm Ø
13-108-005



1:2

MCKENZIE

13 mm Ø
13-109-070

instrumente zur Schädelöffnung
Instruments for cranial opening

Instruments pour l'ouverture du crâne
Instrumentos para apertura craneana
Strumenti per l'apertura del cranio



DE MARTEL^{1:2}

330 mm – 13 "
13-112-330



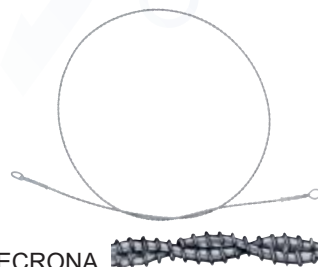
ADSON ^{1:2}

150 mm – 6 "	13-110-150
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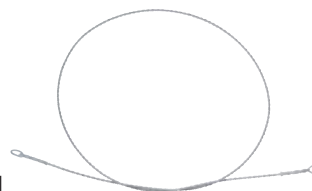
^{1:2}
DE VILBISS

210 mm – 8 ¼ "	13-111-210
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OLIVECRONA

300 mm – 12 "	13-113-300
400 mm – 16 "	13-113-400
500 mm – 20 "	13-113-500
600 mm – 23 ½ "	13-113-600
700 mm – 27 ½ "	13-113-700



GIGLI

300 mm – 12 "	13-114-300
400 mm – 16 "	13-114-400
500 mm – 20 "	13-114-500

6-teilig

6 wires twisted
6 fils tordus
6 alambres torcidos
6 fili attorcigliati

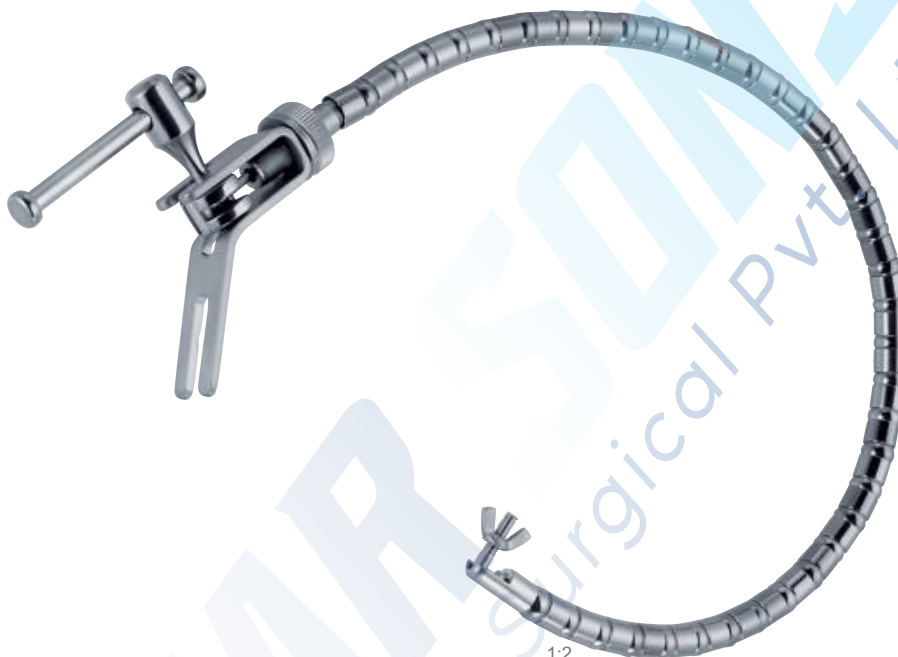


^{1:2}
GIGLI

13-115-000

Selbsthaltender hirnretraktor
Self-retaining brain retractor

Retracteur cérébrale autostatique
Separador cerebral autostático
Retratore celebrale autostatico



1:2

13-117-000

Selbsthaltender Hirnretraktor, flexibel mit
1 Spannarm, komplett, bestehend aus:
Fixierungsvorrichtung für 1 Spannarm, Spannarm
und Spatelhalter für flache Spatel
Brain retractor self-retaining, with 1 flexible arm,
complete, consisting of: fixation base for 1 flexible
arm, flexible arm only, support for flat brain
spatulas
Retracteur cérébrale autostatique, flexible avec
1 tendeur, complét avec support pour 1 tendeur,
tendeur et porte-spatule pour spatules plates
Separador cerebral autostático, 1 brazo flexible con
soporte, completo con brazo y soporte para espátulas
llanas
Retratore celebrale autostatico, flessibile
Completo, contente: supporto di fissaggio per
un braccio, 1 braccio flessibile con supporto di
fissaggio per spatole piatte

Selbsthaltender Hirnretraktor, flexibel mit
2 Spannarmen, komplett, bestehend aus:
Fixierungsvorrichtung für 2 Spannarme,
2 Spannarme und 2 Spatelhalter für flache Spatel
Brain retractor self-retaining, with 2 flexible arms,
complete, consisting of: fixation base for 2 flexible
arms, 2 flexible arms, 2 supports for flat brain
spatulas
Retracteur cérébrale autostatique, flexible avec
2 tendeurs, complét avec supports pour 2 tendeurs,
2 tendeurs et 2 portes-spatule pour spatules plates
Separador cerebral autostatico, 2 brazos flexibles
con soporte, completo con brazos y soporte para
2 spatulas llanas
Retratore celebrale autostatico, flessibile con
2 bracci completi, contiene: supporto di fissaggio
per bracci per 2 spatole piatte

Selbsthaltender hirnretraktor
Self-retaining brain retractor

Retracteur cérébrale autostatique
Separador cerebral autostático
Retratore celebrale autostatico



Fixierungsvorrichtung allein, für 2 Spannarme
Fixation base only, holding 2 flexible arms
Support seul pour 2 tendeurs
Soporte sólo para 2 brazos de separador
Supporto di fissaggio per 2 bracci, solo

13-118-050

Fixierungsvorrichtung allein, für 1 Spannarm
Fixation base only, holding 1 flexible arm
Support seul pour 1 tendeur
Soporte sólo para 1 brazo de separador
Supporto di fissaggio per 1 braccio, solo

13-118-090

Spatelhalter allein, für Flachspatel
Support only, for flat brain spatulas
Porte-spatule seul, pour spatules plates
Soporte sólo, para espátulas planos
Supporto solo, per fissaggio di spatole piatte

13-118-100

Spatelhalter allein, für Spatel mit Rundschaft
von 4 mm und 5 mm Ø, zum Befestigen am Spannarm
Support only, for brain spatulas with round shaft
of 4 mm and 5 mm Ø to fix on the flexible arm
Porte-spatule seul pour la fixation des spatules
de 4 mm et 5 mm Ø diam
Soporte sólo para la fijación de espátulas
de 4 mm y 5 mm Ø al brazo
Supporto solo per spatole con asta tonda
di Ø 4 mm e 5 mm

13-118-080

Spannarm allein – zum Aufstecken auf Kupplungsköpfe
und Fixierungsvorrichtungen
Flexible arm only – for attaching coupling heads and
for fixation bases
Tendeur flexible seul – pour le montage sur supports
et accouplements
Brazo flexible sólo para montar sobre soportes
Braccio flessibile sólo – per il montaggio sul supporto
di fissaggio

hirnspatel
Brain spatula

Spatules cérébrales
Espátulas cerebrales
Spatole cerebrali



CUSHING

	180 mm – 7 "
7 mm x 9 mm	13-119-070
11 mm x 13 mm	13-119-110
15 mm x 18 mm	13-119-150
18 mm x 22 mm	13-119-180



OLIVECRONA

	180 mm – 7 "	180 mm – 7 "
7 mm x 9 mm	13-120-007	13-121-007
11 mm x 13 mm	13-120-011	13-121-011
15 mm x 18 mm	13-120-015	13-121-015
18 mm x 22 mm	13-120-018	13-121-018

konvex
convex
convexe
convexa
convessa

konkav
concave
concave
cóncava
concava



HEIFETZ

	200 mm – 8 "
x = 8 mm	13-122-080
x = 11 mm	13-122-110
x = 14 mm	13-122-140
x = 17 mm	13-122-170
x = 20 mm	13-122-200

biegsam
malleable
malléable
maleable
flessibile

McKenzie instrumentarium
McKenzie instruments

McKenzie instruments
Instrumentos McKenzie
Strumenti McKenzie



MCKENZIE

150 mm – 6 "	13-123-150	13-124-150
190 mm – 7½ "	13-123-190	13-124-190

Zangen zum Anlegen der Klammern

Clip applying forceps
Pincers pour poser des agrafes
Pinzas para poner grapas
Pinze per mettere le agraiffe

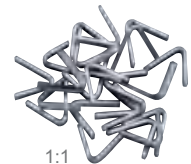


MCKENZIE 1:2

148 mm x 40 mm x 6 mm – 5¾ " x 1 ½ " x ¼ " 13-125-000

Klammerblock für 20 Klammern

Brain clip rack for 20 clips
Porte-agraffes pour 20 agrafes
Porta-grapas para 20 grapas
Supporto port'agraffes per 20 agraiffe



1:1

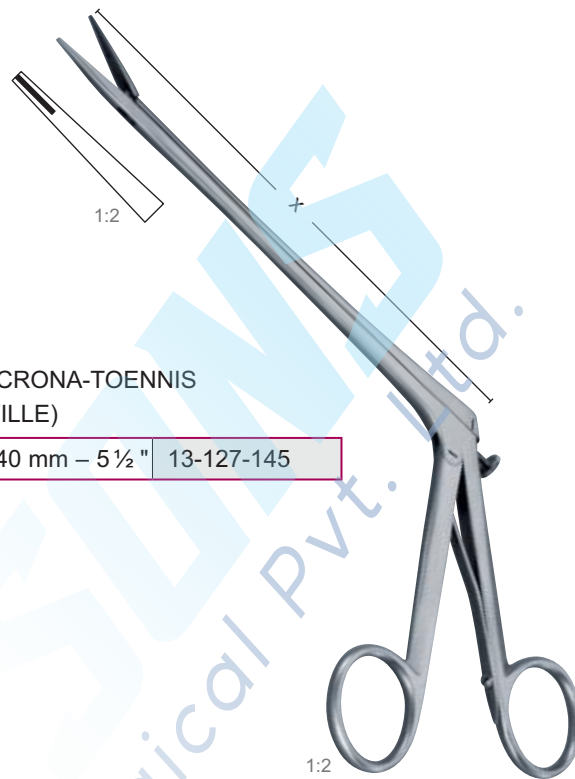
13-126-100

100 Klammern im Plastikbehälter

100 Brain clips in plastic box
100 agrafes dans un tube de plastique
100 grapas en tubo de plástico
100 agraiffe nella scatola di plastica

Clips und anlegezangen
Clips and applying forceps

Clips et pinces à appliquer
Clips y aplicadores
Clips e pinze per mettere clips



OLIVECRONA-TOENNIS
(SCOVILLE)

x = 140 mm – 5 ½" 13-127-145



1:2
RANEY

150 mm – 6" 13-128-000



1:1

13-129-000

Kopfhautklammer „Raney“
Scalp clip "Raney"
Agrafes pour le cuir chevelu «Raney»
Grapa para cuero cabelludo „Raney“
Agrafes per il cuoio capelluto „Raney“



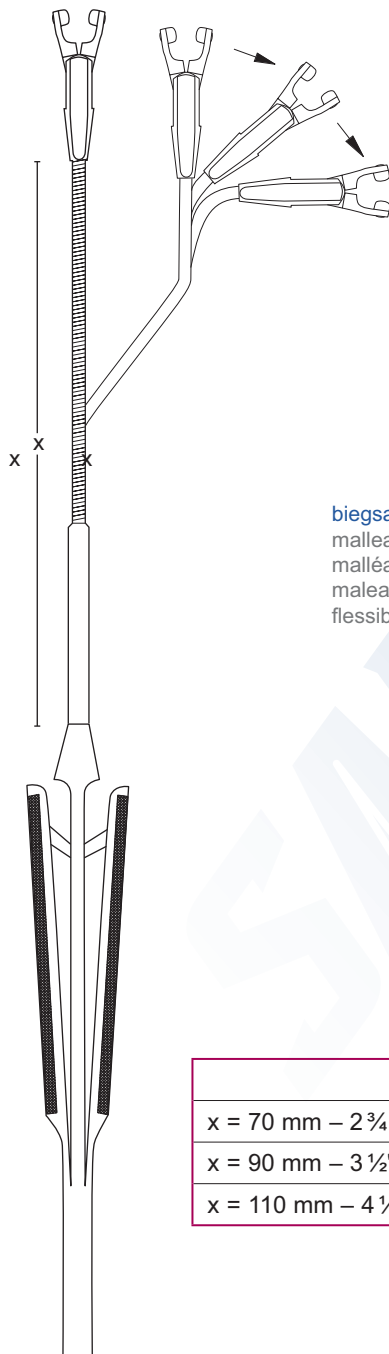
1:1

13-130-000

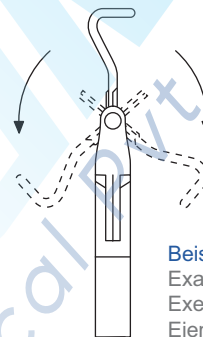
Kopfhautklammer „Köln“ (Packung mit 10 Stück)
Scalp clip "Köln" (Package of 10 pieces)
Agrafes pour le cuir chevelu «Köln» (Paquet de 10 pièces)
Grapa para cuero cabelludo "Köln" (Paquetes de 10 piezas)
Agrafes per il cuoio capelluto „Köln“ (Confezione da 10 pezzi)

Anlegezangen für Yasargil Clips
Applying forceps for Yasargil clips

Pince à poser pour des clips Yasargil
Aplicadora para clips Yasargil
Pinze per mettere clips Yasargil



biegsam
malleable
malléable
maleable
flessibile



Beispiel für Drehmechanismus
Example for rotation
Exemple pour la rotation
Ejemplo de rotación
Esempio per la rotazione



	Mini	Standard
x = 70 mm – 2 ¾ "	13-131-002	13-132-002
x = 90 mm – 3 ½ "	13-131-004	13-132-004
x = 110 mm – 4 ¼ "	13-131-006	13-132-006

nicht drehbar
non rotating
non rotatif
no rotatorio
non rotativo

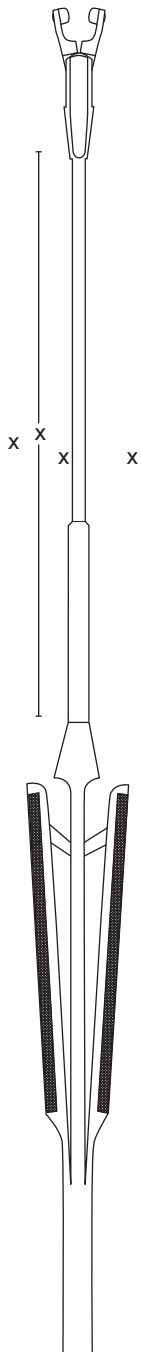


	Mini	Standard
13-131-020	13-131-020	13-132-020
13-131-022	13-131-022	13-132-022
13-131-024	13-131-024	13-132-024

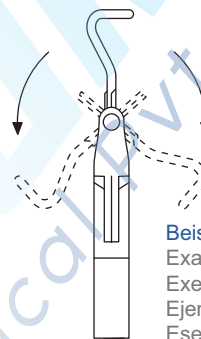
drehbar
rotating
rotatif
rotatorio
rotativo

Anlegezangen für Yasargil Clips
Applying forceps for Yasargil clips

Pince à poser pour des clips Yasargil
Aplicadora para clips Yasargil
Pinze per mettere clips Yasargil



starr
rigid
rigide
rigido
rigido



Beispiel für Drehmechanismus
Example for rotation
Exemple pour la rotation
Ejemplo de rotación
Esempio per la rotazione



	Mini	Standard
x = 70 mm – 2 ¾ "	13-133-002	13-134-002
x = 90 mm – 3 ½ "	13-133-004	13-134-004
x = 110 mm – 4 ¼ "	13-133-006	13-134-006

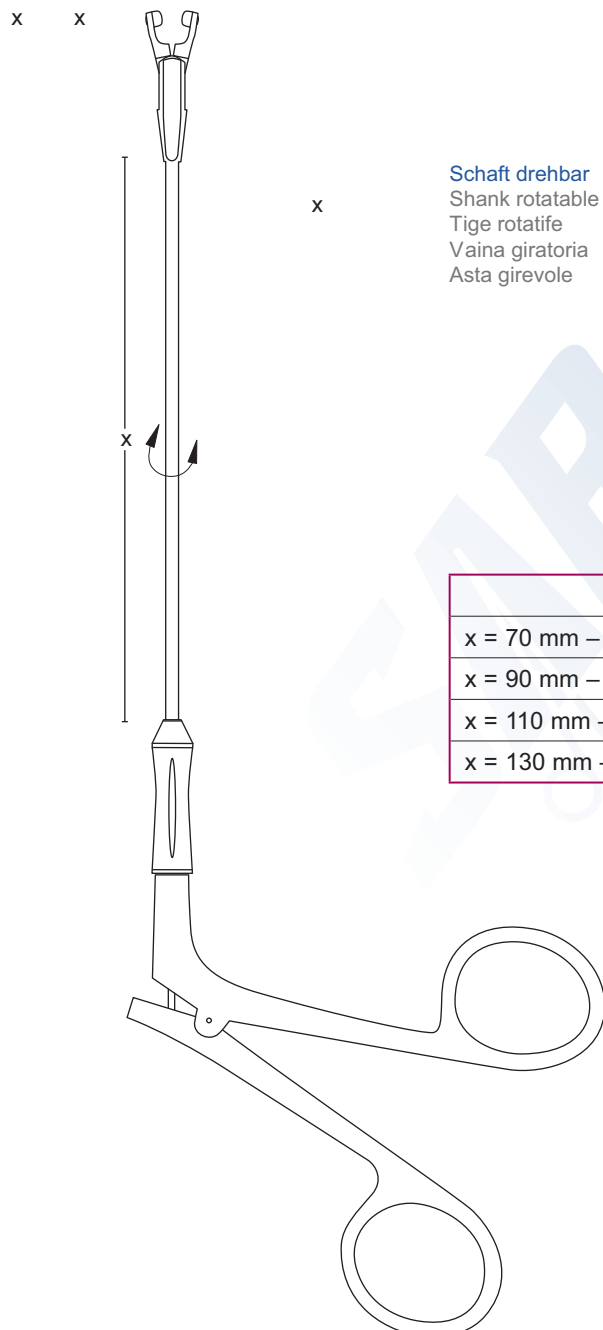
nicht drehbar
non rotating
non rotatif
no rotatorio
non rotativo

Mini	Standard
13-133-020	13-134-020
13-133-022	13-134-022
13-133-024	13-134-024

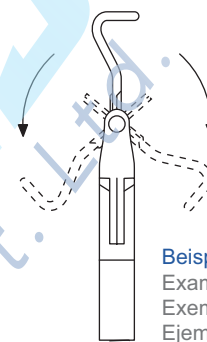
drehbar
rotating
rotatif
rotatorio
rotativo

Anlegezangen für Yasargil Clips
Applying forceps for Yasargil clips

Pince à poser pour des clips Yasargil
Aplicadora para clips Yasargil
Pinze per mettere clips Yasargil



Schaft drehbar
Shank rotatable
Tige rotatif
Vaina giratoria
Asta girevole



Beispiel für Drehmechanismus
Example for rotation
Exemple pour la rotation
Ejemplo de rotación
Esempio per la rotazione



	Mini	Standard
x = 70 mm – 2 ¾ "	13-135-270	13-136-270
x = 90 mm – 3 ½ "	13-135-290	13-136-290
x = 110 mm – 4 ¼ "	13-135-310	13-136-310
x = 130 mm – 5 "	13-135-330	13-136-330

nicht drehbar
non rotating
non rotatif
no rotatorio
non rotativo



Mini	Standard
13-135-070	13-136-070
13-135-090	13-136-090
13-135-110	13-136-110
13-135-130	13-136-130

drehbar
rotating
rotatif
rotatorio
rotativo

Anlegezangen für Yasargil Clips
Applying forceps for Yasargil clips

Pince à poser pour des clips Yasargil
Aplicadora para clips Yasargil
Pinze per mettere clips Yasargil



	Mini	Standard	Mini	Standard
17 mm – 6 ¾ "	13-137-170	13-138-170	13-137-370	13-138-370
21 mm – 8 ¼ "	13-137-210	13-138-210	13-137-410	13-138-410
23 mm – 9 "	13-137-230	13-138-230	13-137-430	13-138-430

bayonett-förmig, mit Sperre
bayonett shaped, with ratchet
en baionette, avec verrou
forma bayoneta, con cierre
forma baionetta, con cremagliera

drehbar
rotating
rotatif
rotatorio
rotativo



	Mini	Standard	Mini	Standard
18 mm – 7 "	13-139-180	340-774-180	13-139-280	340-774-280

gerade, mit Sperre
straight, with ratchet
droit, avec verrou
recta, con cierre
retta, con cremagliera

drehbar
rotating
rotatif
rotatorio
rotativo

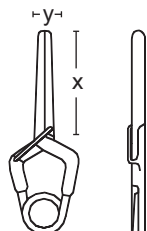
aneurysmen gefäßclips

Aneurysm vessel clips

Anévrisme clips

Aneurisma clips

Clips per aneurisma e vasi



x	y	gms
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Maullänge

jaw length

longueur du mors

longitud de la boca

lunghezza del morso

max. Maulöffnung

max. jaw opening

ouverture max. du mors

apertura máx. de la boca

apertura mass.

Schließkraft

closing pressure

pression de fermeture

apertura máx. de la boca

pressione

YASARGIL-STANDARD

für permanenten Verschluss, mit Fenster 3.5 mm,

aus hochwertigem Implantatstahl, antimagnetisch

for permanent closure, with window 3.5 mm,

in high quality implant steel, antimagnetic

pour fermeture permanente, avec fenestra 3.5 mm,

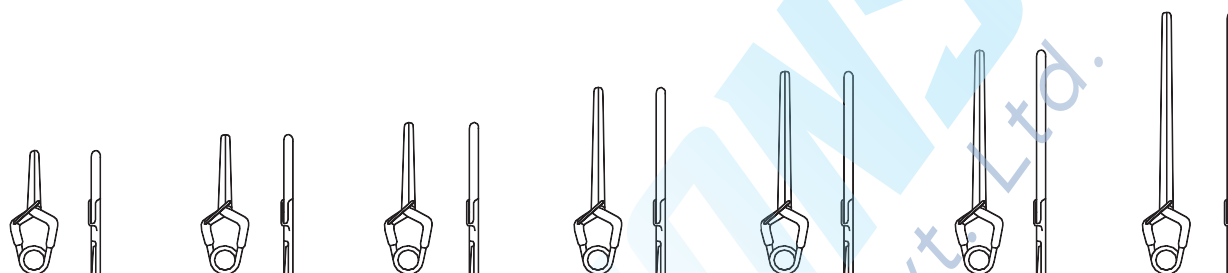
acier de haute qualité, anti-magnétique

para oclusión permanente, finestrado de 3.5 mm,

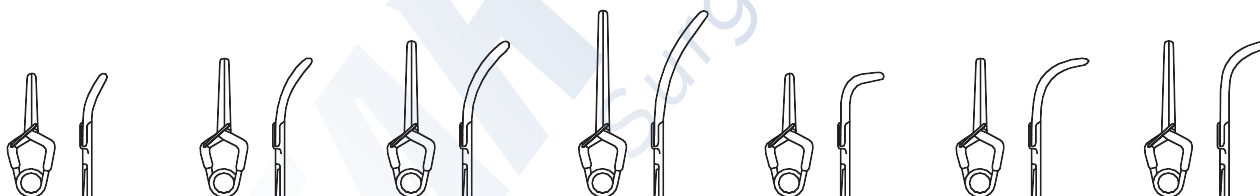
acero de alta calidad, antimagnético

per chiusura permanente, con finestra di 3.5 mm,

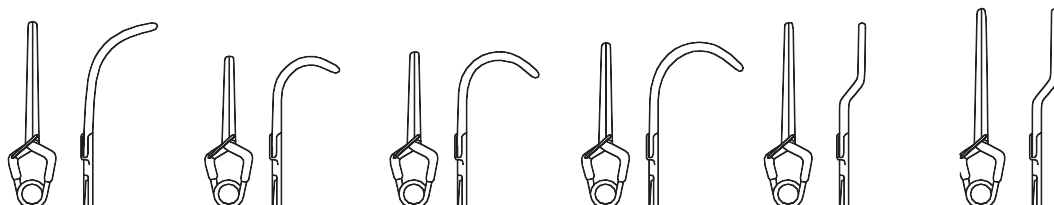
acciaio di alta qualità, antimagnetico



x = 7.0 mm	x = 9.0 mm	x = 11.0 mm	x = 15.0 mm	x = 17.0 mm	x = 20.0 mm	x = 25.0 mm
y = 6.2 mm	y = 7.0 mm	y = 7.8 mm	y = 9.2 mm	y = 10.6 mm	y = 11.4 mm	y = 13.3 mm
gms = 150	gms = 180	gms = 180	gms = 200	gms = 200	gms = 200	gms = 200
13-140-550	13-141-600	13-142-680	13-143-800	13-143-106	13-143-114	13-143-133
13-140-550T	13-141-600T	13-142-680T	13-143-800T	13-143-106T	13-143-114T	13-143-133T



x = 7.0 mm	x = 9.0 mm	x = 11.0 mm	x = 15.0 mm	x = 7.0 mm	x = 9.0 mm	x = 11.0 mm
y = 6.0 mm	y = 6.8 mm	y = 7.5 mm	y = 8.7 mm	y = 5.5 mm	y = 6.1 mm	y = 6.5 mm
gms = 150	gms = 180	gms = 180	gms = 200	gms = 150	gms = 180	gms = 180
13-144-530	13-145-600	13-146-650	13-147-750	13-148-480	13-149-500	13-150-580
13-144-530T	13-145-600T	13-146-650T	13-147-750T	13-148-480T	13-149-500T	13-150-580T



x = 15.0 mm	x = 7.0 mm	x = 9.0 mm	x = 11.0 mm	x = 7.0 mm	x = 9.0 mm
y = 7.4 mm	y = 5.4 mm	y = 5.8 mm	y = 6.2 mm	y = 7.9 mm	y = 8.7 mm
gms = 200	gms = 180	gms = 180	gms = 180	gms = 200	gms = 200
13-151-650	13-151-054	13-151-058	13-151-062	13-152-680	13-153-750
13-151-650T	13-151-054T	13-151-058T	13-151-062T	13-152-680T	13-153-750T

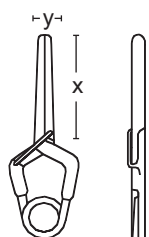
Aneurysmen Gefäßclips

Aneurysm vessel clips

Anévrisme clips

Aneurisma clips

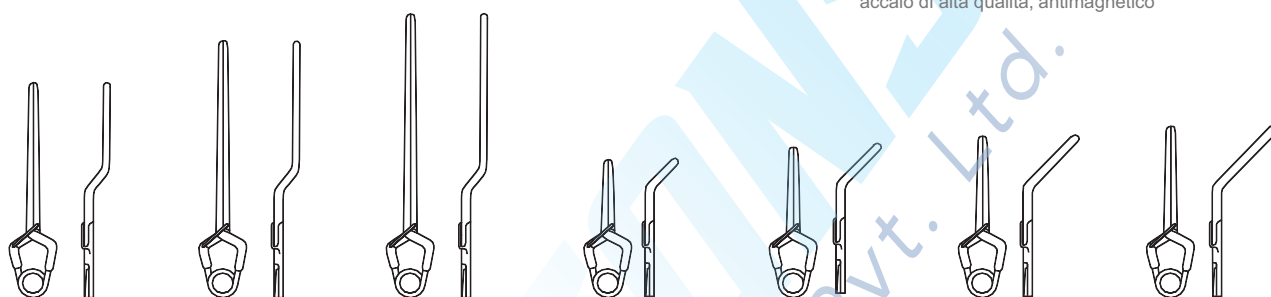
Clips per aneurisma e vasi



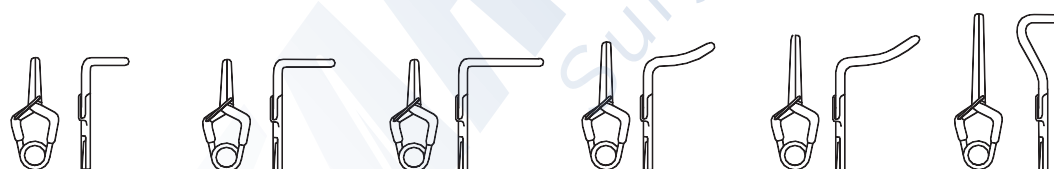
x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure pression de fermeture pressione

YASARGIL-STANDARD

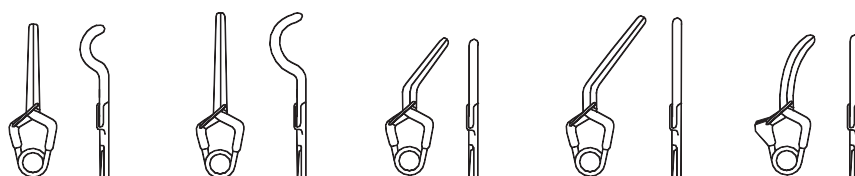
für permanenten Verschluss, mit Fenster 3.5 mm,
aus hochwertigem Implantatstahl, antimagnetisch
for permanent closure, with window 3.5 mm,
in high quality implant steel, antimagnetic
pour fermeture permanente, avec fenestra 3.5 mm,
acier de haute qualité, anti-magnétique
para oclusión permanente, finestrado de 3.5 mm,
acero de alta calidad, antimagnético
per chiusura permanente, con finestra di 3.5 mm,
acciaio di alta qualità, antimagnetico



x = 12.0 mm	x = 17.0 mm	x = 20.0 mm	x = 5.0 mm	x = 7.0 mm	x = 9.0 mm	x = 11.0 mm
y = 10.2 mm	y = 11.9 mm	y = 13.0 mm	y = 6.2 mm	y = 6.5 mm	y = 7.8 mm	y = 8.4 mm
gms = 200	gms = 180	gms = 180	gms = 200	gms = 200	gms = 200	gms = 200
13-153-102	13-153-119	13-153-130	13-154-062	13-154-065	13-154-078	13-154-084
13-153-102T	13-153-119T	13-153-130T	13-154-062T	13-154-065T	13-154-078T	13-154-084T



x = 5.0 mm	x = 7.0 mm	x = 10.0 mm	x = 8.0 mm	x = 10.0 mm	x = 5.0 mm
y = 5.6 mm	y = 5.6 mm	y = 5.6 mm	y = 5.4 mm	y = 5.6 mm	y = 7.2 mm
gms = 200	gms = 200	gms = 200	gms = 200	gms = 200	gms = 200
13-155-056	13-155-380	13-153-755	13-155-054	13-153-056	13-155-072
13-155-056T	13-155-380T	13-153-755T	13-155-054T	13-153-056T	13-155-072T



x = 9.0 mm	x = 11.0 mm	x = 7.0 mm	x = 11.0 mm	x = 9.0 mm
y = 7.2 mm	y = 8.2 mm	y = 5.7 mm	y = 8.0 mm	y = 7.0 mm
gms = 200	gms = 200	gms = 200	gms = 200	gms = 200
13-153-072	13-153-082	13-156-500	13-156-800	13-156-062
13-153-072T	13-153-082T	13-156-500T	13-156-800T	13-156-062T

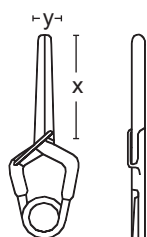
aneurysmen gefäßclips

Aneurysm vessel clips

Anévrisme clips

Aneurisma clips

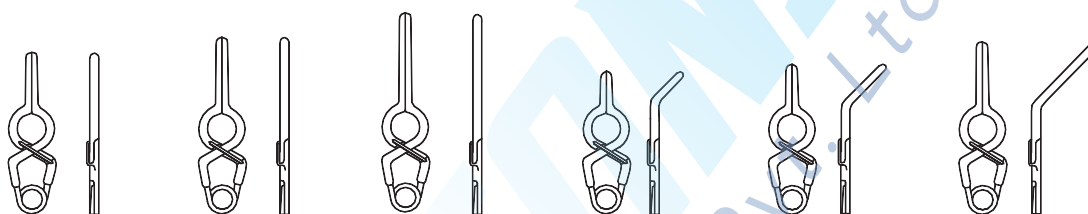
Clips per aneurisma e vasi



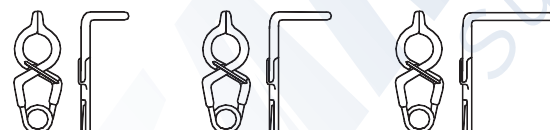
x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure morsforce de fermeture apertura mass. pressione

YASARGIL-STANDARD

für permanenten Verschluss, mit Fenster 3.5 mm,
aus hochwertigem Implantatstahl, antimagnetisch
for permanent closure, with window 3.5 mm,
in high quality implant steel, antimagnetic
pour fermeture permanente, avec fenestra 3.5 mm,
acier de haute qualité, anti-magnétique
para oclusión permanente, finestrado de 3.5 mm,
acero de alta calidad, antimagnético
per chiusura permanente, con finestra di 3.5 mm,
acciaio di alta qualità, antimagnetico



x = 7.0 mm	x = 9.0 mm	x = 12.0 mm	x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 7.4 mm	y = 8.4 mm	y = 9.6 mm	y = 5.8 mm	y = 6.5 mm	y = 7.2 mm
gms = 150	gms = 150	gms = 180	gms = 150	gms = 150	gms = 180
13-157-110	13-157-140	13-157-170	13-158-090	13-158-110	13-158-140
13-157-110T	13-157-140T	13-157-170T	13-158-090T	13-158-110T	13-158-140T



x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 4.9 mm	y = 4.9 mm	y = 4.9 mm
gms = 150	gms = 150	gms = 180
13-159-090	13-159-120	13-159-140
13-159-090T	13-159-120T	13-159-140T

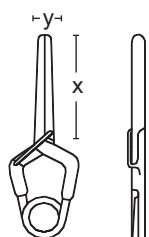
Aneurysmen Gefäßclips

Aneurysm vessel clips

Anévrisme clips

Aneurisma clips

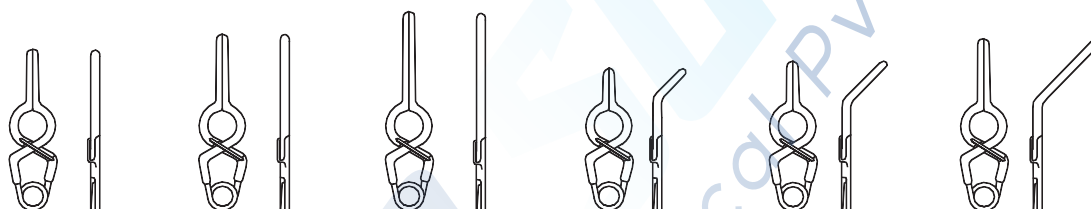
Clips per aneurisma e vasi



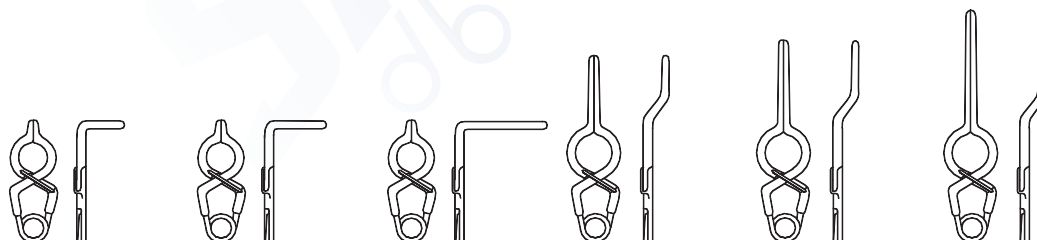
x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure force de fermeture fuerza de cierre pressione

YASARGIL-STANDARD

für permanenten Verschluss, mit Fenster 3.5 mm,
aus hochwertigem Implantatstahl, antimagnetisch
for permanent closure, with window 3.5 mm,
in high quality implant steel, antimagnetic
pour fermeture permanente, avec fenestra 3.5 mm,
acier de haute qualité, anti-magnétique
para oclusión permanente, finestrado de 3.5 mm,
acero de alta calidad, antimagnético
per chiusura permanente, con finestra di 3.5 mm,
acciaio di alta qualità, antimagnetico



x = 7.0 mm	x = 9.0 mm	x = 12.0 mm	x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 7.9 mm	y = 9.1 mm	y = 10.3 mm	y = 6.5 mm	y = 7.2 mm	y = 7.8 mm
gms = 150	gms = 150	gms = 180	gms = 150	gms = 150	gms = 180
13-160-120	13-160-150	13-160-180	13-161-100	13-161-130	13-161-150
13-160-120T	13-160-150T	13-160-180T	13-161-100T	13-161-130T	13-161-150T



x = 5.0 mm	x = 7.0 mm	x = 11.0 mm	x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 5.5 mm	y = 5.5 mm	y = 5.5 mm	y = 7.9 mm	y = 8.8 mm	y = 10.0 mm
gms = 150	gms = 150	gms = 180	gms = 150	gms = 150	gms = 180
13-162-110	13-162-130	13-162-160	13-163-140	13-163-170	13-163-190
13-162-110T	13-162-130T	13-162-160T	13-163-140T	13-163-170T	13-163-190T

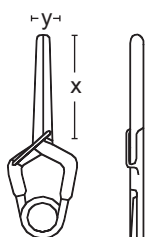
aneurysmen gefäßclips

Aneurysm vessel clips

Anévrisme clips

Aneurisma clips

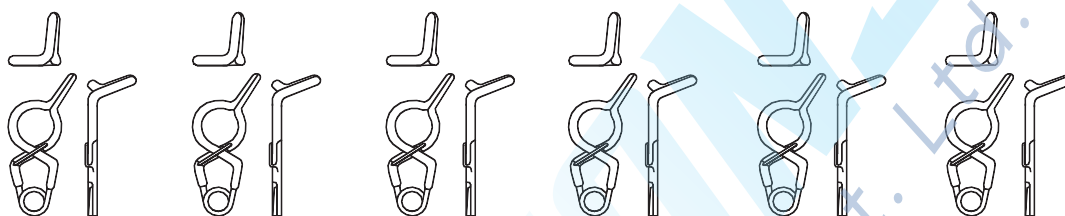
Clips per aneurisma e vasi



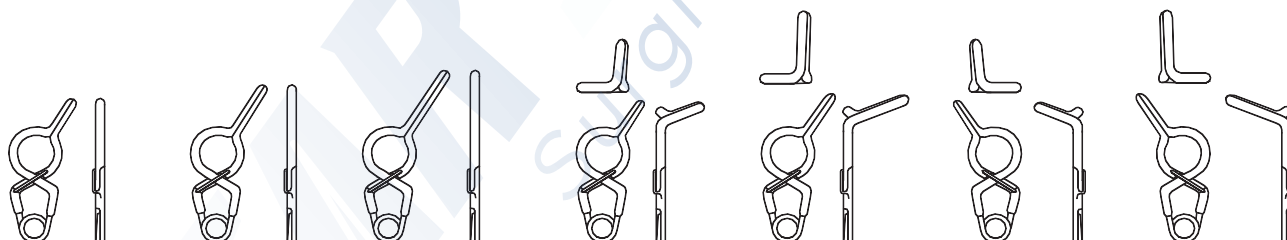
x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure force de fermeture fuerza de cierre pressione

YASARGIL-STANDARD

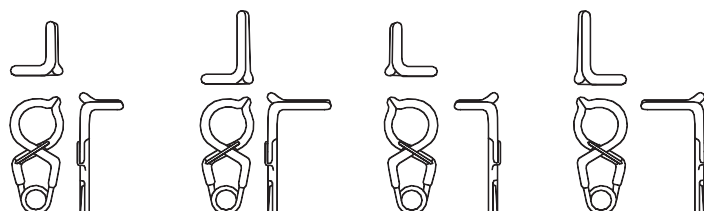
für permanenten Verschluss, mit Fenster 5.0 mm,
aus hochwertigem Implantastahl, antimagnetisch
for permanent closure, with window 5.0 mm,
in high quality implant steel, antignitic
pour fermeture permanente, avec fenestra 5.0 mm,
acier de haute qualité, anti-magnétique
para oclusión permanente, finestr de 5.0 mm,
acero de alta calidad, antimagnético
per chiusura permanente, con finestra di 5.0 mm,
acciaio di alta qualità, antimagnetico



x = 5.0 mm	x = 7.0 mm	x = 10.0 mm	x = 5.0 mm	x = 7.0 mm	x = 10.0 mm
y = 5.8 mm	y = 5.8 mm	y = 5.8 mm	y = 5.8 mm	y = 5.8 mm	y = 5.8 mm
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150
13-164-058	13-165-058	13-166-058	13-167-058	13-168-058	13-169-058
13-164-058T	13-165-058T	13-166-058T	13-167-058T	13-168-058T	13-169-058T



x = 5.0 mm	x = 7.0 mm	x = 10.0 mm	x = 5.0 mm	x = 7.0 mm	x = 5.0 mm	x = 7.0 mm
y = 7.0 mm	y = 7.8 mm	y = 8.8 mm	y = 5.8 mm	y = 6.2 mm	y = 5.8 mm	y = 6.2 mm
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150
13-164-070	13-164-078	13-164-088	341-106-058	13-164-062	341-107-058	13-165-062
13-164-070T	13-164-078T	13-164-088T	341-106-058T	13-164-062T	341-107-058T	13-165-062T



x = 5.0 mm	x = 7.0 mm	x = 5.0 mm	x = 7.0 mm
y = 5.6 mm	y = 5.6 mm	y = 5.6 mm	y = 5.6 mm
gms = 150	gms = 150	gms = 150	gms = 150
13-164-056	13-165-056	13-166-056	13-167-056
13-164-056T	13-165-056T	13-166-056T	13-167-056T

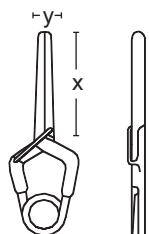
Aneurysmen Gefäßclips

Aneurysm vessel clips

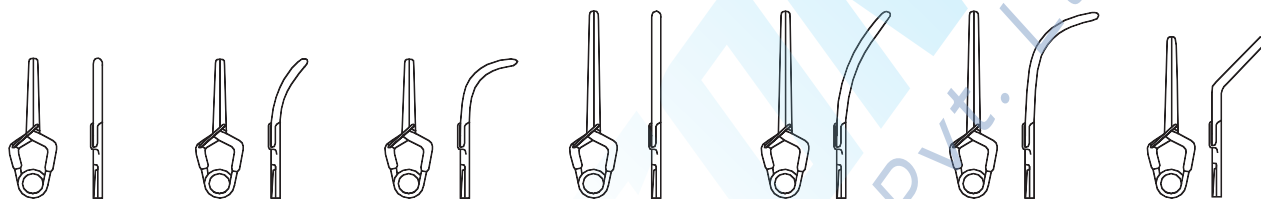
Anévrisme clips

Aneurisma clips

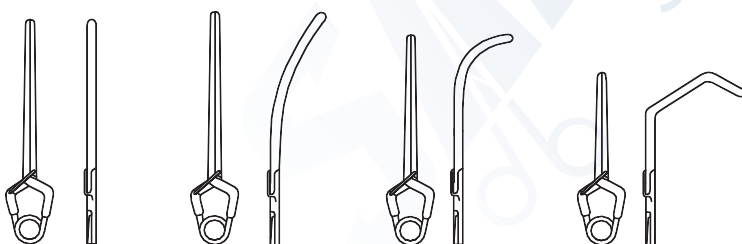
Clips per aneurisma e vasi



x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure force de fermeture fuerza de cierre pressione



x = 9.0 mm	x = 9.0 mm	x = 9.0 mm	x = 15.0 mm	x = 15.0 mm	x = 15.0 mm	x = 9.0 mm
y = 7.0 mm	y = 6.8 mm	y = 6.1 mm	y = 9.2 mm	y = 8.7 mm	y = 7.4 mm	y = 6.2 mm
gms = 90	gms = 90	gms = 110	gms = 90	gms = 110	gms = 110	gms = 110
13-170-070	13-172-068	13-171-061	13-170-092	13-172-087	13-171-074	13-173-078
13-170-070T	13-172-068T	13-171-061T	13-170-092T	13-172-087T	13-171-074T	13-173-078T



x = 20.0 mm	x = 20.0 mm	x = 17.0 mm	x = 13.0 mm
y = 11.4 mm	y = 11.0 mm	y = 9.9 mm	y = 7.5 mm
gms = 110	gms = 90	gms = 90	gms = 90
13-170-114	13-172-110	13-171-099	13-173-075
13-170-114T	13-172-110T	13-171-099T	13-173-075T

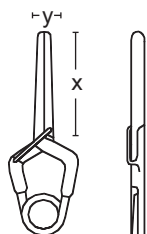
aneurysmen gefäßclips

Aneurysm vessel clips

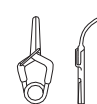
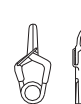
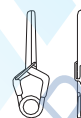
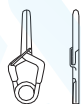
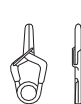
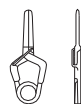
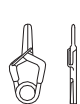
Anévrisme clips

Aneurisma clips

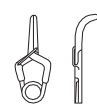
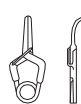
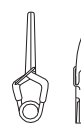
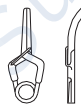
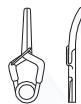
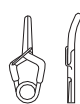
Clips per aneurisma e vasi



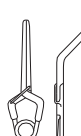
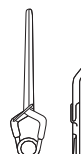
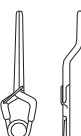
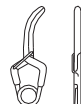
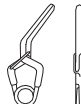
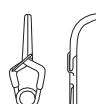
x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure force de fermeture fuerza de cierre pressione



x = 3.0 mm	x = 5.0 mm	x = 3.0 mm	x = 5.0 mm	x = 7.0 mm	x = 3.0 mm	x = 4.0 mm
y = 3.3 mm	y = 4.0 mm	y = 3.3 mm	y = 4.0 mm	y = 4.6 mm	y = 3.2 mm	y = 3.8 mm
gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110
13-174-300	13-175-350	13-176-033	13-176-350	13-177-400	13-178-300	13-179-350
13-174-300T	13-175-350T	13-176-033T	13-176-350T	13-177-400T	13-178-300T	13-179-350T



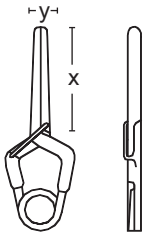
x = 4.0 mm	x = 5.0 mm	x = 4.0 mm	x = 5.0 mm	x = 7.0 mm	x = 4.0 mm	x = 4.0 mm
y = 3.6 mm	y = 3.8 mm	y = 3.6 mm	y = 4.0 mm	y = 4.4 mm	y = 3.6 mm	y = 3.5 mm
gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110
13-179-036	13-180-350	13-180-036	13-180-040	13-181-380	13-182-330	341-692-330
13-179-036T	13-180-350T	13-180-036T	13-180-040T	13-181-380T	13-182-330T	341-692-330T



x = 5.0 mm	x = 5.0 mm	x = 6.0 mm	x = 4.0 mm	x = 7.0 mm	x = 7.0 mm
y = 4.0 mm	y = 3.5 mm	y = 6.0 mm	y = 7.0 mm	y = 5.7 mm	y = 4.5 mm
gms = 110	gms = 130	gms = 130	gms = 130	gms = 130	gms = 130
13-183-350	13-184-300	13-184-060	13-185-070	13-185-500	13-186-400
13-183-350T	13-184-300T	13-184-060T	13-185-070T	13-185-500T	13-186-400T

Aneurysmen Gefäßclips
Aneurysm vessel clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x	y	gms
Maullänge jaw length longueur du mors longitud de la boca lunghezza del morso	max. Maulöffnung max. jaw opening ouverture max. du mors apertura máx. de la boca apertura mass.	Schließkraft closing pressure force de fermeture presión de cierre pressione

YASARGIL-MINI

für temporären Verschluss, aus hochwertigem Implantatstahl, antimagnetisch
for temporary closure, in high quality implant steel, antimagnetic
pour fermeture temporaire, acier de haute qualité, anti-magnétique
para oclusión temporal, acero de alta calidad, antimagnético
per uso temporaneo, acciaio di alta qualità, antimagnetico



x = 3.0 mm	x = 5.0 mm	x = 4.0 mm	x = 7.0 mm	x = 7.0 mm	x = 5.0 mm
y = 3.3 mm	y = 4.0 mm	y = 3.8 mm	y = 4.6 mm	y = 4.4 mm	y = 4.0 mm
gms = 90	gms = 70	gms = 70	gms = 70	gms = 70	gms = 70
13-187-033	13-187-040	13-187-038	13-187-046	13-187-044	13-188-040
13-187-033T	13-187-040T	13-187-038T	13-187-046T	13-187-044T	13-188-040T

Nervenhaken
Nerve hooks

Crochets à nerfs
Ganchos para nervios
Uncini per nervi



SCOVILLE

1:2

200 mm – 8 "

x = 7 mm

13-191-190

1:2

210 mm – 8 ¼ "

x = 7 mm

13-192-190

SCOVILLE

1:2

230 mm – 9 "

x = 8 mm

13-189-230

HOLSHER

1:2

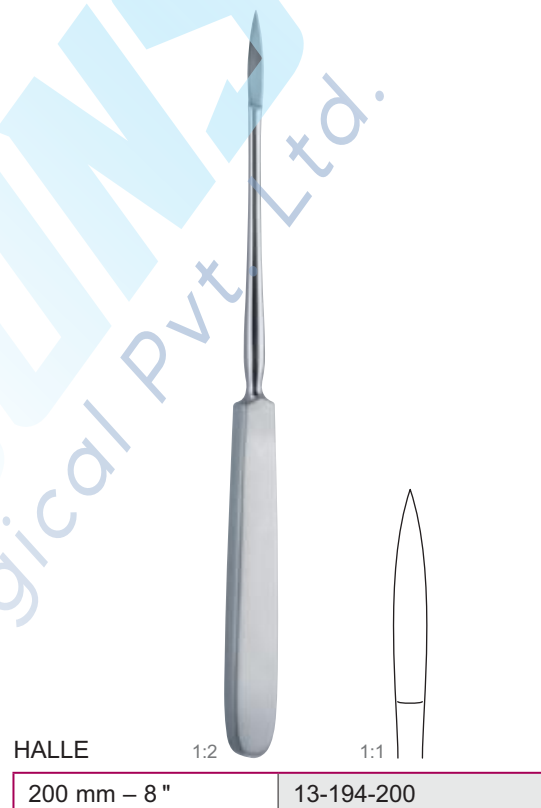
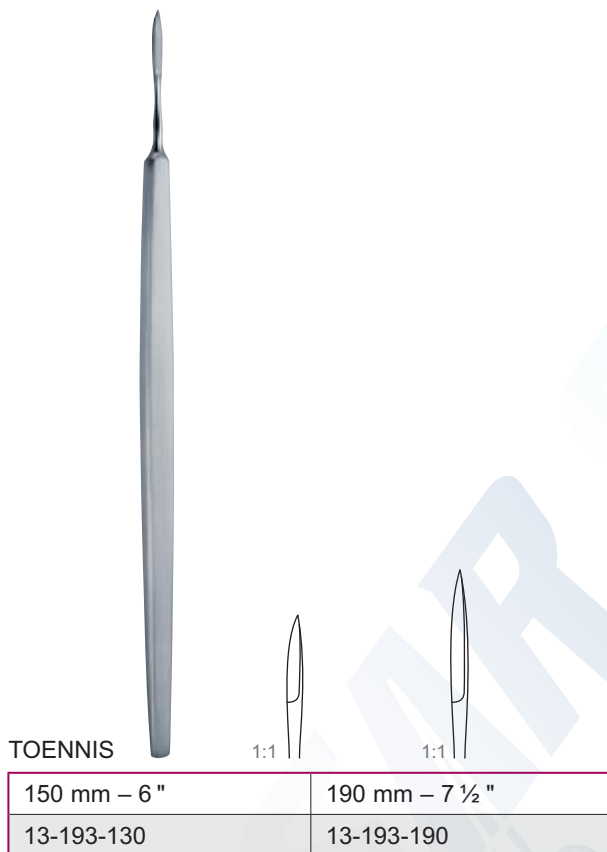
240 mm – 9 ½ "

x = 7 mm

13-190-240

Duramesser
Dura knives

Bistouries pour duremère
Bisturis para duramadre
Bisturi per duramadre



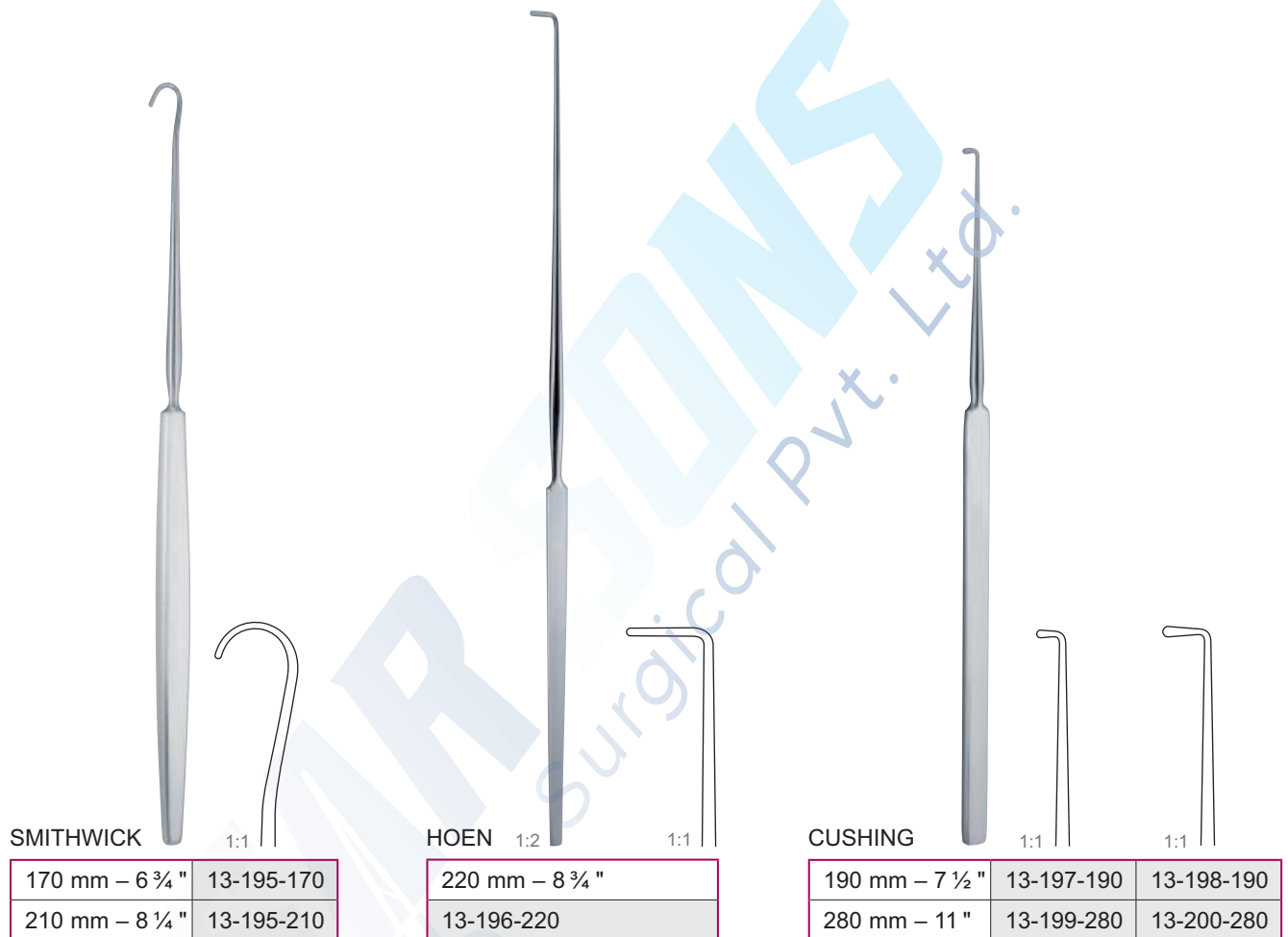
Nervenhaken – durahaken

Nerve hooks – Dura hooks

Crochets à nerfs – Crochets pour duremère

Ganchos para nervios – Ganchos para duramadre

Uncini per nervi – Uncini per duramadre



Nervenhaken – Durahaken

Nerve hooks – Dura hooks

Crochets à nerfs – Crochets pour duremère

Ganchos para nervios – Ganchos para duramadre

Uncini per nervi – Uncini per duramadre



Nervenhaken – durahaken
Nerve hooks – Dura hooks

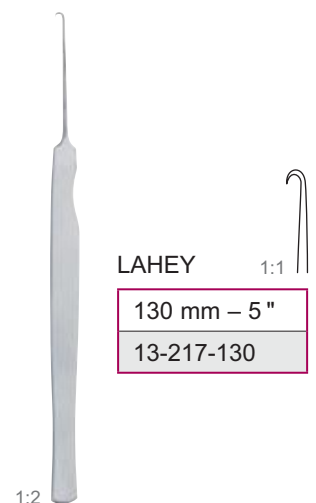
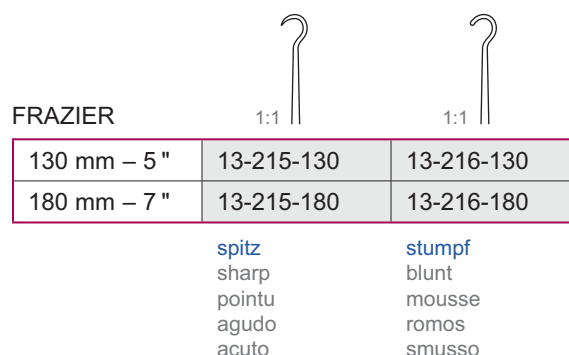
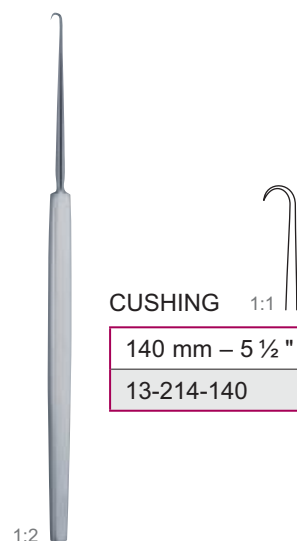
Crochets à nerfs – Crochets pour duremère
Ganchos para nervios – Ganchos para duramadre
Uncini per nervi – Uncini per duramadre



YASARGIL

310 mm – 12 ¼"	13-213-010
410 mm – 16 ¼"	13-213-020

Galeahaken
Galea retractor
Retracteur Galea
Retractor de Galea
Retrottore di Galea



Dura-Dissektoren

Dura dissectors

Décolleurs duremère

Disectores de duramadre

Dissetori per duramadre



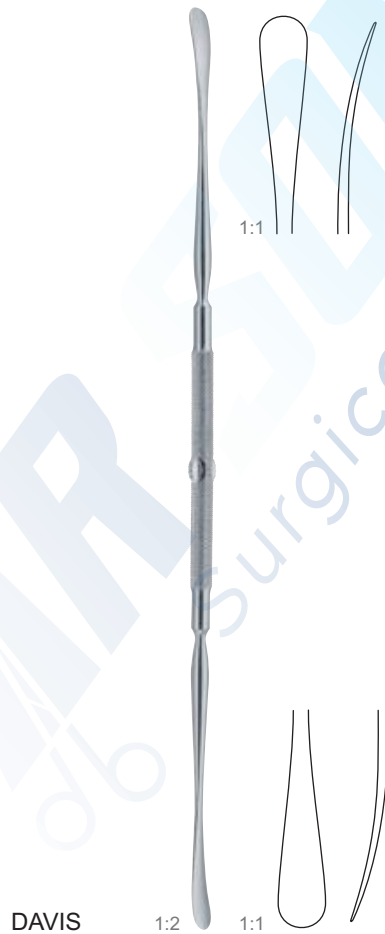
TOENNIS

1:2

1:1

250 mm – 9 ¾ "

13-218-250



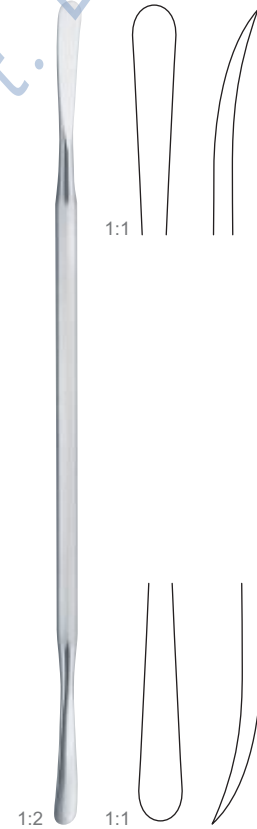
DAVIS

1:2

1:1

245 mm – 9 ¾ "

13-219-245



1:2

1:1

220 mm – 8 ¾ "

13-220-220

dura-dissektoren

Dura dissectors

Décolleurs duremère

Disectores de duramadre

Dissetori per duramadre



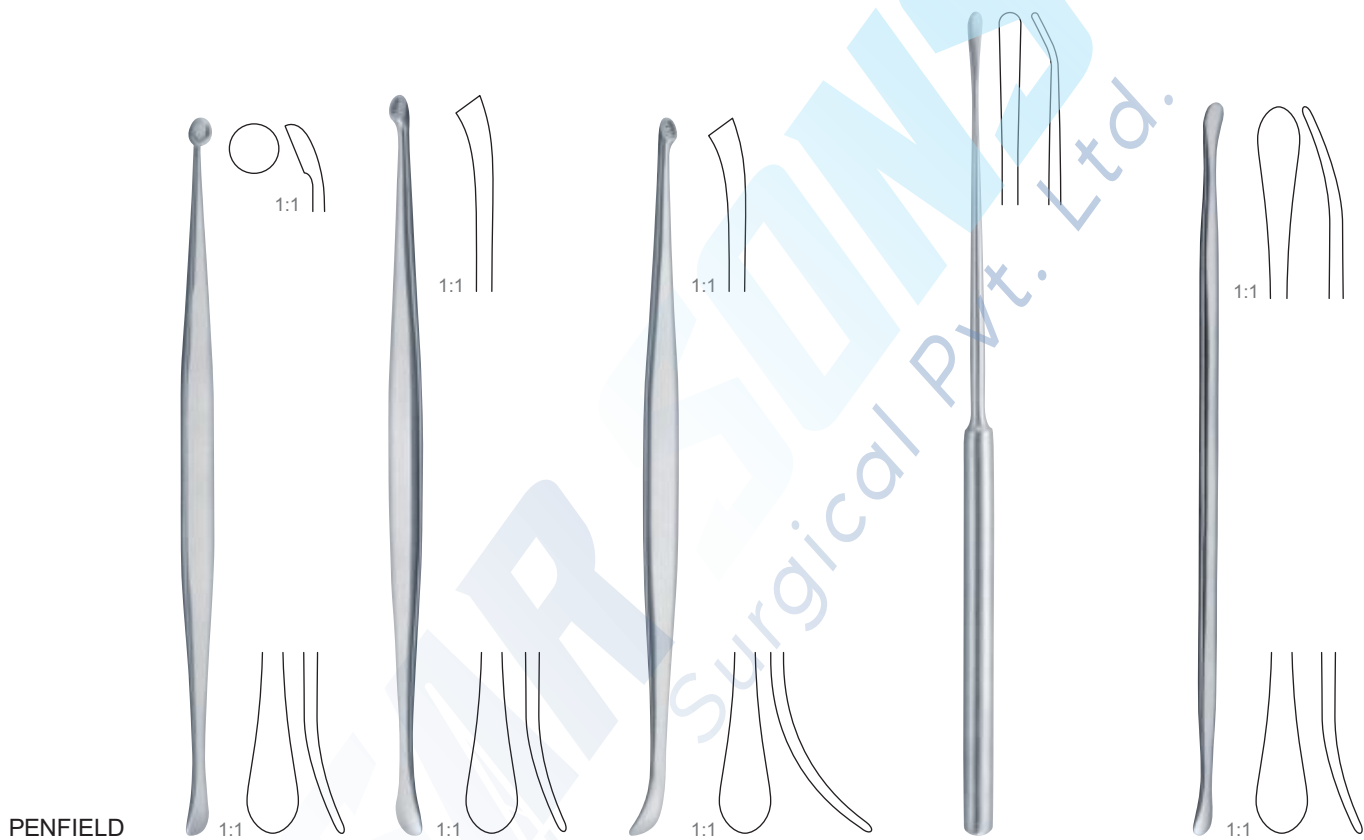
Dura-Dissektoren

Dura dissectors

Décolleurs duremère

Disectores de duramadre

Dissetori per duramadre



PENFIELD

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
175 mm – 7 "	195 mm – 7 ¾ "	195 mm – 7 ¾ "	215 mm – 8 ½ "	185 mm – 7 ¼ "
13-226-010	13-226-020	13-226-030	13-226-040	13-226-050

Neuro-Mikro-dissektoren

Neuro-micro dissectors

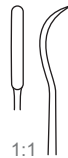
Neuro-micro dissecteurs

Disectores para micro-neurocirugía

Strumento per micro-neuro chirurgia



YASARGIL



190 mm – 7 ½ "	13-227-070	13-227-080	13-227-090	13-227-100	13-227-050
----------------	------------	------------	------------	------------	------------

gerade

straight

droit

recta

rette

190 mm – 7 ½ "	13-228-050	13-228-030	13-228-040	13-229-190	13-228-020
----------------	------------	------------	------------	------------	------------

bajonett

bayonet

baionette

bayoneta

baionetta

YASARGIL



190 mm – 7 ½ "	13-227-060	13-227-040	13-227-030	13-227-010
----------------	------------	------------	------------	------------

gerade

straight

droit

recta

retta

190 mm – 7 ½ "	13-230-010	13-230-020	13-230-030	13-230-040
----------------	------------	------------	------------	------------

bajonett

bayonet

baionette

bayoneta

baionetta



190 mm – 7 ½ "	13-231-100	13-231-180
----------------	------------	------------

gerade, mit Dreh-Fixierhaken

straight, with Twist-fixationhook

droit, avec crochet de fixation

recta, con gancho de fijación

rette, con uncino di fissaggio „Twist“

Neuro-Mikro-Dissektoren
Neuro-micro dissectors

Neuro-micro dissecteurs
Disectores para micro-neurocirugía
Strumento per micro-neuro chirurgia



1:1



190 mm – 7 ½ "	13-232-190	13-233-190	13-234-190	13-235-190	13-236-190
----------------	------------	------------	------------	------------	------------

bajonett
bayonet
baionette
bayoneta
baionetta

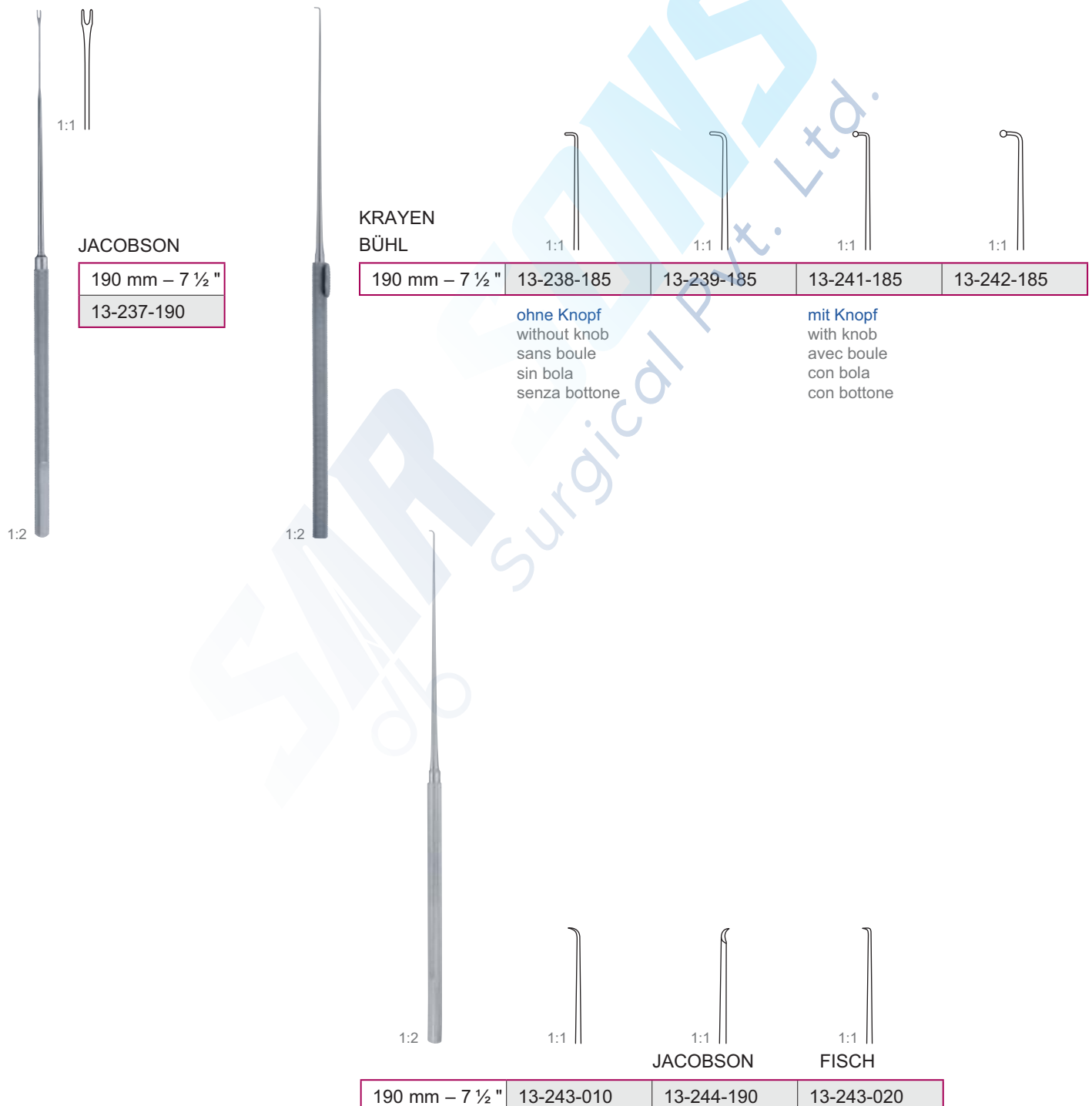
Neuro-Mikro-dissektoren

Neuro-micro dissectors

Neuro-micro dissecteurs

Disectores para micro-neurocirugía

Strumento per micro-neuro chirurgia



Neuro-Dissektoren und Küretten
Neuro dissectors and currettes

Neuro-dissecteurs et curettes
Disectores y curetas para neurocirugía
Scollatori per neuro-chirurgia



HARDY

1:2

1:2

1:2

1:2

HARDY

1:2

1:2

250 mm – 9 ¾"	13-245-020	13-246-020	13-246-030	13-245-010
---------------	------------	------------	------------	------------

bajonett, innen scharf

bayonet, sharp inner edge
baionette, tranchant à l'interno
bayoneta, cortante al interno
baionetta, acuto all'interno

	4 mm Ø	6 mm Ø
270 mm – 10 ¾"	13-247-040	13-247-060

bajonett, biegsam

bayonet, malleable
baionette, malléable
bayoneta, maleable
baionetta, flessibile

Mikro-Federschere

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



1:1

VANNAS

1:1



1:1



80 mm – 3 ¼ "

13-248-085

13-249-085

Vannas-Schneide

Vannas-blade

Lame de Vannas

Hoja de Vannas

Lama Vannas

Mikro-Federscheren

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



1:1



1:1



1:1

120 mm – 4 3/4"	13-250-120	13-251-110
-----------------	------------	------------

Schneide 10 mm, spitz

Blade 10 mm, sharp

Lame 10 mm, pointu

Hoja 10 mm, agudas

Lama 10 mm, acuta

gerade

straight

droit

recta

retta

gebogen

curved

courbe

curva

curva



1:1



1:1



1:1

120 mm – 4 3/4"	13-252-120	13-253-120	05-229-120
-----------------	------------	------------	------------

Vannas-Schneide

Vannas blade

Lama de Vannas

Hoja de Vannas

Vannas-lama

gerade

straight

droit

recta

retta

gebogen

curved

courbe

curva

curva

aufgewinkelt

angled up

angulaire

acodada

angolata



1:1

BIEMER

120 mm – 4 3/4"	309-256-120
-----------------	-------------

Venen-Schneide

Vein blade

Lame pour vènes

Hoja para venas

Lama per vene

gerade

straight

droit

recta

retta

Mikro-federscheren

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



1:1

1:1

1:1

1:1

160 mm – 6 3/8 "	05-640-160	05-641-160	05-644-160	05-645-160
------------------	------------	------------	------------	------------

gerade, kurze Schneide **gebogen, kurze Schneide** **gerade, lange Schneide** **gebogen, lange Schneide**

curved, short blades
courbes, lames courtes
curva, hojas cortas
curva, lama corta

straight, long blades
droites, lames longues
recta, hojas largas
retta, lama lunga

straight, long blades
droites, lames longues
recta, hojas largas
retta, lama lunga

curved, long blades
courbes, lames longues
curva, hojas largas
curva, lama lunga

1:1

1:1

160 mm – 6 3/8 "	05-642-160	05-643-160
------------------	------------	------------

gerade, gezahnt
straight, saw edge
droites, dentelés
recta, dentadas
retta, dentata

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentadas
curva, dentata

1:1

150 mm – 6 "	05-647-150
180 mm – 7 "	05-647-180

kniegebogen, 45°
angled on flat, 45°
angulaires, 45°
acodada, 45°
angolata, 45°

Mikro-federscheren

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



1:1



1:1



1:1

120 mm – 4 ¾"

13-254-120

13-255-120

Lange Schneide 14 mm, glatt, spitz **gerade**
Long blades 14 mm, smooth, sharp **straight**
Lames longues 14 mm, lisses, pointues **droites**
Hojas largas 14 mm, lisas, agudas **recta**
Lama lunga 14 mm, liscia, acuta **retta**

gebogen
curved
courbes
curva
curva



1:1



1:1

120 mm – 4 ¾"

05-642-120

05-643-120

Lange Schneide 14 mm, spitz **gerade, gezahnt**
Long blades 14 mm, sharp **straight, saw edge**
Lames longues 14 mm, pointues **droites, dentelés**
Hojas largas 14 mm, agudas **recta, dentadas**
Lama lunga 14 mm, acuta **retta, dentata**

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentadas
curva, dentata



1:1



1:1

145 mm – 5 ¾"

13-252-145

13-253-145

Vannas-Schneide, glatt, spitz **gerade**
Vannas-blades, smooth, sharp **straight**
Lames de Vannas, lisses, pointues **droites**
Hojas de Vannas, lisas, agudas **recta**
Vannas-lama, liscia, acuta **retta**

gebogen
curved
courbes
curva
curva

Mikro-federscheren

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



1:1

YASARGIL

1:1

1:1

1:1

185 mm – 7 ¼"

13-254-185

13-255-185

13-256-190

gerade
straight
droit
recta
retta

gebogen
curved
courbe
curva
curva

kniegebogen
angled on flat
angulaires
acodada
angolata

Mikro-federscheren

Micro scissors

Micro ciseaux à ressorts

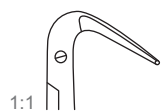
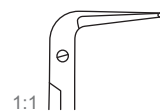
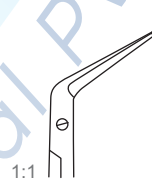
Micro tijeras con resorte

Forbici per microchirurgia



1:1

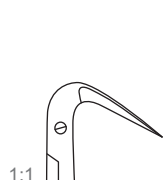
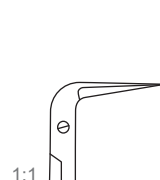
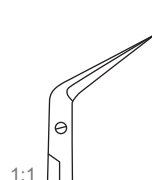
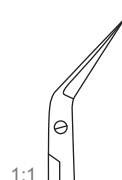
YASARGIL



	25°	45°	60°	90°	125°
170 mm – 6 3/4"	13-257-025	13-257-045	13-257-060	13-257-090	13-257-125

mit Knopf
with ball
avec bouton
con botón
con bottone

YASARGIL



	25°	45°	60°	90°	125°
170 mm – 6 3/4"	411-773-025	411-773-045	13-257-060	13-257-090	13-257-125

ohne Knopf
without ball
sans bouton
sin botón
senza bottone

Mikro-Präparierscheren
Micro dissecting scissors

Micro ciseaux à dissection

Micro tijeras de disección

Forbici per micro chirurgia con manico rotondo



145 mm – 5 3/4"	13-258-140	13-259-140	13-260-140	13-261-140
180 mm – 7"	13-258-180	13-259-180	13-260-180	13-261-180

kurze Schneide 8 mm, glatt gerade, spitz
short blades 8 mm, smooth straight, sharp
lames courtes 8 mm, lisses droites, pointues
hojas cortas 8 mm, lisos rectas, agudas
lama corta 8 mm, liscia retta, acuta

gebogen, spitz
curved, sharp
courbes, pointues
curvas, agudas
curva, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

gebogen, stumpf
curved, blunt
courbes, mousses
curvas, romas
curva, smussa



145 mm – 5 3/4"	13-258-140L	13-259-140L	13-260-140L	13-261-140L
180 mm – 7"	13-258-180L	13-259-180L	13-260-180L	13-261-180L

lange Schneide 14 mm, glatt gerade, spitz
long blades 14 mm, smooth straight, sharp
lames longues 14 mm, lisses droites, pointues
hojas largas 14 mm, lisos rectas, agudas
lama lunga 14 mm, liscia retta, acuta

gebogen, spitz
curved, sharp
courbes, pointues
curvas, agudas
curva, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

gebogen, stumpf
curved, blunt
courbes, mousses
curvas, romas
curva, smussa

Mikroscheren mit rundgriff

Micro scissors with round handle

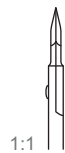
Micro ciseaux avec manche ronde

Micro tijeras con mango redondo

Forbici per micro chirurgia con manico rotondo



VANNAS



	7 mm Ø	7 mm Ø
120 mm – 5"	13-262-120	13-263-120

VANNAS



	8 mm Ø	8 mm Ø
150 mm – 6"	13-262-150	13-263-150

CASTROVIEJO



	8 mm Ø	8 mm Ø
150 mm – 6"	13-264-150	13-265-150

Mikroscheren mit rundgriff

Micro scissors with round handle

Micro ciseaux avec manche ronde

Micro tijeras con mango redondo

Forbici per micro chirurgia con manico rotondo



	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"
10 mm Ø	13-266-180	13-267-180	13-268-180	13-269-180	13-270-180	13-271-180
	gerade, gezahnt straight, saw edge droites, dentelés recta, dentadas retta, dentata	gebogen, gezahnt curved, saw edge courbes, dentelés curva, dentadas curva, dentata	gerade, spitz straight, sharp droites, pointue recta, aguda retta, acuta	gebogen, spitz curved, sharp courbes, pointue curva, aguda curva, acuta	gerade, stumpf straight, blunt droites, mousse recta, roma retta, smussa	gebogen, stumpf curved, blunt courbes, mousse curva, roma curva, smussa

1:1

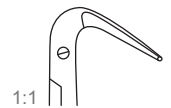
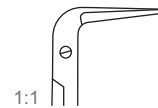
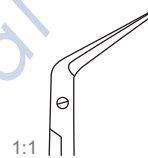
Mikroscheren mit rundgriff

Micro scissors with round handle

Micro ciseaux avec manche ronde

Micro tijeras con mango redondo

Forbici per micro chirurgia con manico rotondo



8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	13-272-025	13-272-045	13-272-060	13-272-090	13-272-125

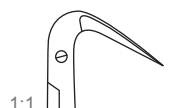
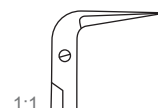
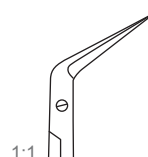
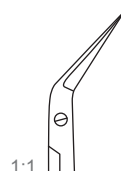
Schneide 10 mm, mit Knopf, spitz

Blade 10 mm, with ball, sharp

Lames 10 mm, avec bouton, pointues

Hojas 10 mm, con botón, agudas

Lama 10 mm, con bottone, acuta



8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	13-273-025	13-273-045	13-273-060	13-273-090	13-273-125

Schneide 10 mm, ohne Knopf, spitz

Blade 10 mm, without ball, sharp

Lames 10 mm, sans bouton, pointues

Hojas 10 mm, sin botón, agudas

Lama 10 mm, senza bottone, acuta

Mikroscheren mit rundgriff

Micro scissors with round handle

Micro ciseaux avec manche ronde

Micro tijeras con mango redondo

Forbici per micro chirurgia con manico rotondo



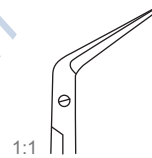
1:1



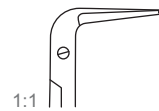
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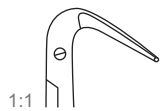
1:1



1:1



1:1



1:1

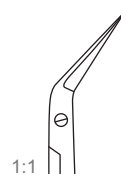
8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	13-274-025	13-274-045	13-274-060	13-274-090	13-274-125

mit Knopf

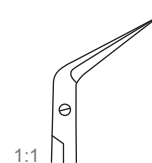
with ball
avec bouton
con botón
con bottone



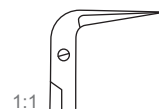
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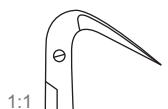
1:1



1:1



1:1



1:1

8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	13-275-025	13-275-045	13-275-060	13-275-090	13-275-125

ohne Knopf

without ball
sans bouton
sin botón
senza bottone

Mikroscheren mit rundgriff

Micro scissors with round handle

Micro ciseaux avec manche ronde

Micro tijeras con mango redondo

Forbici per micro chirurgia con manico rotondo



1:1

1:1



1:1



	9 mm Ø	9 mm Ø
150 mm – 6 "	13-276-150	13-277-150

Mikro-Federschere

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



JACOBSON

1:1



1:1



1:1



160 mm – 6 ¼ "	13-278-155	13-279-155	13-280-160
180 mm – 7 "	13-278-185	13-279-185	13-280-190

gerade
straight
droites
recta
retta

gebogen
curved
courbes
curva
curva

abgewinkelt, 45°
angled, 45°
angulaires, 45°
acodada, 45°
angolata, 45°

1:1



1:1



160 mm – 6 ¼ "	13-281-155	13-282-155
180 mm – 7 "	13-281-185	13-282-185

Vannas Schneide

Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas

Mikro-Federschere

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



YASARGIL-
MOD.

1:1



1:1



180 mm – 7 "	13-283-190	13-284-190
225 mm – 8 ¾"	13-278-225	13-279-225

1:1



1:1



220 mm – 8 ¾"	13-281-225	13-282-225
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Vannas Schneide

Vannas blade

Lame de Vannas

Hoja de Vannas

Lama Vannas

Mikro-federscheren

Micro scissors

Micro ciseaux à ressorts

Micro tijeras con resorte

Forbici per microchirurgia



200 mm – 8"	13-285-001	13-285-002	13-285-003	13-285-004
225 mm – 8 ¾"	13-286-001	13-286-002	13-286-003	13-286-004

Schneide glatt, spitz
Blade smooth, sharp
Lames lisses, pointues
Hojas lisas, agudas
Lama liscia, acuta

gerade
straight
droites
recta
retta

gebogen
curved
courbes
curva
curva

gerade, gezahnt
straight, saw edge
droites, dentelés
recta, dentadas
retta, dentata

gebogen, gezahnt
curved, saw edge
courbes, dentelés
curva, dentadas
curva, dentata



200 mm – 8"	13-285-005	13-285-006
225 mm – 8 ¾"	13-286-005	13-286-006

Vannas Schneide

Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas



200 mm – 8"	13-285-007	13-285-008
225 mm – 8 ¾"	13-286-007	13-286-008

Präparier-Schneide, stumpf

Dissector blade, blunt
Lames de dissction, moussé
Hojas de disección, roma
Lama da dissezione, smussa

fixierpinzetten – gefäßdilatoren

Fixation forceps – Vascular dilators

Pinces à fixation – Dilatateurs vasculaires

Pinzas de fijación – Dilatadores vasculares

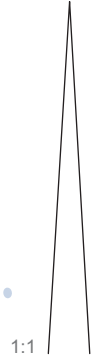
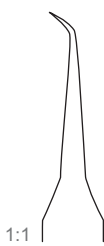
Pinze di fissaggio – Pinze per allargare i vasi



TYP
JUWELIER 1:1

XX

X



x = 0.2 mm	x = 0.3 mm	x = 0.3 mm	x = 0.2 mm	x = 0.3 mm
110 mm – 4 1/4"	110 mm – 4 1/4"	110 mm – 4 1/4"	120 mm – 4 3/4"	120 mm – 4 3/4"
13-287-004	13-287-045	13-287-090	13-287-005	13-287-001

titan	titan	titan
x = 0.2 mm	x = 0.3 mm	x = 0.3 mm
110 mm – 4 1/4"	110 mm – 4 1/4"	110 mm – 4 1/4"
13-288-004	13-288-045	13-288-090



PIERSE

1:1



120 mm – 4 3/4"	13-289-120
135 mm – 5 1/4"	13-289-135

1:1



1:1



x = 0.2 mm	x = 0.3 mm
110 mm – 4 1/4"	13-290-007
	13-290-008

sehr fein
very fine
très fin
muy fino
molto fino

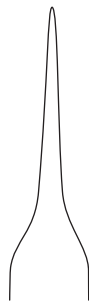
Mikro-Knüpfpinzetten
Micro suture tying forceps

Pinces à fixation – Dilatateurs vasculaires
Pinzas de fijaciòn – Dilatadores vasculares
Pinze di fissaggio – Pinze per allargare i vasi



LAZAR

1:1



1:1



	0.5 mm	0.8 mm
155 mm – 6"	13-291-155	13-292-155

Mikropinzetten

Micro forceps

Micro pincers

Micro pinzas

Pinze per microchirurgia



8 mm Ø	0.3 mm	0.3 mm	0.3 mm	0.3 mm
120 mm – 4 ¾"	13-293-120	13-294-120		
150 mm – 6"	13-296-150	13-295-150	13-296-150Z	13-295-150Z
180 mm – 7"	13-293-180	13-294-180	13-293-180Z	13-294-180Z
210 mm – 8 ¼"	13-296-210	13-295-210	13-296-210Z	13-295-210Z
230 mm – 9"	13-296-230	13-295-230	13-296-230Z	13-295-230Z

Fadenplatte 6,0 mm x 0,3 mm, glatt

Tying platform 6.0 mm x 0.3 mm, smooth

Plate-forme 6.0 mm x 0.3 mm, lisse

Plataforma 6.0 mm x 0.3 mm, lisa

Piano per sutura 6.0 mm x 0.3 mm, liscio

1 x 2

1 x 2

	Titan	Titan	Titan	Titan
8 mm Ø	0.3 mm	0.3 mm	0.3 mm	0.3 mm
150 mm – 6"	13-296-150T	13-295-150T	13-296-150ZT	13-295-150ZT
180 mm – 7"	13-296-180T	13-295-180T	13-296-180ZT	13-295-180ZT
210 mm – 8 ¼"	13-296-210T	13-295-210T	13-296-210ZT	13-295-210ZT

Fadenplatte 6,0 mm x 0,3 mm, glatt

Tying platform 6.0 mm x 0.3 mm, smooth

Plate-forme 6.0 mm x 0.3 mm, lisse

Plataforma 6.0 mm x 0.3 mm, lisa

Piano per sutura 6.0 mm x 0.3 mm, liscio

1 x 2

1 x 2



8 mm Ø	0.7 mm	0.7 mm	0.7 mm	0.7 mm
150 mm – 6"	13-297-150	13-298-150	13-299-150Z	13-300-150Z
180 mm – 7"	13-297-180	13-298-180	13-299-180Z	13-300-180Z
210 mm – 8 ¼"	13-297-210	13-298-210	13-299-210Z	13-300-210Z
230 mm – 9"	13-297-230	13-298-230	13-299-230Z	13-300-230Z

Fadenplatte 6,0 mm x 0,7 mm, glatt

Tying platform 6.0 mm x 0.7 mm, smooth

Plate-forme 6.0 mm x 0.7 mm, lisse

Plataforma 6.0 mm x 0.7 mm, lisa

Piano per sutura 6.0 mm x 0.7 mm, liscio

1 x 2

1 x 2

	Titan	Titan	Titan	Titan
8 mm Ø	0.7 mm	0.7 mm	0.7 mm	0.7 mm
150 mm – 6"	13-297-150T	13-298-150T	13-299-150ZT	13-300-150ZT
180 mm – 7"	13-297-180T	13-298-180T	13-299-180ZT	13-300-180ZT
210 mm – 8 ¼"	13-297-210T	13-298-210T	13-299-210ZT	13-300-210ZT

Fadenplatte 6,0 mm x 0,7 mm, glatt

Tying platform 6.0 mm x 0.7 mm, smooth

Plate-forme 6.0 mm x 0.7 mm, lisse

Plataforma 6.0 mm x 0.7 mm, lisa

Piano per sutura 6.0 mm x 0.7 mm, liscio

1 x 2

1 x 2



Mikropinzetten

Micro forceps

Micro pincers

Micro pinzas

Pinze per microchirurgia



	Diamond Coated	Diamond Coated	Diamond Coated	Diamond Coated
8 mm Ø	0.3 mm	0.3 mm	0.3 mm	0.3 mm
150 mm – 6 "	13-296-150D	13-295-150D	13-296-150ZD	13-295-150ZD
180 mm – 7 "	13-293-180D	13-294-180D	13-293-180ZD	13-294-180ZD
210 mm – 8 ¼ "	13-296-210D	13-295-210D	13-296-210ZD	13-295-210ZD
230 mm – 9 "	13-296-230D	13-295-230D	13-296-230ZD	13-295-230ZD

Fadenplatte 6,0 mm x 0,3 mm

Tying platform 6.0 mm x 0.3 mm

Plate-forme 6.0 mm x 0.3 mm

Plataforma 6.0 mm x 0.3 mm

Piano per sutura 6.0 mm x 0.3 mm

1 x 2

1 x 2



	Diamond Coated	Diamond Coated	Diamond Coated	Diamond Coated
8 mm Ø	0.7 mm	0.7 mm	0.7 mm	0.7 mm
150 mm – 6 "	13-297-150D	13-298-150D	13-299-150ZD	13-300-150ZD
180 mm – 7 "	13-297-180D	13-298-180D	13-299-180ZD	13-300-180ZD
210 mm – 8 ¼ "	13-297-210D	13-298-210D	13-299-210ZD	13-300-210ZD
230 mm – 9 "	13-297-230D	13-298-230D	13-299-230ZD	13-300-230ZD

Fadenplatte 6,0 mm x 0,7 mm

Tying platform 6.0 mm x 0.7 mm

Plate-forme 6.0 mm x 0.7 mm

Plataforma 6.0 mm x 0.7 mm

Piano per sutura 6.0 mm x 0.7 mm

1 x 2

1 x 2

Mikropinzetten

Micro forceps

Micro pincers

Micro pinzas

Pinze per microchirurgia



JACOBSON

160 mm – 6 ¼"	13-301-160	13-302-160	13-303-160	13-304-160
185 mm – 7 ¼"	13-301-185	13-302-185	13-303-185	13-304-185

gerade, spitz
straight, sharp
droites, pointues
rectas, agudas
retta, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

abgewinkelt, spitz
angled, sharp
angulaire, pointue
acodada, aguda
angolata, acuta

abgewinkelt, stumpf
angled, blunt
angulaire, mousse
acodada, roma
angolata, smussa

	Diamond Coated	Diamond Coated	Diamond Coated	Diamond Coated
160 mm – 6 ¼"	13-301-160D	13-302-160D	13-303-160D	13-304-160D
185 mm – 7 ¼"	13-301-185D	13-302-185D	13-303-185D	13-304-185D

gerade, spitz
straight, sharp
droites, pointues
rectas, agudas
retta, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

abgewinkelt, spitz
angled, sharp
angulaire, pointue
acodada, aguda
angolata, acuta

abgewinkelt, stumpf
angled, blunt
angulaire, mousse
acodada, roma
angolata, smussa

Mikropinzetten

Micro forceps

Micro pincers

Micro pinzas

Pinze per microchirurgia



YASARGIL



	225 mm – 8 ¾ "	225 mm – 8 ¾ "	225 mm – 8 ¾ "
3.0 mm	13-305-220	13-306-220	13-307-220
5.0 mm	13-308-220	13-309-220	13-310-220

löffelförmig

spoon form
forme de cuillère
forma de cuchara
forma di cucchiaio

flach gezahnt

plan toothed
dentelé
dentada
dentato

kürettenförmig

curette form
forme de curette
forma de cureta
forma di curetta

Mikropinzetten

Micro forceps

Micro pincers

Micro pinzas

Pinze per microchirurgia



YASARGIL

160 mm – 1 1/3"	13-311-160	13-312-160
180 mm – 1 1/2"	13-311-180	13-312-180
200 mm – 8"	13-311-200	13-312-200
225 mm – 8 3/4"	13-311-220	13-312-220
240 mm – 9 1/2"	13-311-240	13-312-240

gerade, spitz
straight, sharp
droites, pointues
rectas, agudas
retta, acuta

gerade, stumpf
straight, blunt
droites, mousses
rectas, romas
retta, smussa

Mikro-ringpinzetten

Micro ring forceps

Micro pinces avec anneaux

Micro pinzas con anillos

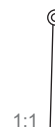
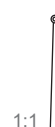
Micro pinze con anelli



			Diamond coated	Diamond coated
9 mm Ø	1.0 x 0.5 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm – 6 "	13-313-150	13-313-151	13-313-150D	13-313-151D
180 mm – 7 "	13-313-180	13-313-181	13-313-180D	13-313-181D
210 mm – 8 ¼ "	13-313-210	13-313-211	13-313-210D	13-313-211D
230 mm – 9 "	13-313-230	13-313-231	13-313-230D	13-313-231D

glatt
smooth
lisse
lisa
liscia

glatt
smooth
lisse
lisa
liscia



	Titan	Titan	Titan / diamond coated	Titan / diamond coated
9 mm Ø	1.0 x 0.5 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm – 6 "	13-313-150T	13-313-151T	13-313-150DT	13-313-151DT
180 mm – 7 "	13-313-180T	13-313-181T	13-313-180DT	13-313-181DT
210 mm – 8 ¼ "	13-313-210T	13-313-211T	13-313-210DT	13-313-211DT
230 mm – 9 "	13-313-230T	13-313-231T	13-313-230DT	13-313-231DT

glatt
smooth
lisse
lisa
liscia

glatt
smooth
lisse
lisa
liscia

atraumatische Mikropinzetten

Atraumatic micro forceps

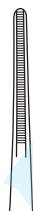
Micro pinces atraumatiques

Micro pinzas atraumáticas

Micro pinze atraumatiche



x ← x →



	Atrauma	Atrauma	Atrauma	Atrauma
	x = 1.2 mm	x = 1.8 mm	x = 1.2 mm	x = 1.8 mm
150 mm – 6 "	13-314-150	13-315-150	13-316-150	13-317-150
180 mm – 7 "	13-314-180	13-315-180	13-316-180	13-317-180
210 mm – 8 ¼ "	13-314-210	13-315-210	13-316-210	13-317-210
230 mm – 9 "	13-314-230	13-315-230	13-316-230	13-317-230

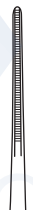
gerade
straight
droites
recta
retta

gerade
straight
droites
recta
retta

abgewinkelt
angled
angulaire
acodada
angolata

abgewinkelt
angled
angulaire
acodada
angolata

x ← x →



	Titan	Titan	Titan	Titan
	x = 1.2 mm	x = 1.8 mm	x = 1.2 mm	x = 1.8 mm
150 mm – 6 "	13-314-150T	13-315-150T	13-316-150T	13-317-150T
180 mm – 7 "	13-314-180T	13-315-180T	13-316-180T	13-317-180T
210 mm – 8 ¼ "	13-314-210T	13-315-210T	13-316-210T	13-317-210T
230 mm – 9 "	13-314-230T	13-315-230T	13-316-230T	13-317-230T

gerade
straight
droites
recta
retta

gerade
straight
droites
recta
retta

abgewinkelt
angled
angulaire
acodada
angolata

abgewinkelt
angled
angulaire
acodada
angolata

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



1:1

CASTROVIEJO

1:1

1:1

1:1

1:1

			Diamond Coated	Diamond Coated
x = 11.0 mm x 0.75 mm				
140 mm – 5 ½"	13-318-140	13-319-140	13-318-140D	13-319-140D

ohne Sperre, feines Maul
without ratchet, fine jaws
sans crémaillère, mors fine
sin cremallera, boca fina
senza cremagliera, morso finetto

gerade
straight
droites
recta
finetto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

			Diamond Coated	Diamond Coated
x = 11.0 mm x 0.75 mm				
140 mm – 5 ½"	13-320-140	13-321-140	13-320-140D	13-321-140D

mit Sperre, feines Maul
with ratchet, fine jaws
avec crémaillère, mors fine
con cremallera, boca fina
con cremagliera, morso finetto

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

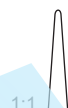
gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi

JACOBSON



			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
185 mm – 7 1/8"	13-322-185	13-323-185	13-322-185D	13-323-185D

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
185 mm – 7 1/8"	13-324-185	13-325-185	13-324-185D	13-325-185D

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo



	TC	TC	TC	TC
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	13-326-180	13-327-180	13-328-180	13-329-180

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade, glatt
straight, smooth
droit, lisse
curva, lisa
retto, liscio

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato

	TC	TC	TC	TC
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	13-330-180	13-331-180	13-332-180	13-333-180

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade, glatt
straight, smooth
droit, lisse
curva, lisa
retto, liscio

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato



Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



YASARGIL



			Diamond Coated	Diamond Coated
180 mm – 7 "	13-334-180	13-335-180	13-334-180D	13-335-180D
200 mm – 8 "	13-334-200	13-335-200	13-334-200D	13-335-200D

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

			Diamond Coated	Diamond Coated
180 mm – 7 "	13-336-180	13-337-180	13-336-180D	13-337-180D
200 mm – 8 "	13-336-200	13-337-200	13-336-200D	13-337-200D

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

Mikronadelhalter mit rundgriff

Micro needle holders with round handle

Micro porte aiguilles avec manche ronde

Micro porta agujas con mango redondo

Micro porta aghi con manico rotondo



YASARGIL



			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	13-338-210	13-339-210	13-338-210D	13-339-210D

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

			Diamond Coated	Diamond Coated
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	13-340-210	13-341-210	13-340-210D	13-341-210D

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo



	TC	TC	TC	TC
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	13-338-210TCG	13-339-210TCG	13-338-210TCS	13-339-210TCS

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade, glatt
straight, smooth
droit, lisse
curva, lisa
retto, liscio

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato

	TC	TC	TC	TC
	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8 1/4"	13-340-210TCG	13-341-210TCG	13-340-210TCS	13-341-210TCS

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade, glatt
straight, smooth
droit, lisse
curva, lisa
retto, liscio

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato

1:1

Mikronadelhalter mit rundgriff

Micro needle holders with round handle

Micro porte aiguilles avec manche ronde

Micro porta agujas con mango redondo

Micro porta aghi con manico rotondo



110 mm – 4 ¼"	13-342-110	13-343-110
125 mm – 5"	13-342-125	13-343-125
130 mm – 5"	13-342-130	13-343-130
150 mm – 6"	13-342-150	13-343-150
180 mm – 7"	13-342-180	13-343-180

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

110 mm – 4 ¼"	13-344-110	13-345-110
125 mm – 5"	13-344-125	13-345-125
130 mm – 5"	13-344-130	13-345-130
150 mm – 6"	13-344-150	13-345-150
180 mm – 7"	13-344-180	13-345-180

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

Mikronadelhalter mit rundgriff

Micro needle holders with round handle

Micro porte aiguilles avec manche ronde

Micro porta agujas con mango redondo

Micro porta aghi con manico rotondo



BARRAQUER



				Diamond Coated	Diamond Coated
140 mm – 5 ½"	8 mm Ø	13-346-140	13-347-140	13-346-140D	13-347-140D

ohne Sperre, sehr feines Maul
without ratchet, extra delicate jaws
sans crémaillère, mors très fine
sin cremallera, boca muy fina
senza cremagliera, morso molto fino

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbe
curva
curvo

				Diamond Coated	Diamond Coated
140 mm – 5 ½"	8 mm Ø	13-348-140	13-349-140	13-348-140D	13-349-140D

mit Sperre, sehr feines Maul
with ratchet, extra delicate jaws
avec crémaillère, mors très fine
con cremallera, boca muy fina
con cremagliera, morso molto fino

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

1:1

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



1:1

1:1

150 mm – 6 "	9 mm Ø	13-350-150
--------------	--------	------------

ohne Sperre, gebogen
without ratchet, curved
sans crémaillère, courbe
sin cremallera, curvo
senza cremagliera, curvo

Mikronadelhalter mit gedrehtem Schluss

Micro needle holders, 90° twisted

Micro porte aiguilles, tordus de 90°

Micro porta agujas, giradas de 90°

Porta aghi per micro-neurochirurgia



	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8"	13-351-200	13-352-200	13-353-200	13-354-200
225 mm – 8 ¾"	13-351-220	13-352-220	13-353-220	13-354-220
240 mm – 9 ½"	13-351-240	13-352-240	13-353-240	13-354-240

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

	Diamond Coated	Diamond Coated	Diamond Coated	Diamond Coated
	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8"	13-351-200D	13-352-200D	13-353-200D	13-354-200D
225 mm – 8 ¾"	13-351-220D	13-352-220D	13-353-220D	13-354-220D
240 mm – 9 ½"	13-351-240D	13-352-240D	13-353-240D	13-354-240D

ohne Sperre, diamantiert
without ratchet, diamond coated
sans crémaillère, diamanté
sin cremallera, diamantada
senza cremagliera, diamantato

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva



Diese Nadelhalter sind auch mit Sperre erhältlich.

These needle holders are also available with ratchet.

Ces porte aiguilles sont également disponibles avec crémaillère.

Estas porta agujas también son disponibles con cremallera.

Questi port'aghi sono fornibili anche con cremagliera.

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



JACOBSON

1:1

1:1

1:1

1:1

			Diamond Coated	Diamond Coated
180 mm – 7"	13-355-185	13-356-185	13-355-185D	13-356-185D

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

			Diamond Coated	Diamond Coated
180 mm – 7"	13-357-185	13-358-185	13-357-185D	13-358-185D

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curva

Diese Nadelhalter sind auch mit Sperre erhältlich.

These needle holders are also available with ratchet.

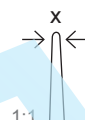
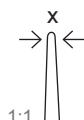
Ces porte aiguilles sont également disponibles avec crémaillère.

Estas porta agujas también son disponibles con cremallera.

Questi port'aghi sono fornibili anche con cremagliera.

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



			Diamond Coated	Diamond Coated
9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	13-359-001	13-359-002	13-359-003D	13-359-004D

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

			Diamond Coated	Diamond Coated
9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	13-360-001	13-360-002	13-360-003D	13-360-004D

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo

gerade
straight
droites
recta
retto

gebogen
curved
courbes
curva
curvo



	TC	TC	TC	TC
9 mm Ø				
230 mm – 9"	13-361-001	13-361-002	13-361-003	13-361-004

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade, glatt
straight, smooth
droit, lisse
curva, lisa
retto, liscio

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato

	TC	TC	TC	TC
9 mm Ø				
230 mm – 9"	13-362-001	13-362-002	13-362-003	13-362-004

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade, glatt
straight, smooth
droit, lisse
curva, lisa
retto, liscio

gebogen, glatt
curved, smooth
courbe, lisse
curva, lisa
curvo, liscio

gerade, gerieft
straight, serrated
droit, strié
recta, estriada
retto, zigrinato

gebogen, gerieft
curved, serrated
courbe, strié
curva, estriada
curvo, zigrinato

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



	titan	titan
	0.3 mm x 0.4 mm	0.3 mm x 0.4 mm
180 mm – 7"	13-363-180	13-364-180

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera



	titan	titan
	0.8 mm x 0.8 mm	0.8 mm x 0.8 mm
185 mm – 7 ¼"	13-365-185	13-366-185

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



	titan	titan
	0.5 mm x 0.8 mm	0.5 mm x 0.8 mm
200 mm – 8"	13-367-200	13-368-200

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera



	titan	titan	titan	titan
	0.4 x 0.6 mm	0.4 x 0.6 mm	0.6 x 0.6 mm	0.6 x 0.6 mm
200 mm – 8"	13-369-200	13-370-200	13-371-200	13-372-200

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



1:1

1:1

225 mm – 8 ¾"	13-373-225	13-374-225
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	TC	TC
225 mm – 8 ¾"	13-375-225	13-361-225

	Titan	Titan
225 mm – 8 ¾"	13-376-225	13-377-225

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

	Titan	Titan
225 mm – 8 ¾"	13-378-225	13-379-225
225 mm – 8 ¾"	13-380-225	13-381-225

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

1:1

laminektomiestanzen
Laminectomy punches

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

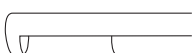


1:1 	1:1 	1:1 	1:1 	1:1 	1:1 
1 mm	2 mm	3 mm	4 mm	5 mm	6 mm

FERRIS-SMITH-KERRISON



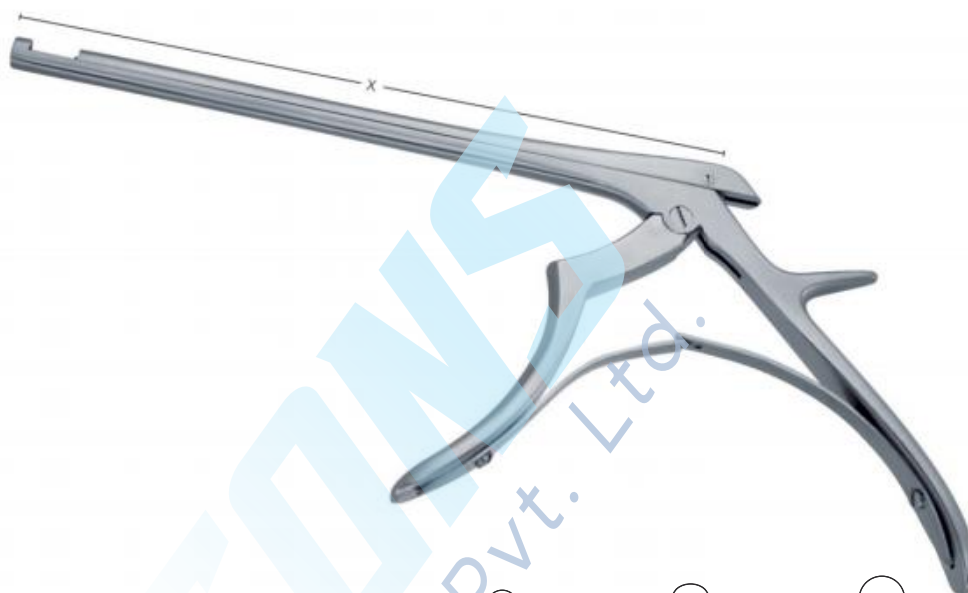
	x = 150mm – 6"	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	13-382-001	13-383-010	13-385-010	13-386-001
2 mm	13-382-002	13-384-002	13-385-020	13-386-002
3 mm	13-382-003	13-384-003	13-385-030	13-386-003
4 mm	13-382-004	13-383-040	13-385-040	13-386-004
5 mm	13-382-005	13-384-005	13-385-050	13-386-005
6 mm	13-382-006	13-383-060	13-385-060	13-386-006



1 mm	13-387-001	13-388-010	13-390-010	13-391-001
2 mm	13-387-002	13-389-002	13-390-020	13-391-002
3 mm	13-387-003	13-389-003	13-390-030	13-391-003
4 mm	13-387-004	13-388-040	13-390-040	13-391-004
5 mm	13-387-005	13-389-005	13-390-050	13-391-005
6 mm	13-387-006	13-388-060	13-390-060	13-391-006

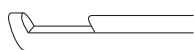
laminektomiestanzen
Laminectomy punches

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

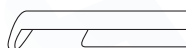


1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
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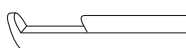
FERRIS-SMITH-KERRISON



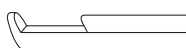
	x = 150mm – 6"	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	13-392-001	13-393-010	13-395-010	13-396-001
2 mm	13-392-002	13-394-002	13-395-020	13-396-002
3 mm	13-392-003	13-394-003	13-395-030	13-396-003
4 mm	13-392-004	13-393-040	13-395-040	13-396-004
5 mm	13-392-005	13-394-005	13-395-050	13-396-005
6 mm	13-392-006	13-393-060	13-395-060	13-396-006



1 mm		13-397-010	13-398-010	
2 mm		13-397-020	13-398-020	13-399-002
3 mm		13-397-030	13-398-030	13-399-003
4 mm		13-397-040	13-398-040	13-399-004
5 mm		13-397-050	13-398-050	13-399-005
6 mm		13-397-060	13-398-060	13-399-006



1 mm		13-400-010		
2 mm		13-400-020		
3 mm		13-400-030		



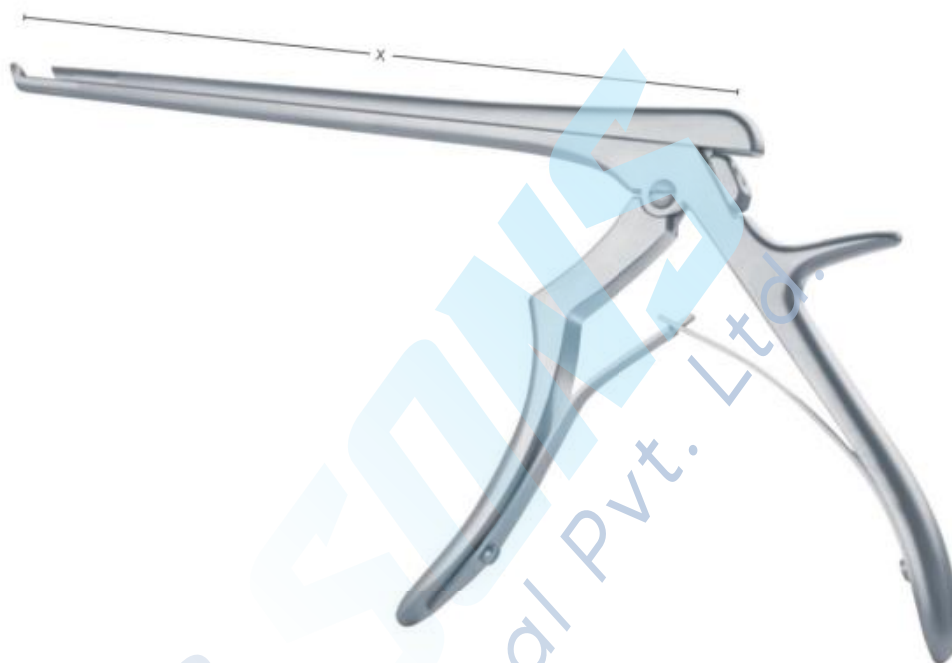
1 mm		13-401-010		
2 mm		13-401-020		
3 mm		13-401-030		

Dünne Fußplatte

Thin footplate
Plaque de coupe étroite
Lámina de punción estrecha
Battente sottile

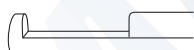
zerlegbare laminektomiestanzen
Dismantable laminectomy punches

Pinces emporte-pièces démontables à laminectomie
Pinzas cortantes desmontables para laminectomía
Pinze taglienti smontabili per laminectomia

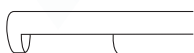


1:1 	1:1 	1:1 	1:1 	1:1 	1:1 
1 mm	2 mm	3 mm	4 mm	5 mm	6 mm

FERRIS-SMITH-KERRISON



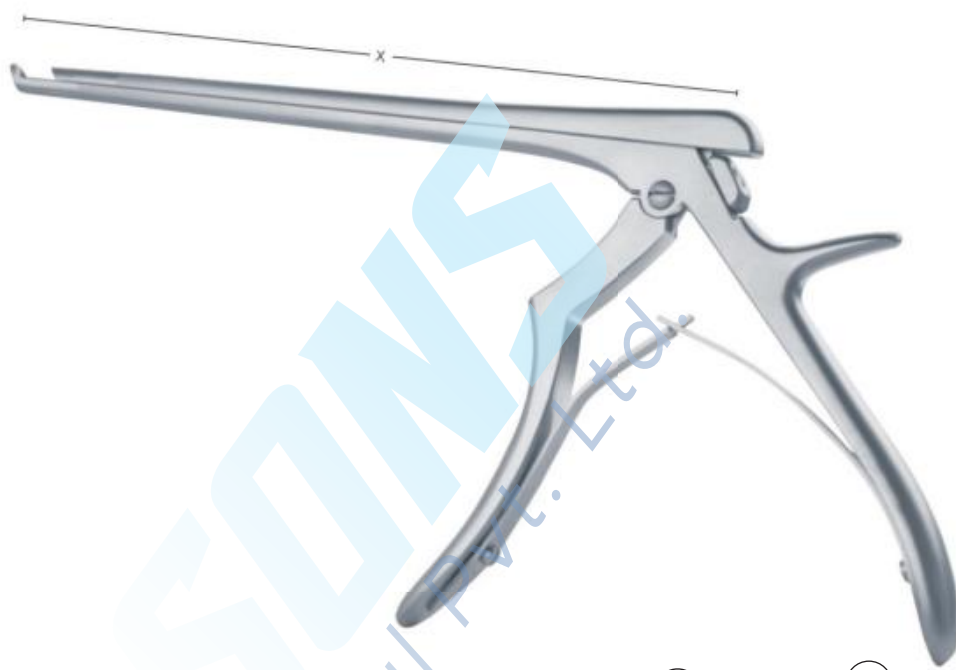
	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	13-383-010Z	13-385-010Z	13-386-001Z
2 mm	13-384-002Z	13-385-020Z	13-386-002Z
3 mm	13-384-003Z	13-385-030Z	13-386-003Z
4 mm	13-383-040Z	13-385-040Z	13-386-004Z
5 mm	13-384-005Z	13-385-050Z	13-386-005Z
6 mm	13-383-060Z	13-385-060Z	13-386-006Z



1 mm	13-388-010Z	13-390-010Z	13-391-001Z
2 mm	13-389-002Z	13-390-020Z	13-391-002Z
3 mm	13-389-003Z	13-390-030Z	13-391-003Z
4 mm	13-388-040Z	13-390-040Z	13-391-004Z
5 mm	13-389-005Z	13-390-050Z	13-391-005Z
6 mm	13-388-060Z	13-390-060Z	13-391-006Z

zerlegbare laminektomiestanzen
Dismantable laminectomy punches

Pinces emporte-pièces démontables à laminectomie
Pinzas cortantes desmontables para laminectomía
Pinze taglienti smontabili per laminectomia



1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
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FERRIS-SMITH-KERRISON



	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	13-393-010Z	13-395-010Z	13-396-001Z
2 mm	13-394-002Z	13-395-020Z	13-396-002Z
3 mm	13-394-003Z	13-395-030Z	13-396-003Z
4 mm	13-393-040Z	13-395-040Z	13-396-004Z
5 mm	13-394-005Z	13-395-050Z	13-396-005Z
6 mm	13-393-060Z	13-395-060Z	13-396-006Z



1 mm	13-397-010Z	13-398-010Z	
2 mm	13-397-020Z	13-398-020Z	13-399-002Z
3 mm	13-397-030Z	13-398-030Z	13-399-003Z
4 mm	13-397-040Z	13-398-040Z	13-399-004Z
5 mm	13-397-050Z	13-398-050Z	13-399-005Z
6 mm	13-397-060Z	13-398-060Z	13-399-006Z



1 mm	13-400-010Z		
2 mm	13-400-020Z		
3 mm	13-400-030Z		



1 mm	13-401-010Z		
2 mm	13-401-020Z		
3 mm	13-401-030Z		

Dünne Fußplatte

Thin footplate

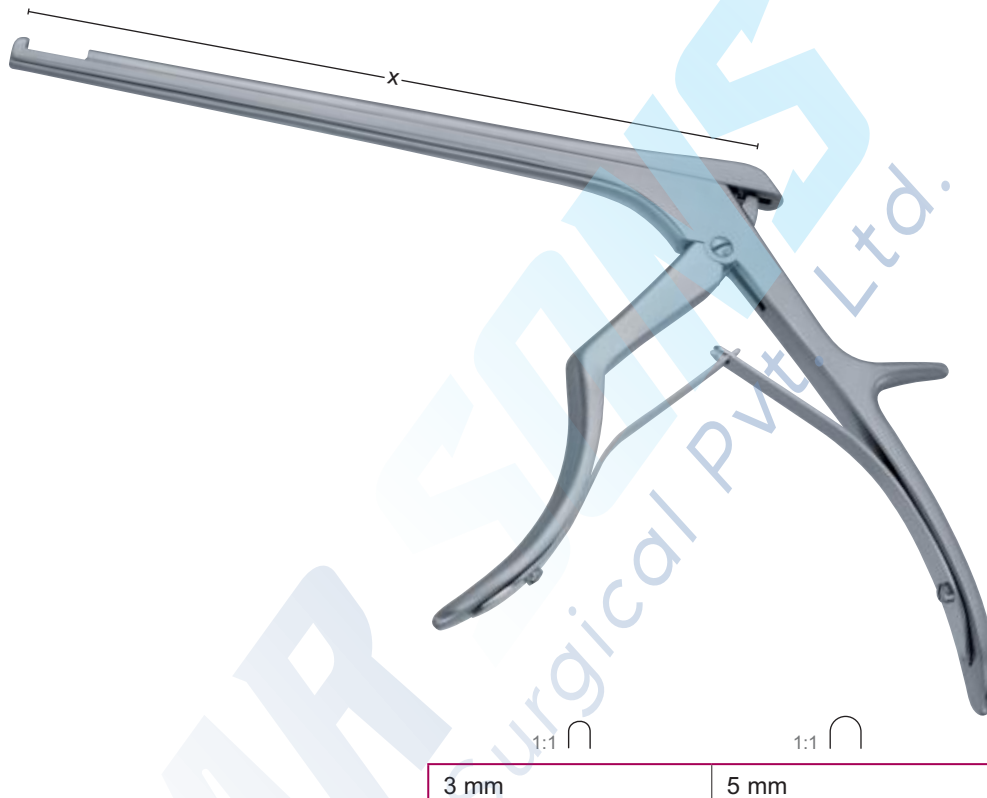
Plaque de coupe étroite

Lámina de punción estrecha

Battente sottile

Laminektomiestanzen
Laminectomy punches

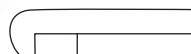
Pinces emporte-pièces à laminectomie
Pinzas cortantes para laminectomía
Pinze taglianti per laminectomia



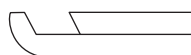
COLCLOUGH



	x = 150 mm – 6"	x = 200 mm – 8"
3 mm	13-402-150	13-402-200
5 mm	13-403-150	13-403-200



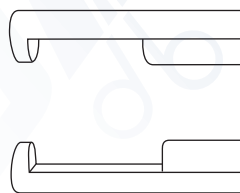
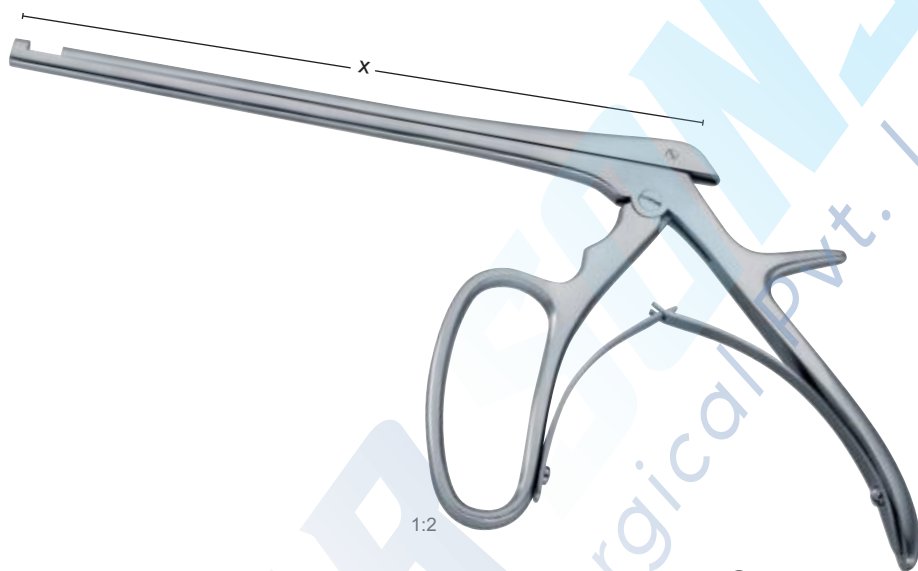
3 mm	13-404-150	13-404-200
5 mm	13-405-150	13-405-200



3 mm	13-406-150	13-406-200
5 mm	13-407-150	13-407-200

laminektomiestanzen
Laminectomy punches

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



FERRIS-SMITH-KERRISON

	x = 180 mm – 7"
5 mm	13-408-050

5 mm	13-409-050
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Laminektomiestanzen
Laminectomy punches

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



CUSHING

1:1

	2 mm x 10 mm	2 mm x 10 mm	2 mm x 10 mm
x = 130 mm – 5"	13-410-130	13-411-130	13-412-130
x = 180 mm – 7"	13-410-180	13-411-180	13-412-180
x = 220 mm – 8 ¾"	13-410-220	13-411-220	13-412-220

LOVE-GRUENWALD

1:1

	3 mm x 10 mm	3 mm x 10 mm	3 mm x 10 mm
x = 130 mm – 5"	13-413-130	13-414-130	13-415-130
x = 150 mm – 6"	13-413-150	13-414-150	13-415-150
x = 180 mm – 7"	13-413-180	13-414-180	13-415-180

SPURLING

1:1

	4 mm x 10 mm	4 mm x 10 mm	4 mm x 10 mm
x = 150 mm – 6"	13-416-150	13-417-150	13-418-150
x = 180 mm – 7"	13-416-180	13-417-180	13-418-180
x = 230 mm – 9"	13-416-230	13-417-230	13-418-230

CLOWARD

1:1

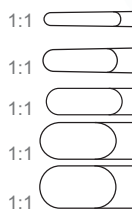
	6 mm x 10 mm
x = 180 mm – 7"	13-419-180

laminektomiestanzen
Laminectomy punches

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



FERRIS-SMITH



	x = 180 mm – 7"	x = 180 mm – 7"	x = 180 mm – 7"
2 mm x 10 mm	13-420-002	13-421-020	13-422-020
3 mm x 10 mm	13-420-003	13-421-030	13-422-030
4 mm x 10 mm	13-420-004	13-421-040	13-422-040
5 mm x 10 mm	13-420-005	13-421-050	13-422-050
6 mm x 10 mm	13-420-006	13-421-060	13-422-060

Andere Längen und Ausführungen sind auf Anfrage lieferbar.

Other lengths and executions are available upon request.

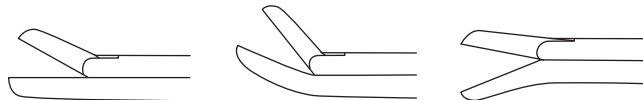
Autres longueurs et exécutions sont disponibles sur demande.

Otras longitudes y dimensiones son disponibles según demanda.

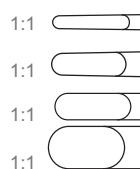
Altre lunghezze e modelli fornibili a richiesta.

Laminektomiestanzen
Laminectomy punches

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



CASPAR



	x = 155 mm – 6 "	x = 155 mm – 6 "	x = 155 mm – 6 "
2 mm	13-423-020	13-424-020	13-425-020
3 mm	13-423-030	13-424-030	13-425-030
4 mm	13-423-040	13-424-040	13-425-040
5 mm	13-423-050		

laminektomiestanzen
Laminectomy punches

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



OLDBERG

1:1

1:1

x = 180 mm – 7"	3.5 mm Ø	6.0 mm Ø
	13-426-035	13-426-065



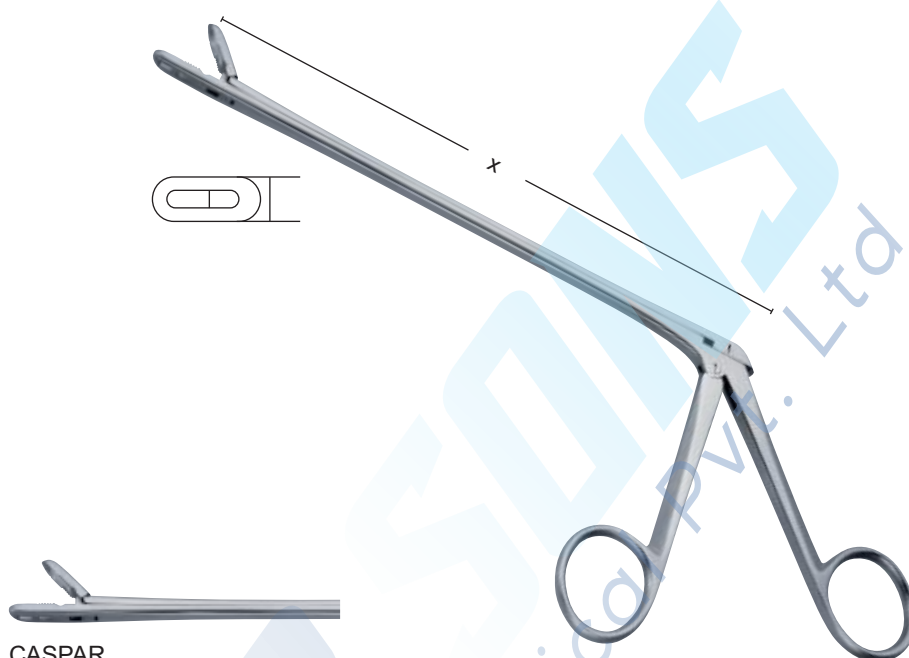
SCHLESINGER

	2 mm x 10 mm	3 mm x 10 mm	4 mm x 10 mm
	x = 125 mm – 5"	x = 125 mm – 5"	x = 125 mm – 5"
190 mm – 7 ½"	13-427-020	13-427-030	13-427-040

gezahnt
saw edge
dentelé
dentada
dentata

Laminektomiestanzen
Laminectomy punches

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



CASPAR

	x = 140 mm – 5 ½ "	x = 160 mm – 6 ¼ "	x = 185 mm – 7 ¼ "
2 mm x 12 mm	13-428-200	13-429-200	13-430-200
3 mm x 12 mm	13-428-300	13-429-300	13-430-300
4 mm x 14 mm	13-428-400	13-429-400	13-430-400
5 mm x 14 mm	13-428-500	13-429-500	13-430-500
6 mm x 16 mm	13-428-600	13-429-600	13-430-600



	x = 140 mm – 5 ½ "	x = 160 mm – 6 ¼ "	x = 185 mm – 7 ¼ "
2 mm x 12 mm	13-431-200	13-432-200	
2.5 mm x 12 mm	13-431-250	13-432-250	13-433-300
4 mm x 14 mm	13-431-400	13-432-400	13-433-400
5 mm x 14 mm	13-431-500	13-432-500	13-433-500



	x = 140 mm – 5 ½ "	x = 160 mm – 6 ¼ "	x = 185 mm – 7 ¼ "
2 mm x 12 mm	13-434-200	13-435-200	
3 mm x 12 mm	13-434-250	13-435-250	13-436-300
4 mm x 14 mm	13-434-400	13-435-400	13-436-400

laminektomiestanzen
Laminectomy punches

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



WEIL-
BLAKESLEY

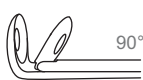


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a = 3.0 mm	a = 3.5 mm	a = 4.5 mm	a = 5.0 mm	a = 5.5 mm



x = 120 mm – 4 3/4 "	13-437-001	13-437-002	13-437-003	13-437-004	13-437-005
x = 120 mm – 4 3/4 "	13-438-001	13-438-002	13-438-003	13-438-004	
x = 120 mm – 4 3/4 "	13-439-001	13-439-002	13-439-003		

	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a = 3.0 mm	a = 3.5 mm	a = 4.5 mm	a = 5.0 mm	a = 5.5 mm



x = 180 mm – 7 "	13-440-010	13-440-020	13-440-030	13-440-040	13-440-050
x = 180 mm – 7 "	13-441-010	13-441-020	13-441-030	13-441-040	