TEKNO 13

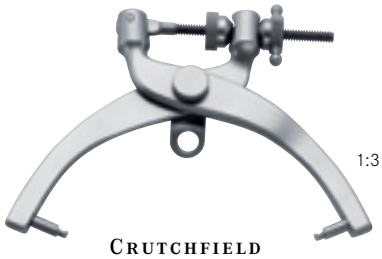




Mikro- und Neurochirurgie
Micro- and neuro surgery

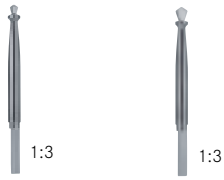
Chirurgie micro et neuro
Cirugía micro y neuro
Micro- e Neuro-Chirurgia

Schädelhalter
Cervical traction tongs
Pinces de traction crânienne
Pinzas de traccion cranial
Pinze per trazione craniale



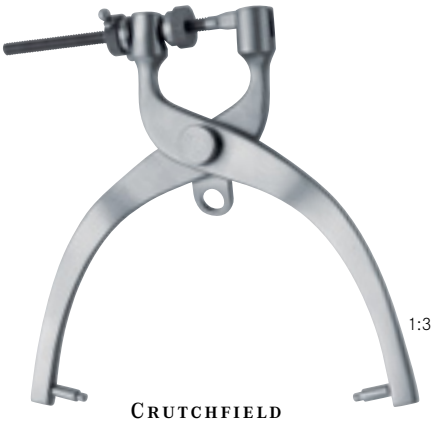
CRUTCHFIELD

tk 24900-00



	3.5 mm Ø	5.0 mm Ø
tk 24901-02	x	x

Satz à 2 Stück für tk 24900-00 und tk 24901-00
Set of 2 pieces for tk 24900-00 and tk 24901-00
Jeu à 2 pièces pour tk 24900-00 et pour tk 24901-00
Juego con 2 piezas para tk 24900-00 y para tk 24901-00
Completo con 2 pezzi per tk 24900-00 e per tk 24901-00



CRUTCHFIELD

tk 24901-00



tk 24903-00

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

tk 24903-01

Ersatzdorn für tk 24903-00
Spare pin for tk 24903-00
Goupille de rechange pour tk 24903-00
Pivote de cambio para tk 24903-00
Punta di ricambio tk 24903-00



tk 38584-19

Gabelschlüssel, doppelendig zu tk 24903-00
Wrench, double-ended for tk 24903-00
Clé de fixation, pour tk 24903-00
Llave de tuercas, para tk 24903-00
Chiave per tk 24903-00

Handbohrapparate
Hand drills
Perforateurs à main
Perforadores a mano
Perforatori a mano



HUDSON

270 mm – 10¾"	tk 24850-00

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



tk 24851-00

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









Fig. 1	Fig. 2	Fig. 3	Fig. 4
9 mm Ø	14 mm Ø	16 mm Ø	22 mm Ø
tk 24851-01	**tk 24851-02**	**tk 24851-03**	**tk 24851-04**



CUSHING

14 mm Ø
tk 24854-05



MCKENZIE

13 mm Ø
tk 24854-09

Instrumente zur Schädelöffnung
Instruments for cranial opening
Instruments pour l'ouverture du crâne
Instrumentos para apertura craneana
Strumenti per l'apertura del cranio



1:2

De Martel

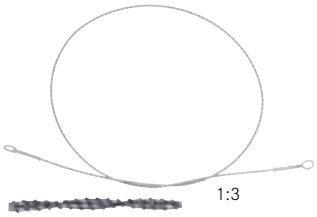
330 mm -13"	**tk 24912-33**



1:2

Adson

150 mm – 6"	**tk 24907-15**



1:3

Olivecrona

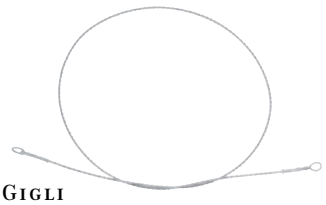
300 mm – 12" – 1.2 mm Ø	**tk 24915-30**
400 mm – 16" – 1.2 mm Ø	**tk 24915-40**
500 mm – 20" – 1.2 mm Ø	**tk 24915-50**
600 mm – 23½" – 1.2 mm Ø	**tk 24915-60**
700 mm – 27½" – 1.2 mm Ø	**tk 24915-70**



1:2

De Vilbiss

210 mm – 8¼"	**tk 24909-21**



1:3

Gigli

300 mm – 12" – 1.4 mm Ø	**tk 24917-30**
400 mm – 16" – 12" – 1.4 mm Ø	**tk 24917-40**
500 mm – 20"– 12" – 1.4 mm Ø	**tk 24917-50**



1:2

Gigli

tk 24916-00

Selbsthaltender Retraktor
Self-retaining retractor

Retracteur autostatique
Separador autostatico
Rettratore autostatico



tk 24920-00

Selbsthaltender Retraktor, flexibel mit 1 Spannarm, komplett, bestehend aus: Fixierungsvorrichtung für 1 Spannarm, Spannarm und Spatelhalter für flache Spatel

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 autostatique, flexible avec 1 tendeur, complét avec support pour 1 tendeur, tendeur et porte-spatule pour spatules plates

Separador autostatico, 1 brazo flejible con soporte, completo con brazo y soporte para spatulas llanas

Rettratore autostatico, flessibile Completo, contente: supporto di fissaggio per un braccio, 1 braccio flessible con supporto di fissaggio per spatole piatte

tk 24922-00

Selbsthaltender Retraktor, flexibel mit 2 Spannarmen, komplett, bestehend aus: Fixierungsvorrichtung für 2 Spannarme, 2 Spannarme und 2 Spatelhalter für flache Spatel

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 autostatique, flexible avec 2 tendeurs, complét avec supports pour 2 tendeurs, 2 tendeurs et 2 portes-spatule pour spatules plates

Separador autostatico, 2 brazos flejibles con soporte, completo con brazos y soporte para 2 spatulas llanas

Rettratore autostatico, flessibile con 2 bracci completi, contiene: supporto di fissaggio per bracci per 2 spatole piatte

Selbsthaltender Retraktor
Self-retaining retractor
Retracteur autostatique
Separador autostatico
Rettratore autostatico



tk 24922-02

Fixierungsvorrichtung allein, für 2 Spannarme
Fixation base only, holding 2 flexible arms

Support seul pour 2 tendeurs
Soporte solo para 2 brazos de separador
Supporto di fissaggio per 2 bracci, solo

tk 24920-02

Fixierungsvorrichtung allein, für 1 Spannarm
Fixation base only, holding 1 flexible arm

Support seul pour 1 tendeur
Soporte solo para 1 brazo de separador
Supporto di fissaggio per 1 braccio, solo

tk 24925-02

Spatelhalter allein, für Flachspatel
Support only, for flat brain spatulas

Porte-spatule seul, pour spatules plates
Soporte solo, para spatulas planos
Supporto solo, per fissaggio di spatole piatte

tk 24925-01

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 solo para la fijación de spatulas de 4 mm y 5 mm Ø al brazo

Supporto solo per spatole con asta tonda di Ø 4 mm e 5 mm

tk 24926-00

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

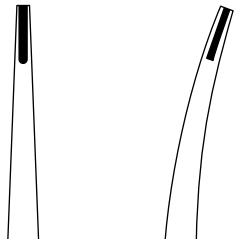
Brazo flejible solo para montar sobre soportes

Braccio flessibile solo – per il montaggio sul supporto di fissaggio

McKenzie Instrumentarium
McKenzie instruments

McKenzie instruments
Instrumentos McKenzie
Strumenti McKenzie





McKenzie		
150 mm – 6"	tk 25020-15	tk 25021-15
190 mm – 7½"	tk 25020-19	tk 25021-19

Zangen zum Anlegen der Klammern
Clip applying forceps
Pinces pour poser des agrafes
Pinzas para poner grapas
Pinze per mettere le agraffes



1:2

McKenzie	
148 mm x 40 mm x 6 mm – 5¾" x 1½" x ½"	tk 25001-00

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

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 – 5½"	tk 25010-24



Raney

150 mm – 6"	tk 25040-15



tk 25039-00

Kopfhautklammer „Raney“
Scalpclip “Raney”

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



tk 25038-00

Kopfhautklammer „Köln“
Scalpclip “Köln”

Agrafes pour le cuir chevelu «Köln»
Grapa para cuero cabelludo "Köln"
Agraffes per il cuoio capelluto „Köln“

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

Biegbares Memory-Metall: verformt sich bei Sterilisation (> 80°C) automatisch in den ursprünglich geraden Zustand.
Malleable Memory Metal: transforms during sterilization (> 80°C) automatically into originally straight form.
Malléable Memory-Métal: se retransforme pendant la stérilisation (> 80°) automatiquement dans la forme originale droit.
Maleable Memory-Metal: se transforma durante la sterilisación (> 80°C) automaticamente en la forma original recta.
Metallo malleabile con effetto memoria: se deformato ritorna automaticamente alla forma originale con una sterilizzazione ad una temperatura maggiore di 80°C.



1:2



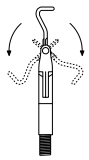
STANDARD

PHYNOX	x = 70 mm – 2¾"	**tk 25091-07**
	x = 90 mm – 3½"	**tk 25091-09**
	x = 110 mm – 4⅓"	**tk 25091-11**

MINI

PHYNOX	x = 70 mm – 2¾"	**tk 25191-07**
	x = 90 mm – 3½"	**tk 25191-09**
	x = 110 mm – 4⅓"	**tk 25191-11**

drehbar
rotating
rotatif
rotatorio
rotante





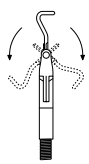
STANDARD

TITAN	x = 70 mm – 2¾"	**tk 25291-07**
	x = 90 mm – 3½"	**tk 25291-09**
	x = 110 mm – 4⅓"	**tk 25291-11**

MINI

TITAN	x = 70 mm – 2¾"	**tk 25391-07**
	x = 90 mm – 3½"	**tk 25391-09**
	x = 110 mm – 4⅓"	**tk 25391-11**

drehbar
rotating
rotatif
rotatorio
rotante



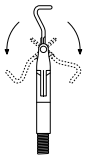
Anlegezangen für Yasargil Clips
Applying forceps for Yasargil clips

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






STANDARD				
TITAN		x = 90 mm – 3½"	tk 25093-06	tk 25095-06
		x = 110 mm – 4⅓"	tk 25093-07	tk 25095-07
MINI				
TITAN		x = 90 mm – 3½"	tk 25092-06	tk 25094-06
		x = 110 mm – 4⅓"	tk 25092-07	tk 25094-07
			nicht drehbar ***non rotating*** non rotatif *no rotatorio* non rotante	**drehbar** ***rotating*** rotatif *rotatorio* rotante



Anlegezangen für Yasargil Clips
Applying forceps for Yasargil clips
Pince à poser pour des clips Yasargil
Aplicadora para clips Yasargil
Pinze per mettere clips





	MINI	STANDARD
170 mm – 6¾"		
180 mm – 7"	tk 25088-18	tk 25089-18
210 mm – 8¼"		
230 mm – 9"		

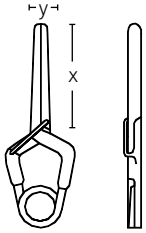
gerade, mit Sperre
straight, with ratchet
droit, avec verrou
recta, con cierre
retta, con cremagliera

MINI	STANDARD
tk 25090-17	tk 25091-17
tk 25090-21	tk 25091-21
tk 25090-23	tk 25091-23

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

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms=Force de fermeture
gms = Presión
gms= Sforza della chiusura

Bei Bestellung von Titan Clips, bitte der Artikelnummer ein „T“ hinzufügen.

For titanium clips, please add a “T” to the reference number.

Pour des clips en titane, veuillez ajouter un «T» à la référence.

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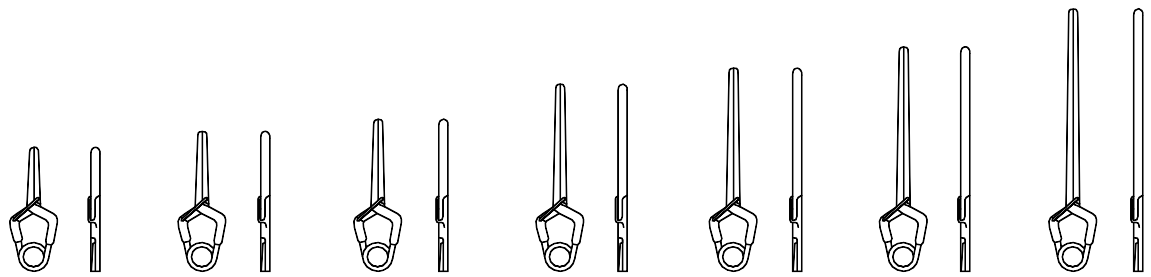
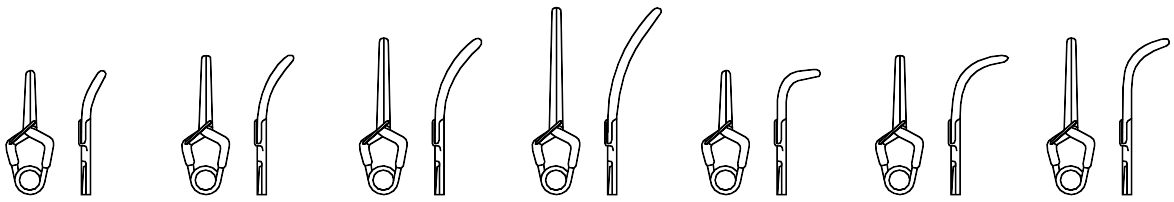
TITAN

Yasargil-Standard

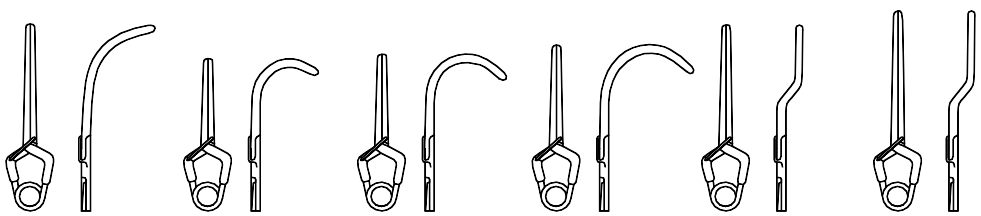
für permanenten Verschluss, aus hochwertigem Implantatstahl, antimagnetisch
for permanent closure, in high quality implant steel, antimagnetic
pour fermeture permanente, acier de haute qualité, anti-magnétique
para oclusión permanente, acero de alta calidad, antimagnetico
per chiusura permanente, accaio di alta qualita, 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
tk 25096-00	**tk 25097-00**	**tk 25098-00**	**tk 25099-00**	**tk 25100-00**	**tk 25101-00**	**tk 25102-00**



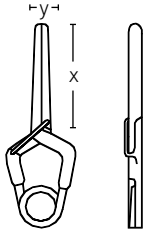
x = 7.0 mm	x = 9.0 mm	x = 11.0 mm	x = 15.0 mm	x = 7.0 mm	x = 9.0 mm	x = 11.0 mm
y = 6.0 mm	y = 6.8 mm	y = 7.5 mm	y = 8.7 mm	y = 5.5 mm	y = 6.1 mm	y = 6.5 mm
gms = 150	gms = 180	gms = 180	gms = 200	gms = 150	gms = 180	gms = 180
tk 25103-00	**tk 25104-00**	**tk 25105-00**	**tk 25106-00**	**tk 25107-00**	**tk 25108-00**	**tk 25109-00**



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
tk 25110-00	**tk 25111-00**	**tk 25112-00**	**tk 25113-00**	**tk 25114-00**	**tk 25115-00**

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



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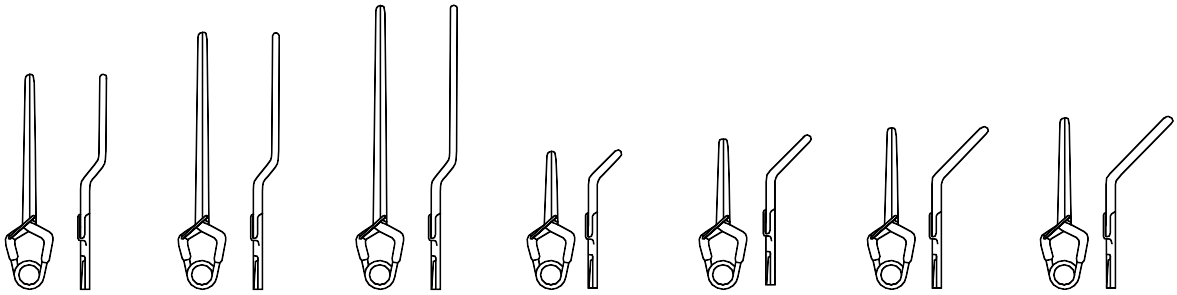
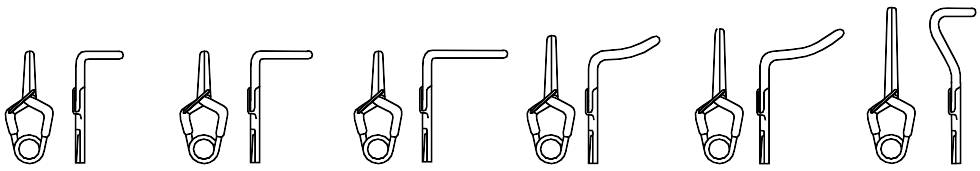
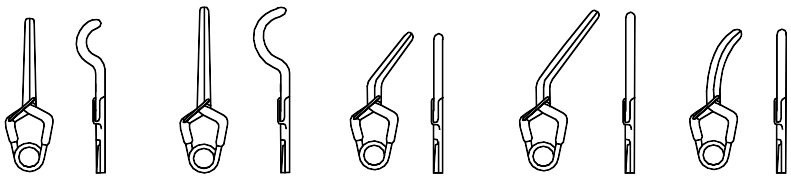


x = 12.0 mm	x = 17.0 mm	x = 20.0 mm	x = 5.0 mm	x = 7.0 mm	x = 9.0 mm	x = 11.0 mm
y = 10.2 mm	y = 11.9 mm	y = 13.0 mm	y = 6.2 mm	y = 6.5 mm	y = 7.8 mm	y = 8.4 mm
gms = 200	gms = 180	gms = 180	gms = 200	gms = 200	gms = 200	gms = 200
tk 25116-00	**tk 25117-00**	**tk 25118-00**	**tk 25119-00**	**tk 25120-00**	**tk 25121-00**	**tk 25122-00**



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
tk 25123-00	**tk 25124-00**	**tk 25125-00**	**tk 25126-00**	**tk 25127-00**	**tk 25128-00**



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 = 6.2 mm
gms = 200	gms = 200	gms = 200	gms = 200	gms = 200
tk 25129-00	**tk 25130-00**	**tk 25131-00**	**tk 25132-00**	**tk 25133-00**

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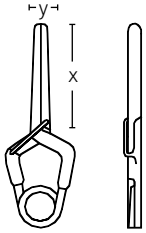

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gms = Presión
gms= Sforza della chiusura

Bei Bestellung von Titan Clips, bitte der Artikelnummer ein „T“ hinzufügen.

For titanium clips, please add a “T” to the reference number.

Pour des clips en titane, veuillez ajouter un «T» à la référence.

Para clips de titanio, por favor añadir und “T” a la referencia.

Per clips in titanio, per favore aggiuntete al numero d’articolo un “T”.

TITAN

Yasargil-Standard

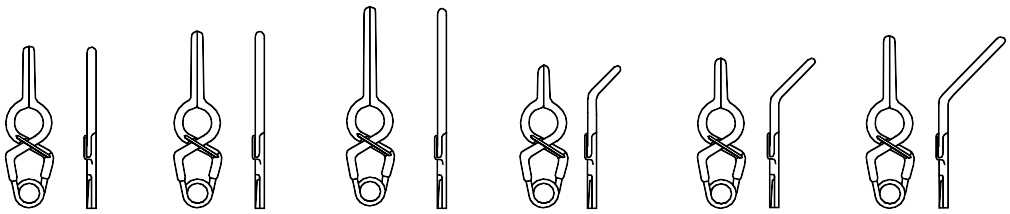
für permanenten Verschluss, mit Fenster 3,5 mm, aus hochwertigem Implantatstahl, antimagnetisch

for permanent closure, with window 3,5 mm, in high quality implant steel, antimagnetic

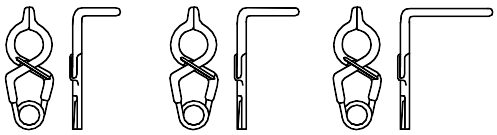
pour fermeture permanente, avec fenestra 3,5 mm, acier de haute qualité, anti-magnétique

para oclusión permanente, con finestra de 3,5 mm, acero de alta calidad, antimagnetico

per chiusura permanente, con finestra di 3,5 mm, accaio di alta qualita, 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
tk 25134-00	**tk 25135-00**	**tk 25136-00**	**tk 25137-00**	**tk 25138-00**	**tk 25139-00**



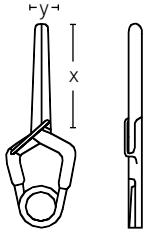
x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 4.9 mm	y = 4.9 mm	y = 4.9 mm
gms = 150	gms = 150	gms = 180
tk 25140-00	**tk 25141-00**	**tk 25142-00**

Aneurysmen Gefäßclips sind auch steril erhältlich
Aneurysm vessel-clips are also available sterile
Clips pour anévrismes sont également disponibles stériles
Clips para aneurisma son también disponibles estériles
Clips per aneurisma sono anche disponibili sterili

Für sterile Clips bitte der Artikelnummer ein „S“ hinzufügen
For sterile clips please add an “S” to the article number
Pour des clips stériles, ajouter un «S» à la référence
Para clips estériles añadir un “S” a la referencia
Per clips sterili, aggiuntete un “S” al numero d’articolo

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms=Force de fermeture
gms = Presión
gms= Sforza della chiusura

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Per clips in titanio, per favore aggiuntete al numero d’articolo un “T”.

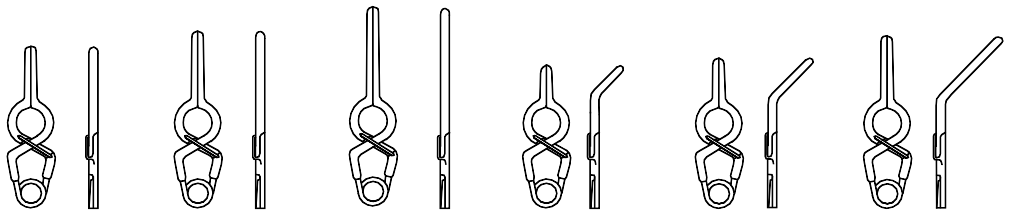
TITAN

YASARGIL-STANDARD

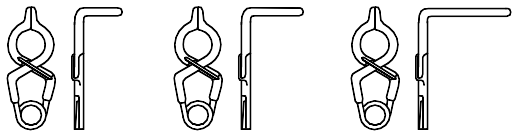
für permanenten Verschluss, mit Fenster 3,5 mm, aus hochwertigem Implantatstahl, antimagnetisch

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, con finestra de 3.5 mm, acero de alta calidad, antimagnetico
per chiusura permanente, con finestra di 3.5 mm, accaio di alta qualita, 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
tk 25143-00	**tk 25144-00**	**tk 25145-00**	**tk 25146-00**	**tk 25147-00**	**tk 25148-00**



x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 5.5 mm	y = 5.5 mm	y = 5.5 mm
gms = 150	gms = 150	gms = 180
tk 25149-00	**tk 25150-00**	**tk 25151-00**

Aneurysmen Gefäßclips sind auch steril erhältlich
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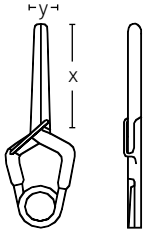
Clips per aneurisma sono anche disponibili sterili

Für sterile Clips bitte der Artikelnummer ein „S“ hinzufügen
For sterile clips please add an “S” to the article number
Pour des clips stériles, ajouter un «S» à la référence
Para clips estériles añadir un “S” a la referencia
Per clips sterili, aggiuntete un “S” al numero d’articolo

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms=Force de fermeture
gms = Presión
gms= Sforza della chiusura

Bei Bestellung von Titan Clips, bitte der Artikelnummer ein „T“ hinzufügen.

For titanium clips, please add a “T” to the reference number.

Pour des clips en titane, veuillez ajouter un «T» à la référence.

Para clips de titanio, por favor añadir und “T” a la referencia.

Per clips in titanio, per favore aggiuntete al numero d’articolo un “T”.

TITAN

Yasargil-Standard

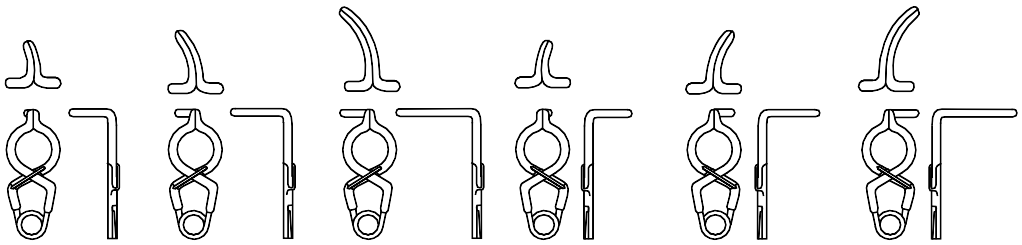
für permanenten Verschluss, mit Fenster 5.0 mm, aus hochwertigem Implantatstahl, antimagnetisch

for permanent closure, with window 5.0 mm, in high quality implant steel, antimagnetic

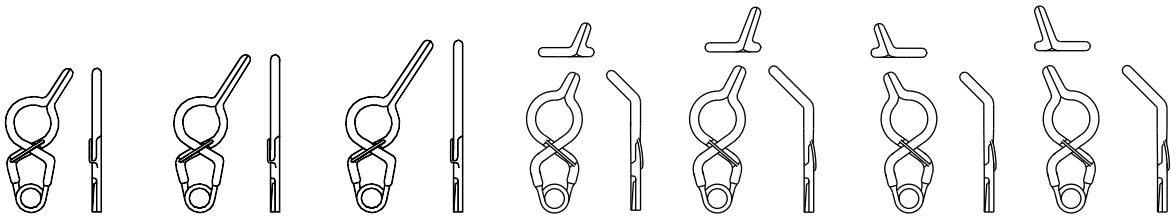
pour fermeture permanente, avec fenestra 5.0 mm, acier de haute qualité, anti-magnétique

para oclusión permanente, con finestra de 5.0 mm, acero de alta calidad, antimagnetico

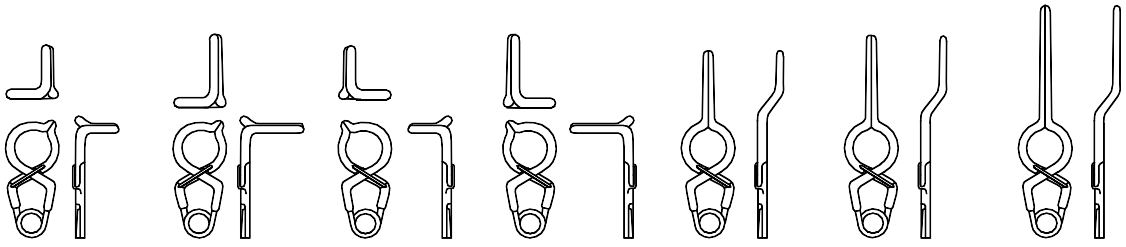
per chiusura permanente, con finestra di 5.0 mm, accaio di alta qualita, antimagnetico



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
tk 25155-00	**tk 25156-00**	**tk 25157-00**	**tk 25158-00**	**tk 25159-00**	**tk 25160-00**



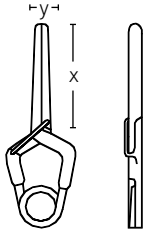
x = 5.0 mm	x = 7.0 mm	x = 10.0 mm	x = 5.0 mm	x = 7.0 mm	x = 5.0 mm	x = 7.0 mm
y = 7,0 mm	y = 7.8 mm	y = 8.8 mm	y = 5.8 mm	y = 6.2 mm	y = 5.8 mm	y = 6.2 mm
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150
tk 25161-00	**tk 25162-00**	**tk 25163-00**	**tk 25164-00**	**tk 25165-00**	**tk 25166-00**	**tk 25167-00**



x = 5.0 mm	x = 7.0 mm	x = 5.0 mm	x = 7.0 mm	x = 5.0 mm	x = 7.0 mm	x = 11.0 mm
y = 5.6 mm	y = 5.6 mm	y = 5.6 mm	y = 5.6 mm	y = 7.9 mm	y = 8.8 mm	y = 10.0 mm
gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 150	gms = 180
tk 25168-00	**tk 25169-00**	**tk 25170-00**	**tk 25171-00**	**tk 25152-00**	**tk 25153-00**	**tk 25154-00**

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms=Force de fermeture
gms = Presión
gms= Sforza della chiusura

Bei Bestellung von Titan Clips, bitte der Artikelnummer ein „T“ hinzufügen.

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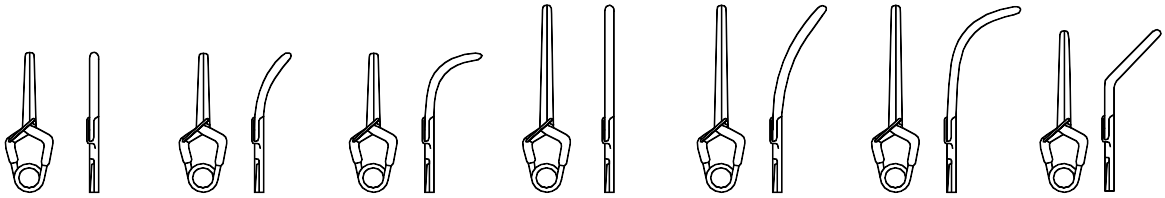
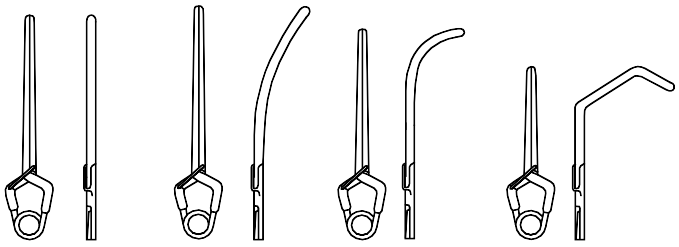
TITAN TK

YASARGIL-STANDARD

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, antimagnetico
per uso temporaneo, accaio di alta qualita, amtimagnetico



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 = 7.8 mm
gms = 90	gms = 90	gms = 110	gms = 90	gms = 110	gms = 110	gms = 110
tk 25172-00	**tk 25173-00**	**tk 25174-00**	**tk 25175-00**	**tk 25176-00**	**tk 25177-00**	**tk 25178-00**



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
tk 25179-00	**tk 25180-00**	**tk 25181-00**	**tk 25182-00**

Aneurysmen Gefäßclips sind auch steril erhältlich
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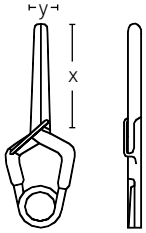
Clips para aneurisma son también disponibles estériles
Clips per aneurisma sono anche disponibili sterili

Für sterile Clips bitte der Artikelnummer ein „S“ hinzufügen
For sterile clips please add an “S” to the article number
Pour des clips stériles, ajouter un «S» à la référence
Para clips estériles añadir un “S” a la referencia
Per clips sterili, aggiuntete un “S” al numero d’articolo

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms=Force de fermeture
gms = Presión
gms= Sforza della chiusura

Bei Bestellung von Titan Clips, bitte der Artikelnummer ein „T“ hinzufügen.

For titanium clips, please add a “T” to the reference number.

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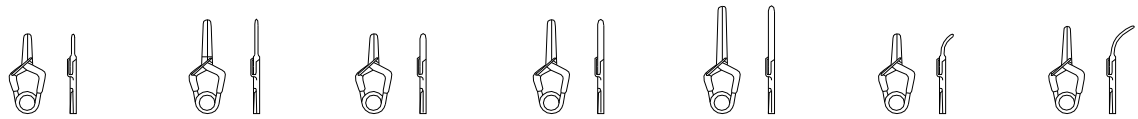
Per clips in titanio, per favore aggiuntete al numero d’articolo un “T”.

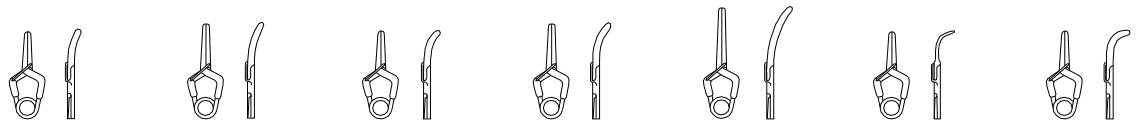
TITAN

Yasargil-Mini

für permanenten Verschluss, aus hochwertigem Implantatstahl, antimagnetisch
for permanent closure, in high quality implant steel, antimagnetic
pour fermeture permanente, acier de haute qualité, anti-magnétique
para oclusión permanente, acero de alta calidad, antimagnetico
per chiusura permanente, accaio di alta qualita, antimagnetico



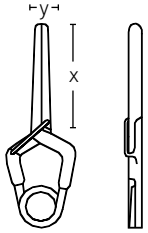
x = 3.0 mm	x = 5.0 mm	x = 3.0 mm	x=5.0 mm	x = 7.0 mm	x = 3.0 mm	x = 4.0 mm
y = 3.3 mm	y = 4.0 mm	y = 3.3 mm	y=4.0 mm	y = 4.6 mm	y = 3.2 mm	y = 3.8 mm
gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110	gms = 110
tk 25183-00	**tk 25184-00**	**tk 25185-00**	**tk 25186-00**	**tk 25187-00**	**tk 25188-00**	**tk 25189-00**



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
tk 25190-00	**tk 25191-00**	**tk 25192-00**	**tk 25193-00**	**tk 25194-00**	**tk 25195-00**	**tk 25196-00**

Aneurysmen Gefäßclips
Aneurysm vessel-clips

Anévrisme clips
Aneurisma clips
Clips per aneurisma e vasi



x = Maullänge
x = Jaw length
x = Longueur du mors
x = Longitud de la boca
x = Lunghezza del morso

y = max. Maulöffnung
y = max. opening
y = Ouverture max. du mors
y = Apertura max. de la boca
y = Apertura mass. del morso

gms = Schließkraft
gms = Pressure
gms=Force de fermeture
gms = Presión
gms= Sforza della chiusura

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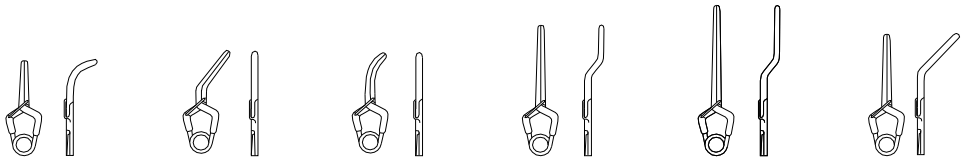
Per clips in titanio, per favore aggiuntete al numero d’articolo un “T”.

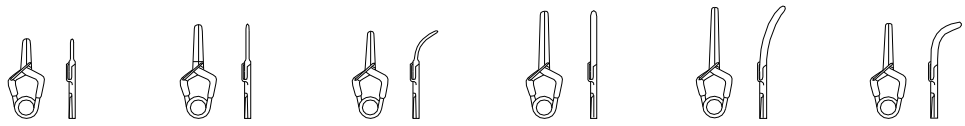
TITAN

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, antimagnetico
per chiusura temporanea, accaio di alta qualita, antimagnetico



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	x = 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	gms = 130
tk 25197-00	**tk 25198-00**	**tk 25199-00**	**tk 25200-00**	**tk 25201-00**	**tk 25202-00**



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
tk 25203-00	**tk 25204-00**	**tk 25205-00**	**tk 25206-00**	**tk 25207-00**	**tk 25208-00**

Aneurysmen Gefäßclips sind auch steril erhältlich
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For sterile clips please add an “S” to the article number
Pour des clips stériles, ajouter un «S» à la référence
Para clips estériles añadir un “S” a la referencia
Per clips sterili, aggiuntete un “S” al numero d’articolo

Nervenhaken
Nerve hooks
Crochets à nerfs
Ganchos para nervios
Uncini per nervi



SCOVILLE
230 mm – 9 "
x = 8 mm
tk 25236-23



HOLSHER
240 mm – 9½ "
x = 7 mm
tk 25237-24



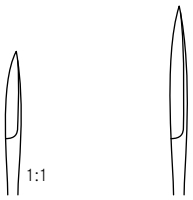
SCOVILLE
200 mm – 8 "
x = 7 mm
tk 25238-19



MARTIN
210 mm – 8¼ "
x = 7 mm
tk 25239-19

Duramesser
Dura knives
Bistouries pour duremère
Bisturís para duramadre
Bisturi per duramadre





TOENNIS

150 mm – 6"	190 mm – 7½"
tk 25303-13	**tk 25303-19**

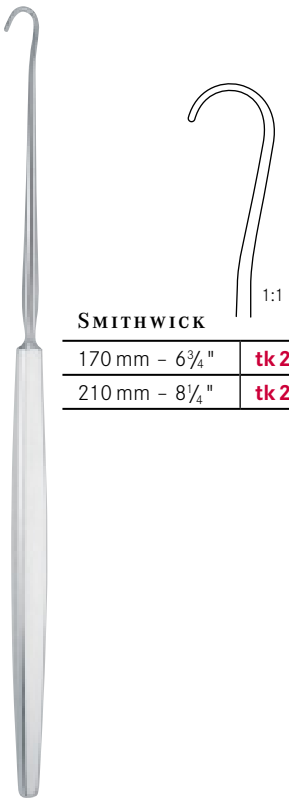




HALLE

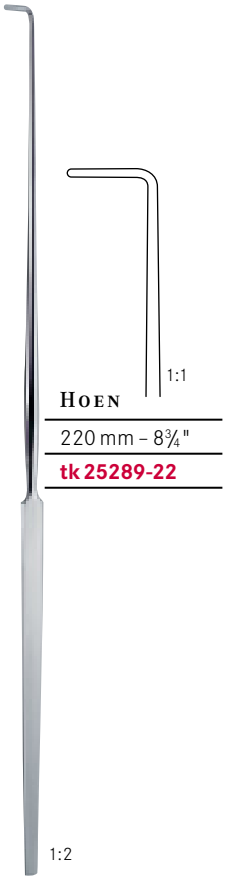
200 mm – 8"	**tk 25304-20**

Nervenhaken
Nerve hooks
Crochets à nerfs
Ganchos para nervios
Uncini per nervi



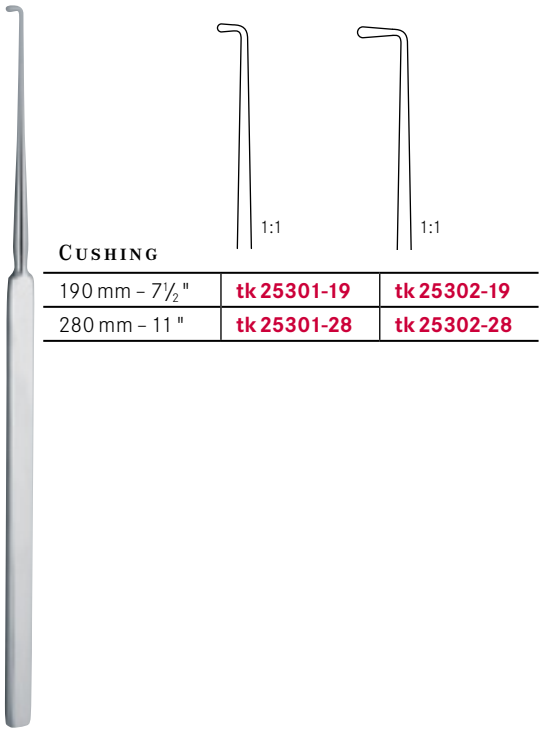
SMITHWICK

170 mm – 6¾"	**tk 25285-17**
210 mm – 8¼"	**tk 25285-21**



HOEN

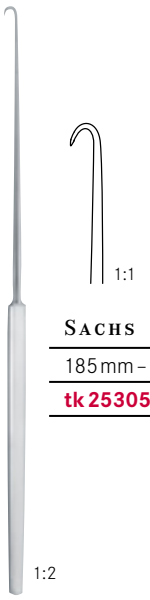
220 mm – 8¾"
tk 25289-22



CUSHING

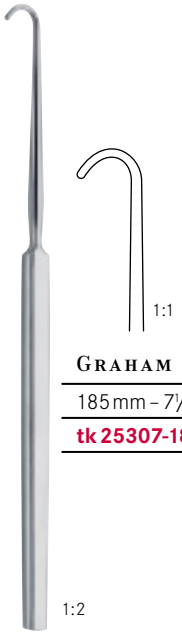
190 mm – 7½"	**tk 25301-19**	**tk 25302-19**
280 mm – 11"	**tk 25301-28**	**tk 25302-28**

Nervenhaken
Nerve hooks
Crochets à nerfs
Ganchos para nervios
Uncini per nervi



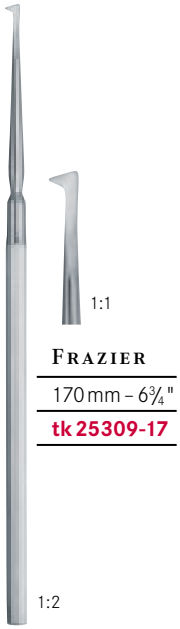
SACHS

185 mm – 7¼"
tk 25305-18



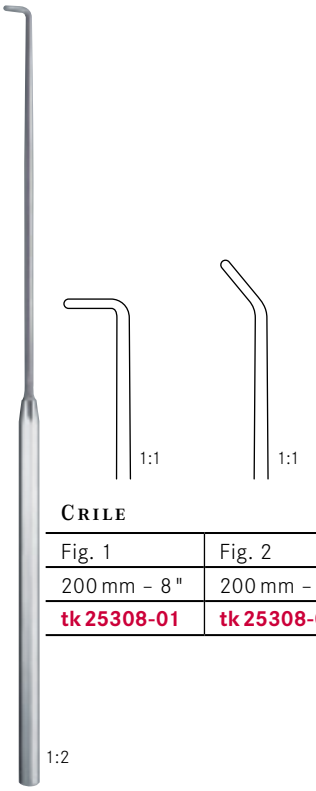
GRAHAM

185 mm – 7¼"
tk 25307-18



FRAZIER

170 mm – 6¾"
tk 25309-17



CRILE

Fig. 1	Fig. 2
200 mm – 8"	200 mm – 8"
tk 25308-01	**tk 25308-02**



TOENNIS

150 mm – 6"
tk 25310-15



DANDY

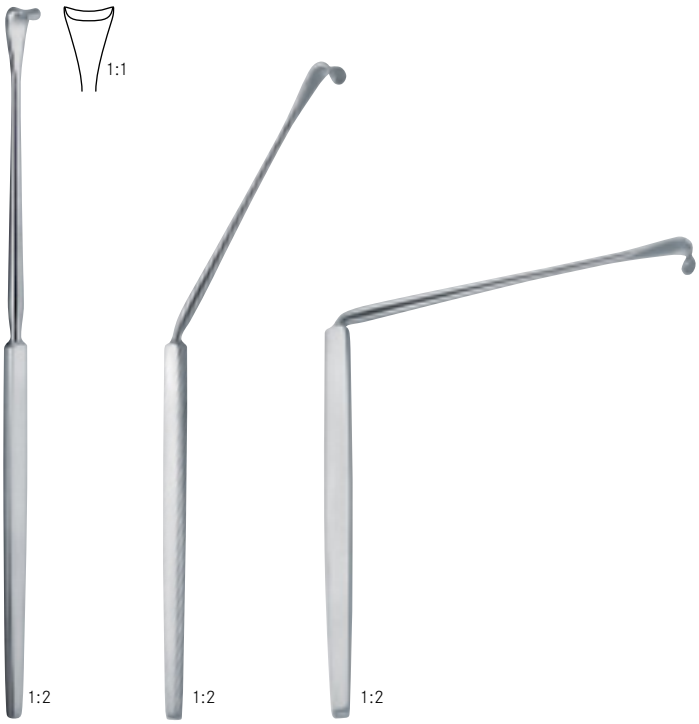
200 mm – 8"	**tk 25315-20**	**tk 25316-20**	**tk 25317-20**



ADSON

200 mm – 8"	**tk 25320-20**	**tk 25321-20**

Nervenhaken
Nerve hooks
Crochets à nerfs
Ganchos para nervios
Uncini per nervi



LOVE

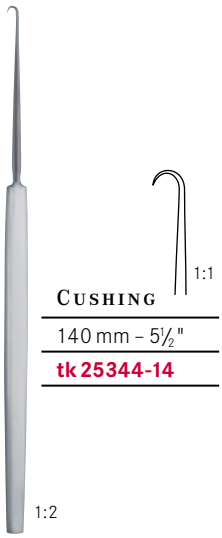
190 mm – 7½"	tk 25325-19	tk 25326-19	tk 25327-19



YASARGIL

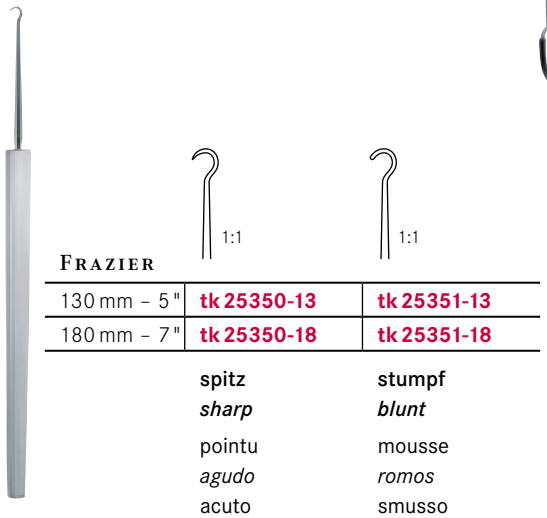
310 mm – 12¼"	tk 25399-01
410 mm – 16¼"	tk 25399-02

Galeahaken
Galea retractor
Retracteur Galea
Retractor de Galea
Rettratore di Galea



CUSHING

140 mm – 5½"
tk 25344-14



FRAZIER

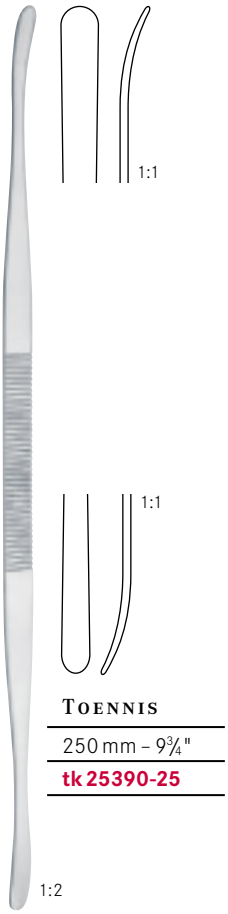
130 mm – 5"	tk 25350-13	tk 25351-13
180 mm – 7"	tk 25350-18	tk 25351-18
	spitz ***sharp*** pointu *agudo* acuto	**stumpf** ***blunt*** mousse *romos* smusso



LAHEY

130 mm – 5"
tk 25340-13

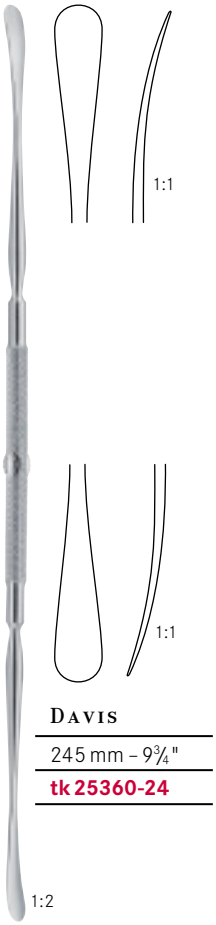
Mikro-Dissektoren
Micro dissectors
Micro dissecteurs
Micro disectores
Micro dissetori



TOENNIS

250 mm – 9¾"

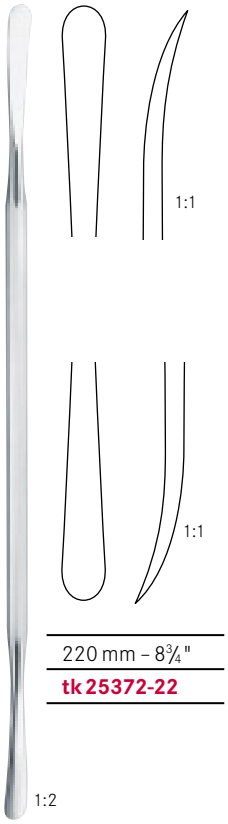
tk 25390-25



DAVIS

245 mm – 9¾"

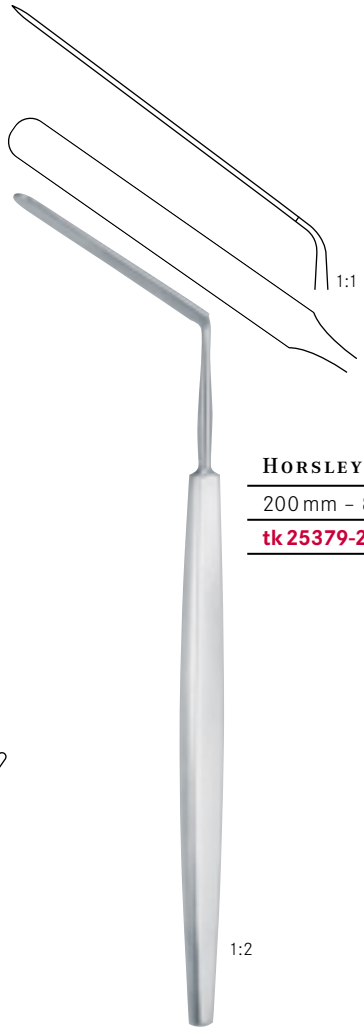
tk 25360-24



220 mm – 8¾"

tk 25372-22

Mikro-Dissektoren
Micro dissectors
Micro dissecteurs
Micro disectores
Micro dissetori



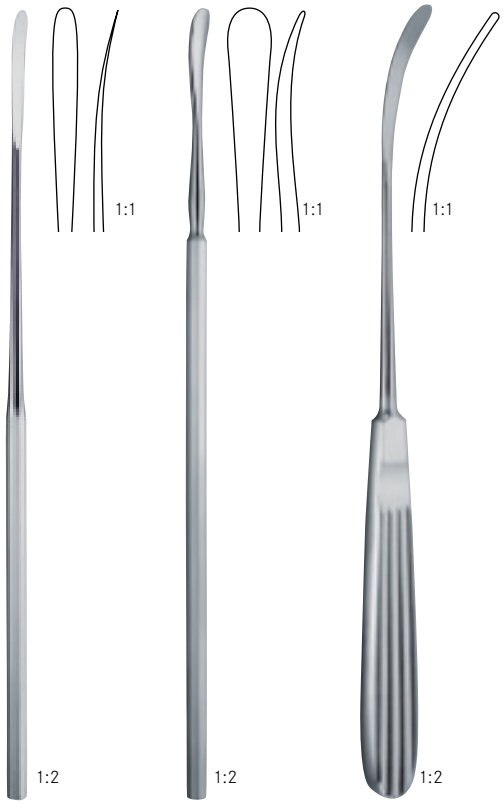
HORSLEY

200 mm – 8"
tk 25379-20



SMITHWICK

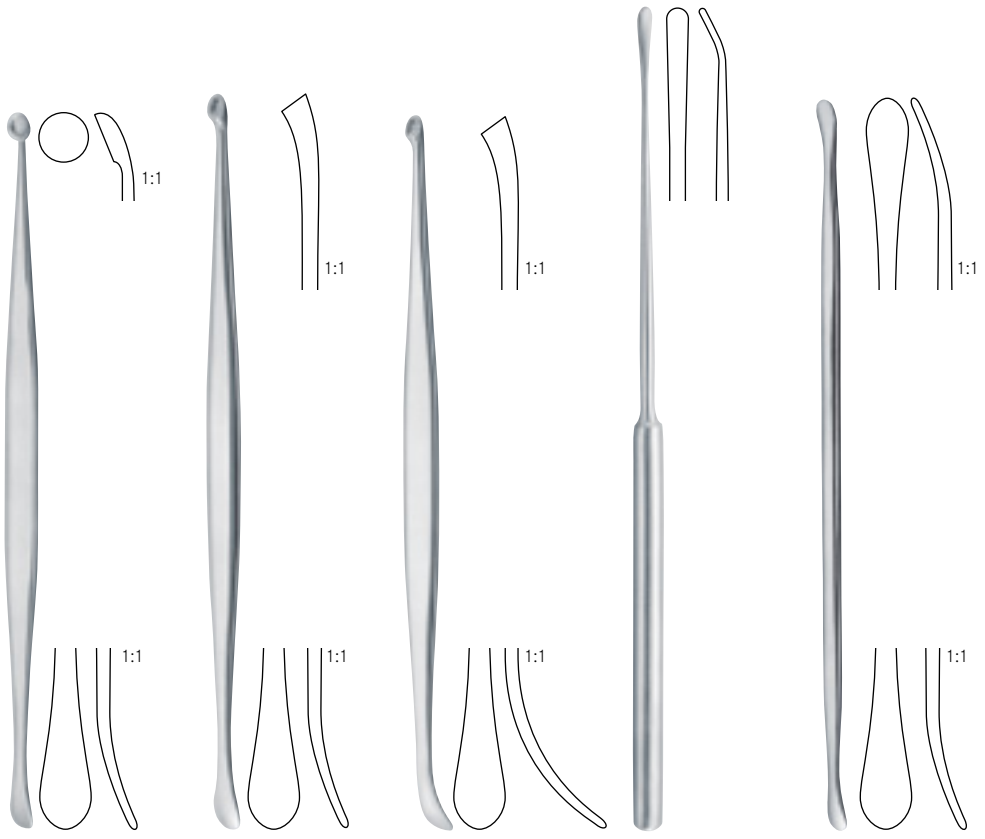
290 mm – 11½"
tk 25380-29



SACHS

210 mm – 8¼"	tk 25385-21	tk 25386-21	tk 25387-21

Mikro-Dissektoren
Micro dissectors
Micro dissecteurs
Micro disectores
Micro dissetori

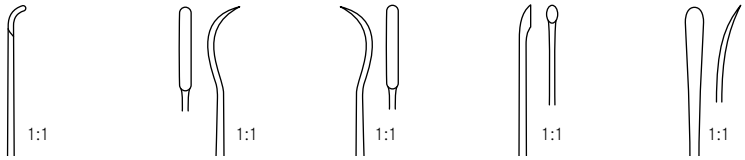


PENFIELD

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
175 mm – 7"	195 mm – 7¾"	195 mm – 7¾"	215 mm – 8½"	185 mm – 7¼"
tk 25395-01	**tk 25395-02**	**tk 25395-03**	**tk 25395-04**	**tk 25395-05**

Neuro-Mikro-Dissektoren
Neuro-micro dissectors
Neuro-micro dissecteurs
Disectores para micro-neurocirugía
Strumento per micro-neuro chirurgia





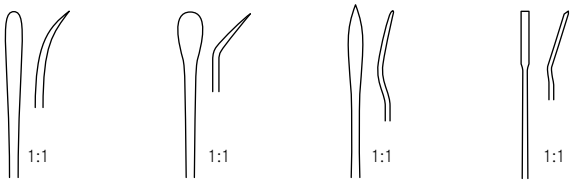
YASARGIL

190 mm – 7½"	tk 25400-01	tk 25400-02	tk 25400-03	tk 25400-04	tk 25400-05

gerade
straight
droit
recta
rette

190 mm – 7½"	tk 25401-01	tk 25401-02	tk 25401-03	tk 25401-04	tk 25401-05

bajonett
bayonet
baionette
bayoneta
baionetta



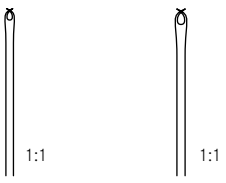
YASARGIL

190 mm – 7½"	tk 25400-06	tk 25400-07	tk 25400-08	tk 25400-09

gerade
straight
droit
recta
rette

190 mm – 7½"	tk 25401-06	tk 25401-07	tk 25401-08	tk 25401-09

bajonett
bayonet
baionette
bayoneta
baionetta

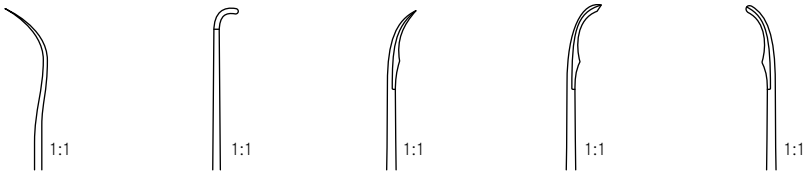


190 mm – 7½"	tk 25400-10	tk 25400-11

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



	KRAUS	YASARGIL	KOOS	KOOS	KOOS
190 mm – 7½"	tk 25410-19	tk 25410-20	tk 25411-16	tk 25411-17	tk 25411-18

bajonett
bayonet
baionette
bayoneta
baionetta

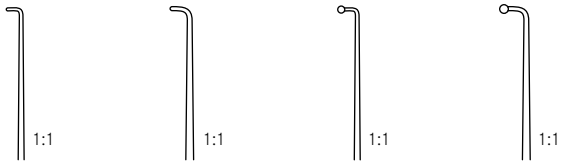
Neuro-Mikro-Dissektoren
Neuro-micro dissectors

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



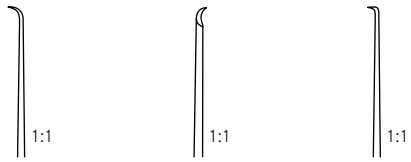
JACOBSON
190 mm – 7½"
tk 25405-19





KRAYEN BÜHL				
190 mm – 7½"	tk 25407-01	tk 25407-02	tk 25407-03	tk 25407-04
	ohne Knopf *without knob* sans boule *sin bola* senza bottone		mit Knopf *with knob* avec boule *con bola* con bottone	





		JACOBSON	FISCH
190 mm – 7½"	tk 25409-19	tk 25410-15	tk 25410-18

Neuro-Dissektoren und Küretten
Neuro-dissectors and curettes

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



HARDY

250 mm – 9¾"	tk 25430-01	tk 25430-02	tk 25430-03	tk 25430-04

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



HARDY

	4 mm Ø	6 mm Ø
270 mm – 10¾"	tk 25435-01	tk 25435-02

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

Mikro-Federscheren
Micro scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia







VANNAS

80 mm – 3¼"	tk 9282-08	tk 9283-08

Vannas-Schneide
Vannas-blade
Lame de Vannas
Hoja de Vannas
Lama Vannas

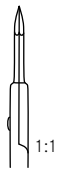
Mikro-Federscheren
Micro-scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia

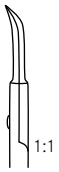


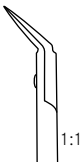




120 mm – 4¾"	tk 25753-01	tk 25753-02
Schneide 10 mm, spitz ***Blade 10 mm, sharp*** Lame 10 mm, pointu *Hoja 10 mm, agudas* Lama 10 mm, acuta	**gerade** ***straight*** droite *recta* retta	**gebogen** ***curved*** courbe *curva* curva







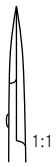
120 mm – 4¾"	tk 25753-03	tk 25753-04	tk 25753-05
Vannas-Schneide ***Vannas-blade*** Lama de Vannas Hoja de Vannas Vannas-lama	**gerade** ***straight*** droite *recta* retta	**gebogen** ***curved*** courbe *curva* curva	**aufgewinkelt** ***angled up*** angulaire *acodada* angolata

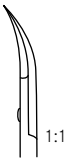


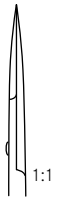
120 mm – 4¾"	tk 25753-06
Venen-Schneide (Biemer) ***Vein-blade (Biemer)*** Lame pour vènes (Biemer) Hoja para venas *(Biemer)* Lama per vene (Biemer)	**gerade** ***straight*** droite *recta* retta

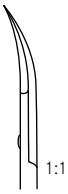
Mikro-Federscheren
Micro-scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia



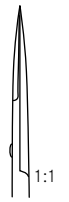


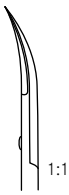




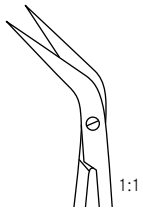


150 mm – 6"	**tk 25670-15**	**tk 25671-15**	**tk 25672-15**	**tk 25673-15**
	gerade, kurze Schneide ***straight, short blades*** droites, lames courtes *recta, hojas cortas* retta, lama corta	**gebogen, kurze Schneide** ***curved, short blades*** courbes, lames courtes *curva, hojas cortas* curva, lama corta	**gerade, lange Schneide** ***straight, long blades*** droites, lames longues *recta, hojas largas* retta, lama lunga	**gebogen, lange Schneide** ***curved, long blades*** courbes, lames longues *curva, hojas largas* curva, lama lunga





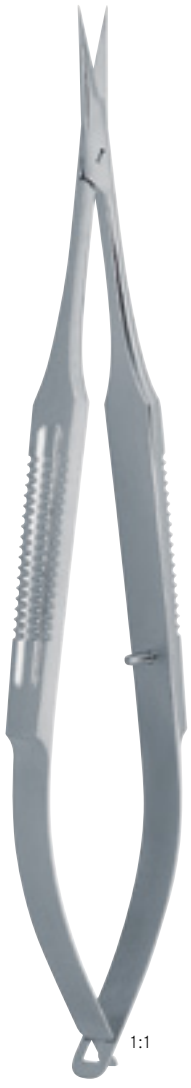
150 mm – 6"	**tk 25678-15**	**tk 25679-15**
	gerade, gezahnt ***straight, saw edge*** droites, dentelés *recta, dentadas* retta, dentata	**gebogen, gezahnt** ***curved, saw edge*** courbes, dentelés *curva, dentadas* curva, dentata



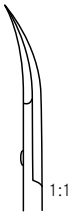
150 mm – 6"	**tk 25675-15**
180 mm – 7"	**tk 25677-18**

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

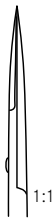
Mikro-Federscheren
Micro-scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia

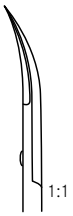




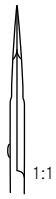


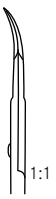
120 mm – 4¾"	tk 25751-01	tk 25751-02
Lange Schneide 14 mm, glatt, spitz ***Long blades 14 mm, smooth, sharp*** Lames longues 14 mm, lisses, pointues *Hojas largas 14 mm, lisas, agudas* Lama lunga 14 mm, liscia, acuta	**gerade** ***straight*** droites *recta* retta	**gebogen** ***curved*** courbes *curva* curva





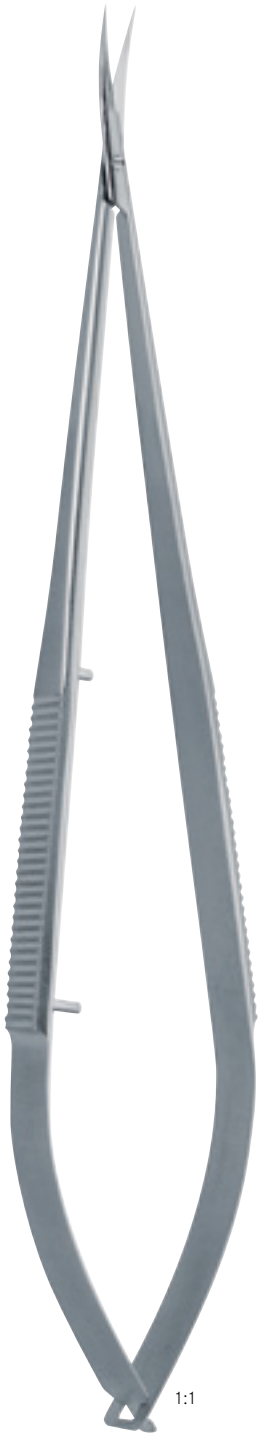
120 mm – 4¾"	tk 25751-03	tk 25751-04
Lange Schneide 14 mm, spitz ***Long blades 14 mm, sharp*** Lames longues 14 mm, pointues *Hojas largas 14 mm, agudas* Lama lunga 14 mm, acuta	**gerade, gezahnt** ***straight, saw edge*** droites, dentelés *recta, dentadas* retta, dentata	**gebogen, gezahnt** ***curved, saw edge*** courbes, dentelés *curva, dentadas* curva, dentata



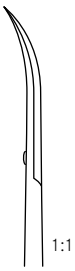


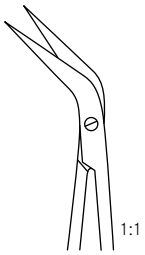
145 mm – 5¾"	tk 25751-05	tk 25751-06
Vannas-Schneide, glatt, spitz ***Vannas-blades, smooth, sharp*** Lames de Vannas, lisses, pointues Hojas de Vannas, *lisas, agudas* Vannas-lama, liscia, acuta	**gerade** ***straight*** droits *recta* retta	**gebogen** ***curved*** courbes *curva* curva

Mikro-Federscheren
Micro-scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia







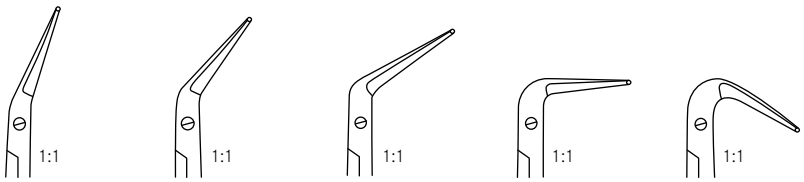


YASARGIL

185 mm – 7¼"	tk 25500-18	tk 25501-18	tk 25502-18
	gerade ***straight*** droits *recta* retta	**gebogen** ***curved*** courbes *curva* curva	**kniegebogen** ***angled on flat*** angulaires *acodada* angolata

Mikro-Federscheren
Micro scissors
Micro ciseaux
Micro tijeras
Forbici per micro chirurgia

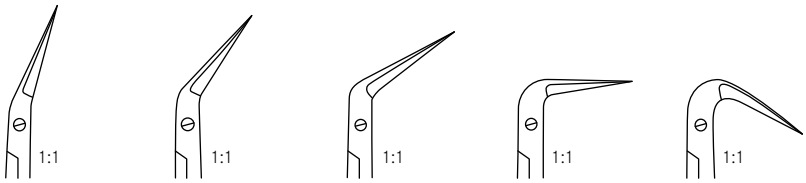




YASARGIL

	25°	45°	60°	90°	125°
170 mm – 6¾"	**tk 25754-25**	**tk 25754-45**	**tk 25754-60**	**tk 25754-90**	**tk 25754-12**

mit Knopf
with ball
avec bouton
con botón
con bottone



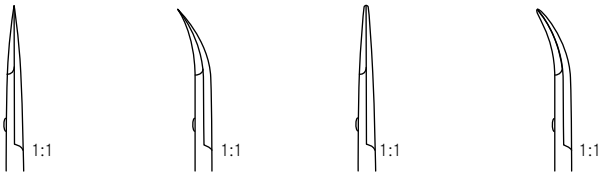
YASARGIL

	25°	45°	60°	90°	125°
170 mm – 6¾"	**tk 25755-25**	**tk 25755-45**	**tk 25755-60**	**tk 25755-90**	**tk 25755-12**

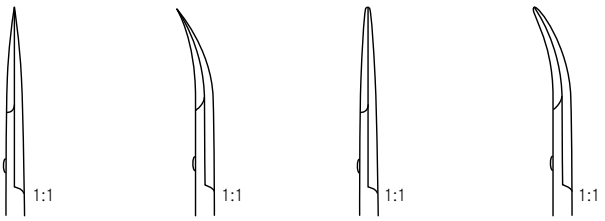
ohne Knopf
without ball
sans bouton
sin botón
senza bottone

Mikro-Präparierscheren
Micro dissecting scissors
Micro ciseaux à dissection
Micro tijeras de disección
Forbici per micro chirurgia con manico rotondo





145 mm – 5¾"	**tk 25602-01**	**tk 25603-01**	**tk 25602-02**	**tk 25603-02**
180 mm – 7"	**tk 25610-01**	**tk 25611-01**	**tk 25610-02**	**tk 25611-02**
kurze Schneide 8 mm, glatt ***short blades 8 mm, smooth*** lames courtes 8 mm, lisses *hojas cortas 8 mm, lisos* lama corta 8 mm, liscia	**gerade, spitz** ***straight, sharp*** droites, pointues *rectas, agudas* 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

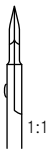


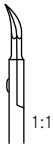
145 mm – 5¾"	**tk 25602-03**	**tk 25603-03**	**tk 25602-04**	**tk 25603-04**
180 mm – 7"	**tk 25610-03**	**tk 25611-03**	**tk 25610-04**	**tk 25611-04**
lange Schneide 14 mm, glatt ***long blades 14 mm, smooth*** lames longues 14 mm, lisses *hojas largas 14 mm, lisos* lama lunga 14 mm, liscia	**gerade, spitz** ***straight, sharp*** droites, pointues *rectas, agudas* 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

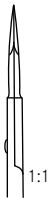


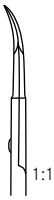




VANNAS

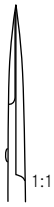
	7 mm Ø	7 mm Ø
120 mm – 5"	**tk 25612-12**	**tk 25613-12**





VANNAS

	8 mm Ø	8 mm Ø
150 mm – 6"	**tk 25600-15**	**tk 25601-15**





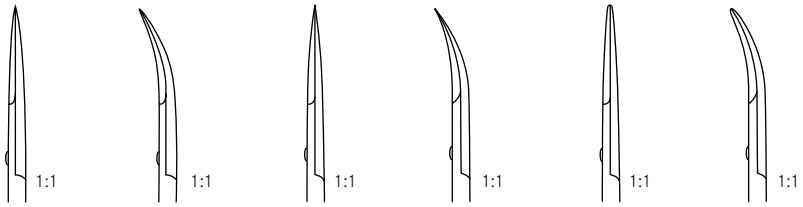
CASTROVIEJO

	8 mm Ø	8 mm Ø
150 mm – 6"	**tk 25610-15**	**tk 25611-15**

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



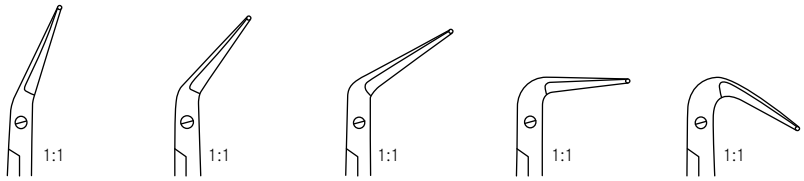


	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"	180 mm – 7"
8 mm Ø	**tk 25606-18**	**tk 25607-18**				
10 mm Ø	**tk 25602-18**	**tk 25603-18**	**tk 25618-18**	**tk 25619-18**	**tk 25620-18**	**tk 25621-18**

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

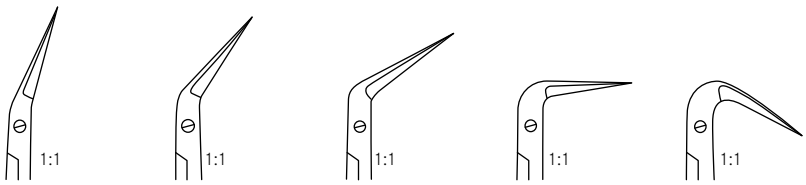




8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**tk 25758-25**	**tk 25758-45**	**tk 25758-60**	**tk 25758-90**	**tk 25758-12**

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"	**tk 25759-25**	**tk 25759-45**	**tk 25759-60**	**tk 25759-90**	**tk 25759-12**

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

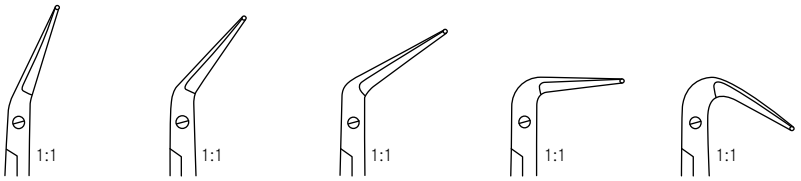
mit gedrehtem Schluss
90° twisted

tordus de 90°
giradas de 90°
girato 90°

Mikroscheren mit Rundgriff
Micro scissors with round handle

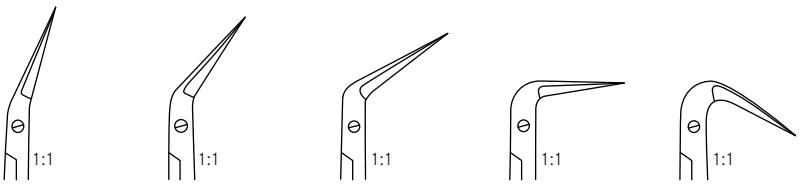
Micro ciseaux avec manche ronde
Micro tijeras con mango redondo
Forbici per micro chirurgia con manico rotondo





8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**tk 25756-25**	**tk 25756-45**	**tk 25756-60**	**tk 25756-90**	**tk 25756-12**

mit Knopf
with ball
avec bouton
con botón
con bottone



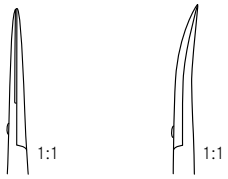
8 mm Ø	25°	45°	60°	90°	125°
180 mm – 7"	**tk 25757-25**	**tk 25757-45**	**tk 25757-60**	**tk 25757-90**	**tk 25757-12**

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

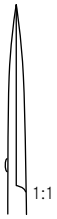


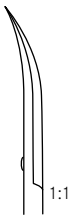


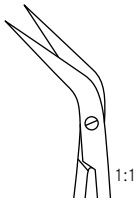
	9 mm Ø	9 mm Ø
150 mm – 6"	**tk 25680-15**	**tk 25681-15**

Mikro-Federscheren
Micro scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia



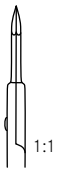


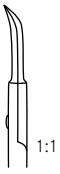




JACOBSON

160 mm – 6¼"	**tk 25521-16**	**tk 25522-16**	**tk 25520-16**
180 mm – 7"	**tk 25521-18**	**tk 25522-18**	**tk 25520-18**
	gerade ***straight*** droits *recta* retta	**gebogen** ***curved*** courbes *curva* curva	**abgewinkelt, 45°** ***angled, 45°*** angulaires, 45° *acodada, 45°* angolata, 45°



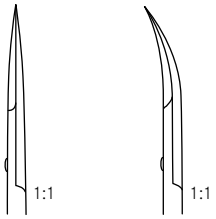


160 mm – 6¼"	**tk 25526-16**	**tk 25527-16**
180 mm – 7"	**tk 25526-18**	**tk 25527-18**

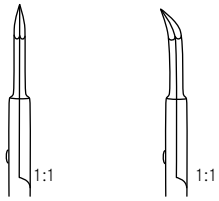
Vannas Schneide
Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas

Mikro-Federscheren
Micro scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia





YASARGIL-MOD.		
180 mm – 7"	tk 25556-18	tk 25557-18
225 mm – 8¾"	tk 25556-22	tk 25557-22

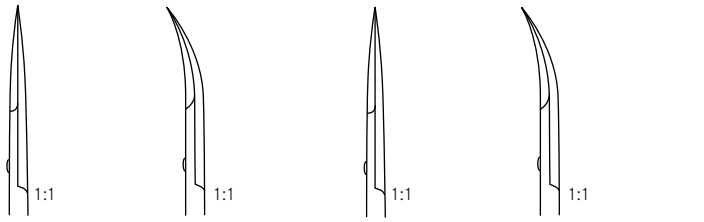


220 mm – 8¾"	tk 25558-22	tk 25559-22

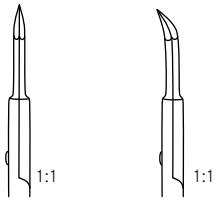
Vannas Schneide
Vannas blade
Lame de Vannas
Hoja de Vannas
Lama Vannas

Mikro-Federscheren
Micro scissors
Micro ciseaux à ressorts
Micro tijeras con resorte
Forbici per microchirurgia

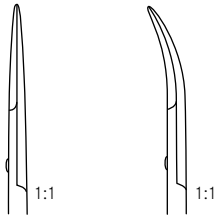




200 mm – 8"	**tk 25760-01**	**tk 25760-02**	**tk 25760-03**	**tk 25760-04**
225 mm – 8¾"	**tk 25761-01**	**tk 25761-02**	**tk 25761-03**	**tk 25761-04**
Schneide glatt, spitz ***Blade smooth, sharp*** Lames lisses, pointues *Hojas lisas, agudas* Lama liscia, acuta	**gerade** ***straight*** droits *recta* retta	**gebogen** ***curved*** courbes *curva* curva	**gerade, gezahnt** ***straight, saw edge*** droits, dentelées *recta, dentadas* retta, dentata	**gebogen, gezahnt** ***curved, saw edge*** courbes, dentelées *curva, dentadas* curva, dentata



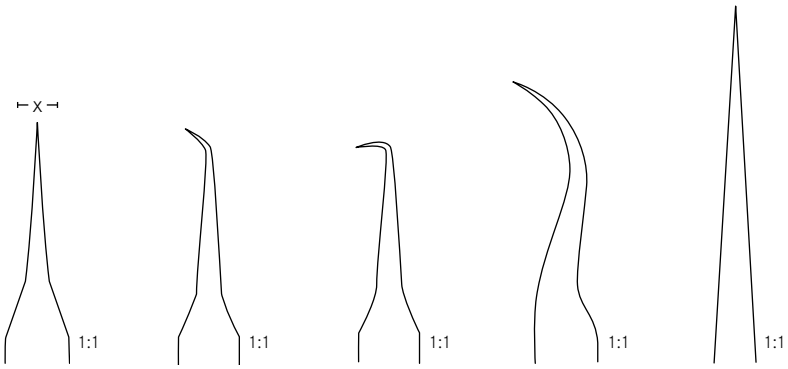
200 mm – 8"	**tk 25760-05**	**tk 25760-06**
225 mm – 8¾"	**tk 25761-05**	**tk 25761-06**
Vannas Schneide ***Vannas blade*** Lame de Vannas *Hoja de Vannas* Lama Vannas		



200 mm – 8"	**tk 25760-07**	**tk 25760-08**
225 mm – 8¾"	**tk 25761-07**	**tk 25761-08**
Präparier-Schneide, stumpf ***Dissector blade, blunt*** Lames de dissction, moussé *Hojas de disección, roma* Lama da dissezione, smussa		

Fixierpinzetten – Gefäßdilatatoren
Fixation forceps – Vascular dilators
Pinces à fixation – Dilatateures vasculaires
Pinzas de fixaciòn – Dilatadores vasculares
Pinze di fissaggio – Pinze per allargare i vasi





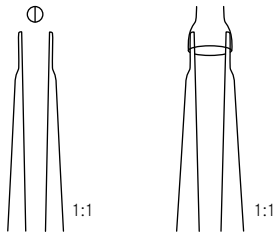
Typ Juwelier					
	x = 0.2 mm	x = 0.3 mm	x = 0.3 mm	x = 0.2 mm	x = 0.3 mm
	110 mm – 4¼"	110 mm – 4¼"	110 mm – 4¼"	120 mm – 4¾"	120 mm – 4¾"
	tk 26001-11	**tk 26002-11**	**tk 26003-11**	**tk 26005-12**	**tk 26006-13**





Pierse	
120 mm – 4¾"	**tk 26009-12**
135 mm – 5¼"	**tk 26009-13**





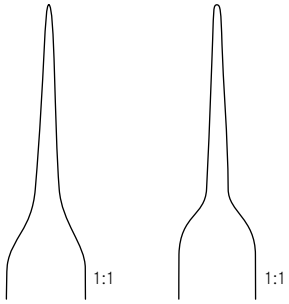
	x = 0.2 mm	x = 0.3 mm
110 mm – 4¼"	**tk 26015-02**	**tk 26015-03**

sehr fein
very fine
très fin
muy fino
molto fino

Mikro-Knüpfpinzetten
Micro suture tying forceps

Micro pinces pour sutures
Micro pinzas para suturas
Pinze per micro-suture

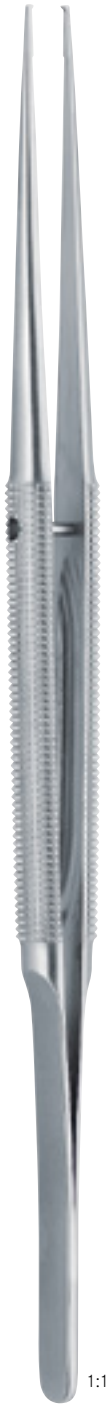


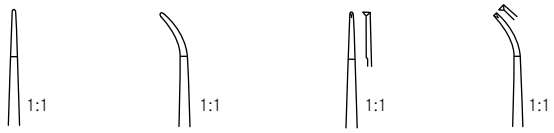


LAZAR

	0.5 mm	0.8 mm
155 mm – 6"	**tk 26016-01**	**tk 26016-02**

Mikro-Knüpfpinzetten
Micro suture tying forceps
Micro pinces pour sutures
Micro pinzas para suturas
Pinze per micro-suture





	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**tk 25695-01**	**tk 25695-02**	**tk 25695-05**	**tk 25695-06**

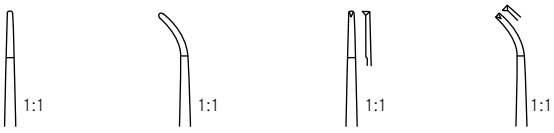
Fadenplatte 6,0 mm x 0,4 mm, glatt 1x2 1x2
Tying platform 6.0 mm x 0.4 mm, smooth

Plate-forme 6.0 mm x 0.4 mm, lisse
Plataforma 6.0 mm x 0.4 mm, lisa
Piano per sutura 6.0 mm x 0.4 mm, liscio

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**tk 25695-09**	**tk 25695-10**	**tk 25695-13**	**tk 25695-14**

Fadenplatte 6,0 mm x 0,4 mm, diamantiert 1x2 1x2
Tying platform 6.0 mm x 0.4 mm, diamond coated

Plate-forme 6.0 mm x 0.4 mm, diamanté
Plataforma 6.0 mm x 0.4 mm, diamantada
Piano per sutura 6.0 mm x 0.4 mm, diamantata



	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**tk 25695-03**	**tk 25695-04**	**tk 25695-07**	**tk 25695-08**

Fadenplatte 6,0 mm x 0,8 mm, glatt 1x2 1x2
Tying platform 6.0 mm x 0.8 mm, smooth

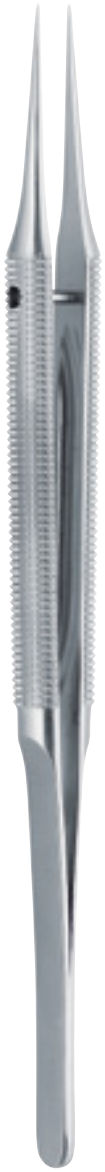
Plate-forme 6.0 mm x 0.8 mm, lisse
Plataforma 6.0 mm x 0.8 mm, lisa
Piano per sutura 6.0 mm x 0.8 mm, liscio

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
180 mm – 7"	**tk 25695-11**	**tk 25695-12**	**tk 25695-15**	**tk 25695-16**

Fadenplatte 6,0 mm x 0,8 mm, diamantiert 1x2 1x2
Tying platform 6.0 mm x 0.8 mm, diamond coated

Plate-forme 6.0 mm x 0.8 mm, diamanté
Plataforma 6.0 mm x 0.8 mm, diamantada
Piano per sutura 6.0 mm x 0.8 mm, diamantata

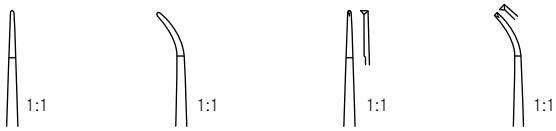
Mikropinzetten
Micro forceps
Micro pinces
Micro pinzas
Pinze per microchirurgia





8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**tk 25686-01**	**tk 25686-02**	**tk 25686-03**	**tk 25686-04**
180 mm – 7"	**tk 25687-01**	**tk 25687-02**	**tk 25687-03**	**tk 25687-04**
210 mm – 8¼"	**tk 25688-01**	**tk 25688-02**	**tk 25688-03**	**tk 25688-04**
230 mm – 9"	**tk 25689-01**	**tk 25689-02**	**tk 25689-03**	**tk 25689-04**

Maul glatt
Jaw smooth
Mors lisse
Boca lisa
Morso liscio



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**tk 25686-05**	**tk 25686-06**	**tk 25686-09**	**tk 25686-10**
180 mm – 7"	**tk 25687-05**	**tk 25687-06**	**tk 25687-09**	**tk 25687-10**
210 mm – 8¼"	**tk 25688-05**	**tk 25688-06**	**tk 25688-09**	**tk 25688-10**
230 mm – 9"	**tk 25689-05**	**tk 25689-06**	**tk 25689-09**	**tk 25689-10**

Fadenplatte 6,0 mm x 0,3 mm, glatt 1x2 1x2
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



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**tk 25686-07**	**tk 25686-08**	**tk 25686-11**	**tk 25686-12**
180 mm – 7"	**tk 25687-07**	**tk 25687-08**	**tk 25687-11**	**tk 25687-12**
210 mm – 8¼"	**tk 25688-07**	**tk 25688-08**	**tk 25688-11**	**tk 25688-12**
230 mm – 9"	**tk 25689-07**	**tk 25689-08**	**tk 25689-11**	**tk 25689-12**

Fadenplatte 6,0 mm x 0,7 mm, glatt 1x2 1x2
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

Mikropinzetten
Micro forceps
Micro pinces
Micro pinzas
Pinze per microchirurgia

diamantiert
diamond coated
diamanté
diamantada
diamantato





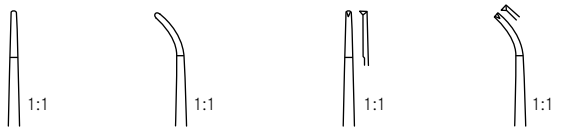
8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**tk 25686-13**	**tk 25686-14**	**tk 25686-15**	**tk 25686-16**
180 mm – 7"	**tk 25687-13**	**tk 25687-14**	**tk 25687-15**	**tk 25687-16**
210 mm – 8¼"	**tk 25688-13**	**tk 25688-14**	**tk 25688-15**	**tk 25688-16**
230 mm – 9"	**tk 25689-13**	**tk 25689-14**	**tk 25689-15**	**tk 25689-16**

diamantiert
diamond coated
diamanté
diamantada
diamantata



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**tk 25686-17**	**tk 25686-18**	**tk 25686-21**	**tk 25686-22**
180 mm – 7"	**tk 25687-17**	**tk 25687-18**	**tk 25687-21**	**tk 25687-22**
210 mm – 8¼"	**tk 25688-17**	**tk 25688-18**	**tk 25688-21**	**tk 25688-22**
230 mm – 9"	**tk 25689-17**	**tk 25689-18**	**tk 25689-21**	**tk 25689-22**

Fadenplatte 6,0 mm x 0,3 mm, diamantiert 1x2 1x2
Tying platform 6.0 mm x 0.3 mm, diamond coated
Plate-forme 6.0 mm x 0.3 mm, diamanté
Plataforma 6.0 mm x 0.3 mm, diamantada
Piano per sutura 6.0 mm x 0.3 mm, diamantata



8 mm Ø	0.3 mm	0.3 mm	0.7 mm	0.7 mm
150 mm – 6"	**tk 25686-19**	**tk 25686-20**	**tk 25686-23**	**tk 25686-24**
180 mm – 7"	**tk 25687-19**	**tk 25687-20**	**tk 25687-23**	**tk 25687-24**
210 mm – 8¼"	**tk 25688-19**	**tk 25688-20**	**tk 25688-23**	**tk 25688-24**
230 mm – 9"	**tk 25689-19**	**tk 25689-20**	**tk 25689-23**	**tk 25689-24**

Fadenplatte 6,0 mm x 0,7 mm, diamantiert 1x2 1x2
Tying platform 6.0 mm x 0.7 mm, diamond coated
Plate-forme 6.0 mm x 0.7 mm, diamanté
Plataforma 6.0 mm x 0.7 mm, diamantada
Piano per sutura 6.0 mm x 0.7 mm, diamantata

Mikropinzetten
Micro forceps
Micro pinces
Micro pinzas
Pinze per microchirurgia

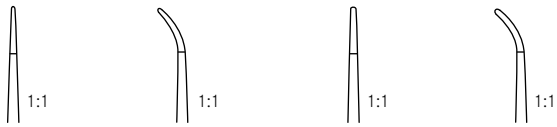
TITAN





8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	**tk 25786-01**	**tk 25786-02**	**tk 25786-03**	**tk 25786-04**
180 mm – 7"	**tk 25787-01**	**tk 25787-02**	**tk 25787-03**	**tk 25787-04**
210 mm – 8¼"	**tk 25788-01**	**tk 25788-02**	**tk 25788-03**	**tk 25788-04**
230 mm – 9"	**tk 25789-01**	**tk 25789-02**	**tk 25789-03**	**tk 25789-04**

Maul glatt
Jaw smooth
Mors lisse
Boca lisa
Morso liscio



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	**tk 25786-05**	**tk 25786-06**	**tk 25786-07**	**tk 25786-08**
180 mm – 7"	**tk 25787-05**	**tk 25787-06**	**tk 25787-07**	**tk 25787-08**
210 mm – 8¼"	**tk 25788-05**	**tk 25788-06**	**tk 25788-07**	**tk 25788-08**
230 mm – 9"	**tk 25789-05**	**tk 25789-06**	**tk 25789-07**	**tk 25789-08**

Fadenplatte 6,0 mm
Tying platform 6.0 mm
Plate-forme 6.0 mm
Plataforma 6.0 mm
Piano per sutura 6.0 mm



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	**tk 25786-09**	**tk 25786-10**	**tk 25786-11**	**tk 25786-12**
180 mm – 7"	**tk 25787-09**	**tk 25787-10**	**tk 25787-11**	**tk 25787-12**
210 mm – 8¼"	**tk 25788-09**	**tk 25788-10**	**tk 25788-11**	**tk 25788-12**
230 mm – 9"	**tk 25789-09**	**tk 25789-10**	**tk 25789-11**	**tk 25789-12**

Fadenplatte 6,0 mm / 1x2 Zähne
Tying platform 6.0 mm / 1x2 teeth
Plate-forme 6.0 mm / 1x2 dents
Plataforma 6.0 mm / 1x2 dientes
Piano per sutura 6.0 mm / 1x2 denti

Mikropinzetten
Micro forceps
Micro pinces
Micro pinzas
Pinze per microchirurgia

diamantiert
diamond coated
diamanté
diamantada
diamantato

TITAN





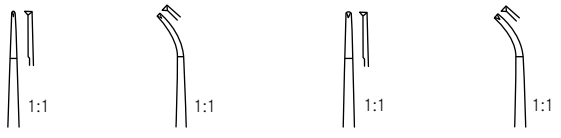
8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	**tk 25786-13**	**tk 25786-14**	**tk 25786-15**	**tk 25786-16**
180 mm – 7"	**tk 25787-13**	**tk 25787-14**	**tk 25787-15**	**tk 25787-16**
210 mm – 8¼"	**tk 25788-13**	**tk 25788-14**	**tk 25788-15**	**tk 25788-16**
230 mm – 9"	**tk 25789-13**	**tk 25789-14**	**tk 25789-15**	**tk 25789-16**

diamantiert
diamond coated
diamanté
diamantada
diamantata



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	**tk 25786-17**	**tk 25786-18**	**tk 25786-19**	**tk 25786-20**
180 mm – 7"	**tk 25787-17**	**tk 25787-18**	**tk 25787-19**	**tk 25787-20**
210 mm – 8¼"	**tk 25788-17**	**tk 25788-18**	**tk 25788-19**	**tk 25788-20**
230 mm – 9"	**tk 25789-17**	**tk 25789-18**	**tk 25789-19**	**tk 25789-20**

Fadenplatte 6,0 mm, diamantiert
Tying platform 6.0 mm, diamond coated
Plate-forme 6.0 mm, diamanté
Plataforma 6.0 mm, diamantada
Piano per sutura 6.0 mm, diamantata



8 mm Ø	0.4 mm	0.4 mm	0.8 mm	0.8 mm
150 mm – 6"	**tk 25786-21**	**tk 25786-22**	**tk 25786-23**	**tk 25786-24**
180 mm – 7"	**tk 25787-21**	**tk 25787-22**	**tk 25787-23**	**tk 25787-24**
210 mm – 8¼"	**tk 25788-21**	**tk 25788-22**	**tk 25788-23**	**tk 25788-24**
230 mm – 9"	**tk 25789-21**	**tk 25789-22**	**tk 25789-23**	**tk 25789-24**

Fadenplatte 6,0 mm / 1x2 Zähne, diamantiert
Tying platform 6.0 mm / 1x2 teeth, diamond coated
Plate-forme 6.0 mm / 1x2 dents, diamanté
Plataforma 6.0 mm / 1x2 dientes, diamantada
Piano per sutura 6.0 mm / 1x2 denti, diamantata

Mikropinzetten
Micro forceps
Micro pinces
Micro pinzas
Pinze per microchirurgia







JACOBSON

160 mm – 6¼"	**tk 25733-01**	**tk 25733-02**	**tk 25733-03**	**tk 25733-04**
180 mm – 7"	**tk 25734-01**	**tk 25734-02**	**tk 25734-03**	**tk 25734-04**
	gerade, spitz ***straight, sharp*** droit, pointue *recta, aguda* retta, acuta	**gerade, stumpf** ***straight, blunt*** droit, mousse *recta, roma* retta, smussa	**abgewinkelt, spitz** ***angled, sharp*** angulaire, pointue *acodada, aguda* angolata, acuta	**abgewinkelt, stumpf** ***angled, blunt*** angulaire, mousse *acodada, roma* angolata, smussa

160 mm – 6¼"	**tk 25733-05**	**tk 25733-06**	**tk 25733-07**	**tk 25733-08**
180 mm – 7"	**tk 25734-05**	**tk 25734-06**	**tk 25734-07**	**tk 25734-08**
diamantiert ***diamond coated*** diamanté *diamantada* diamantata	**gerade, spitz** ***straight, sharp*** droit, pointue *recta, aguda* retta, acuta	**gerade, stumpf** ***straight, blunt*** droit, mousse *recta, roma* 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 pinces
Micro pinzas
Pinze per microchirurgia


1:1


1:1


1:1


1:1

YASARGIL

	225 mm – 8¾"	225 mm – 8¾"	225 mm – 8¾"
3.0 mm	**tk 25580-03**	**tk 25581-03**	**tk 25582-03**
5.0 mm	**tk 25580-05**	**tk 25581-05**	**tk 25582-05**
	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 pinces
Micro pinzas
Pinze per microchirurgia



1:1



200 mm – 8"	tk 25732-05	tk 25732-06	tk 25732-07	tk 25732-08
225 mm – 8¾"	tk 25732-13	tk 25732-14	tk 25732-15	tk 25732-16
diamantiert ***diamond coated*** diamanté *diamantado* diamantato	**gerade, spitz** ***straight, sharp*** droit, pointue *recta, aguda* retta, acuta	**gerade, stumpf** ***straight, blunt*** droit, mousse *recta, roma* retta, smussa	**abgewinkelt, spitz** ***angled, sharp*** angulaire, pointue *acodada, aguda* angolata, acuta	**abgewinkelt, stumpf** ***angled, blunt*** angulaire, mousse *acodada, roma* angolata, smussa

225 mm – 8¾"	tk 25876-22 Titan	tk 25877-22 Titan
TITAN	**gerade, spitz** ***straight, sharp*** droit, pointue *recta, aguda* retta, acuta	**gerade, stumpf** ***straight, blunt*** droit, mousse *recta, roma* retta, smussa

200 mm – 8"	tk 25732-03	tk 25732-04
225 mm – 8¾"	tk 25732-11	tk 25732-12
	abgewinkelt, spitz ***angled, sharp*** angulaire, pointue *acodada, aguda* angolata, acuta	**abgewinkelt, stumpf** ***angled, blunt*** angulaire, mousse *acodada, roma* angolata, smussa

Mikropinzetten mit Rundgriff
Micro-forceps with round handle
Micro-pince avec manche ronde
Pinzas micro con mango redondo
Micro pinze con manico rotondo

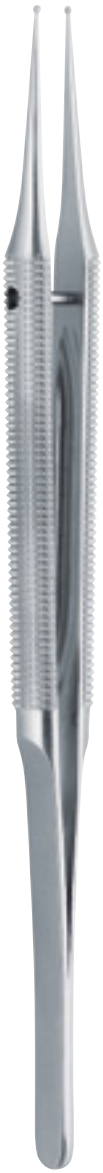




	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm – 8¼"	**tk 25730-01**	**tk 25730-02**	**tk 25730-03**	**tk 25730-04**
230 mm – 9"	**tk 25730-09**	**tk 25730-10**	**tk 25730-11**	**tk 25730-12**
	gerade, spitz ***straight, sharp*** droit, pointue *recta, aguda* retta, acuta	**gerade, stumpf** ***straight, blunt*** droit, mousse *recta, roma* retta, smussa	**abgewinkelt, spitz** ***angled, sharp*** angulaire, pointue *acodada, aguda* angolata, acuta	**abgewinkelt, stumpf** ***angled, blunt*** angulaire, mousse *acodada, roma* angolata, smussa

	9 mm Ø	9 mm Ø	9 mm Ø	9 mm Ø
210 mm – 8¼"	**tk 25730-05**	**tk 25730-06**	**tk 25730-07**	**tk 25730-08**
230 mm – 9"	**tk 25730-13**	**tk 25730-14**	**tk 25730-15**	**tk 25730-16**
diamantiert ***diamond coated*** diamanté *diamantada* diamantata	**gerade, spitz** ***straight, sharp*** droit, pointue *recta, aguda* retta, acuta	**gerade, stumpf** ***straight, blunt*** droit, mousse *recta, roma* retta, smussa	**abgewinkelt, spitz** ***angled, sharp*** angulaire, pointue *acodada, aguda* angolata, acuta	**abgewinkelt, stumpf** ***angled, blunt*** angulaire, mousse *acodada, roma* angolata, smussa

Mikro-Ringpinzetten
Micro ring forceps
Micro pinces avec anneaux
Micro pinzas con anillos
Micro pinze con anelli















9 mm Ø	1.0 x 0.5 mm	1.0 x 0.5 mm	2.0 x 1.0 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm – 6"	**tk 25698-01**	**tk 25698-02**	**tk 25698-03**	**tk 25698-04**	**tk 25698-05**	**tk 25698-06**
180 mm – 7"	**tk 25698-07**	**tk 25698-08**	**tk 25698-09**	**tk 25698-10**	**tk 25698-11**	**tk 25698-12**
210 mm – 8¼"	**tk 25699-01**	**tk 25699-02**	**tk 25699-03**	**tk 25699-04**	**tk 25699-05**	**tk 25699-06**
230 mm – 9"	**tk 25699-07**	**tk 25699-08**	**tk 25699-09**	**tk 25699-10**	**tk 25699-11**	**tk 25699-12**
	glatt ***smooth*** lisse *lisa* liscia	**fein gerieft** ***slightly serrated*** légèrement strié *lig. estriada* fina zigrinata	**glatt** ***smooth*** lisse *lisa* liscia	**fein gerieft** ***slightly serrated*** légèrement strié *lig. estriada* fina zigrinata	**diamantiert** ***diamond coated*** diamanté *diamantada* diamantata	**diamantiert** ***diamond coated*** diamanté *diamantada* diamantata













8 mm Ø	1.0 x 0.5 mm	1.0 x 0.5 mm	2.0 x 1.0 mm	2.0 x 1.0 mm	1.0 x 0.5 mm	2.0 x 1.0 mm
150 mm – 6"	**tk 25696-01**	**tk 25696-02**	**tk 25696-03**	**tk 25696-04**	**tk 25696-05**	**tk 25696-06**
180 mm – 7"	**tk 25696-07**	**tk 25696-08**	**tk 25696-09**	**tk 25696-10**	**tk 25696-11**	**tk 25696-12**
210 mm – 8¼"	**tk 25697-01**	**tk 25697-02**	**tk 25697-03**	**tk 25697-04**	**tk 25697-05**	**tk 25697-06**
230 mm – 9"	**tk 25697-07**	**tk 25697-08**	**tk 25697-09**	**tk 25697-10**	**tk 25697-11**	**tk 25697-12**
	glatt ***smooth*** lisse *lisa* liscia	**fein gerieft** ***slightly serrated*** légèrement strié *lig. estriada* fina zigrinata	**glatt** ***smooth*** lisse *lisa* liscia	**fein gerieft** ***slightly serrated*** légèrement strié *lig. estriada* fina zigrinata	**diamantiert** ***diamond coated*** diamanté *diamantada* diamantata	**diamantiert** ***diamond coated*** diamanté *diamantada* diamantata

Mikro-Ringpinzetten
Micro ring forceps
Micro pinces avec anneaux
Micro pinzas con anillos
Micro pinze con anelli











9 mm Ø	1.0 mm x 0.5 mm	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm	2.0 mm x 1.0 mm
210 mm – 8¼"	**tk 25731-01**	**tk 25731-02**	**tk 25731-03**	**tk 25731-04**
230 mm – 9"	**tk 25731-07**	**tk 25731-08**	**tk 25731-09**	**tk 25731-10**
	glatt ***smooth*** lisse *liso* liscia	**gerieft** ***serrated*** strié *estriada* zigrinata	**glatt** ***smooth*** lisse *liso* liscia	**gerieft** ***serrated*** strié *estriada* zigrinata





9 mm Ø	1.0 mm x 0.5 mm	2.0 mm x 1.0 mm
210 mm – 8¼"	**tk 25731-05**	**tk 25731-06**
230 mm – 9"	**tk 25731-11**	**tk 25731-12**

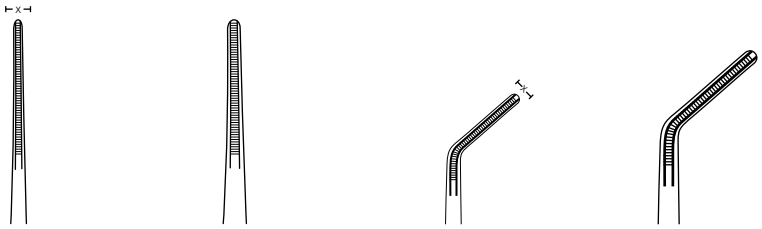
diamantiert
diamond coated
diamanté
diamantada
diamantata

Atraumatische Mikropinzetten
Atraumatic micro forceps

Micro pinces atraumatiques
Micro pinces atraumaticas
Micro pinze atraumatiche

ATRAUMTK





	x = 1.2 mm	x = 2.0 mm	x = 1.5 mm	x = 2.0 mm
150 mm – 6"	**tk 25690-01**	**tk 25690-02**	**tk 25690-03**	**tk 25690-04**
180 mm – 7"	**tk 25690-05**	**tk 25690-06**	**tk 25690-07**	**tk 25690-08**
210 mm – 8¼"	**tk 25690-09**	**tk 25690-10**	**tk 25690-11**	**tk 25690-12**
230 mm – 9"	**tk 25690-13**	**tk 25690-14**	**tk 25690-15**	**tk 25690-16**
	gerade ***straight*** droit *recta* retta	**gerade** ***straight*** droit *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

x = 11.0 mm x 0.75 mm	1:1	1:1	1:1	1:1
140 mm – 5½"	**tk 40910-14**	**tk 40911-14**	**tk 40912-14**	**tk 40913-14**
ohne Sperre, feines Maul ***without ratchet, fine jaws*** sans crémaillère, mors fine *sin cremallera, boca fina* senza cremagliera, morso fino	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

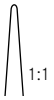
x = 11.0 mm x 0.75 mm				
140 mm – 5½"	**tk 40915-14**	**tk 40917-14**	**tk 40918-14**	**tk 40919-14**
mit Sperre, feines Maul ***with ratchet, fine jaws*** avec crémaillère, mors fine *con cremallera, boca fina* con cremagliera, morso fino	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

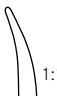
Mikronadelhalter
Micro needle holders

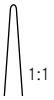
Micro porte aiguilles
Micro porta agujas
Micro porta aghi



JACOBSON









	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	**tk 25740-01**	**tk 25740-02**	**tk 25740-13**	**tk 25740-14**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	**tk 25740-03**	**tk 25740-04**	**tk 25740-15**	**tk 25740-16**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

TUCAR









	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
180 mm – 7"	**tk 25740-05 tucar**	**tk 25740-06 tucar**	**tk 25740-09 tucar**	**tk 25740-10 tucar**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade, glatt** ***straight, smooth*** droit, lisse *recta, liso* 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

180 mm – 7"	**tk 25740-07 tucar**	**tk 25740-08 tucar**	**tk 25740-11 tucar**	**tk 25740-12 tucar**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade, glatt** ***straight, smooth*** droit, lisse *recta, liso* 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

180 mm – 7"	**tk 25512-18**	**tk 25513-18**	**tk 25514-18**	**tk 25515-18**
200 mm – 8"	**tk 25512-20**	**tk 25513-20**	**tk 25514-20**	**tk 25515-20**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

180 mm – 7"	**tk 25510-18**	**tk 25511-18**	**tk 25516-18**	**tk 25517-18**
200 mm – 8"	**tk 25510-20**	**tk 25511-20**	**tk 25516-20**	**tk 25517-20**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

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









	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**tk 25623-01**	**tk 25623-02**	**tk 25623-13**	**tk 25623-14**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantado* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantado* curvo, diamantato

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**tk 25623-03**	**tk 25623-04**	**tk 25623-15**	**tk 25623-16**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

TUCAR









	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**tk 25623-05 tucar**	**tk 25623-06 tucar**	**tk 25623-09 tucar**	**tk 25623-10 tucar**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade, glatt** ***straight, smooth*** droit, lisse *recta, 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

	x = 1 mm	x = 1 mm	x = 1 mm	x = 1 mm
210 mm – 8¼"	**tk 25623-07 tucar**	**tk 25623-08 tucar**	**tk 25623-11 tucar**	**tk 25623-12 tucar**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade, glatt** ***straight, smooth*** droit, lisse *recta, 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

Auf Anfrage mit kräftigem Maul 1.5 mm – 2.0 mm lieferbar.
On request also available with stronger jaw 1.5 mm – 2.0 mm.
Egalement disponible avec mors plus gros 1.5 mm – 2.0 mm.
También disponible con boca mas fuerte 1.5 mm – 2.0 mm.
A richiesta fornibile anche con morso più forte di mm 1.5 a mm 2.0.

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 – 4¼"	8 mm Ø	**tk 25637-11**	**tk 25638-11**
125 mm – 5"	7 mm Ø	**tk 25654-12**	**tk 25655-12**
130 mm – 5"	8 mm Ø	**tk 25658-13**	**tk 25659-13**
130 mm – 5"	10 mm Ø	**tk 25652-13**	**tk 25653-13**
150 mm – 6"	8 mm Ø	**tk 25640-15**	**tk 25641-15**
180 mm – 7"	8 mm Ø	**tk 25664-18**	**tk 25665-18**
180 mm – 7"	10 mm Ø	**tk 25668-18**	**tk 25669-18**

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

gerade
straight
droit
recta
retto

gebogen
curved
courbe
curva
curvo

110 mm – 4¼"	8 mm Ø	**tk 25635-11**	**tk 25636-11**
125 mm – 5"	7 mm Ø	**tk 25656-12**	**tk 25657-12**
130 mm – 5"	8 mm Ø	**tk 25662-13**	**tk 25663-13**
130 mm – 5"	10 mm Ø	**tk 25645-13**	**tk 25646-13**
150 mm – 6"	8 mm Ø	**tk 25642-15**	**tk 25643-15**
180 mm – 7"	8 mm Ø	**tk 25666-18**	**tk 25667-18**
180 mm – 7"	10 mm Ø	**tk 25670-18**	**tk 25671-18**

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

gerade
straight
droit
recta
retto

gebogen
curved
courbe
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



BARRAQUER

		 1:1	 1:1	 1:1	 1:1
140 mm – 5½"	8 mm Ø	**tk 25622-01**	**tk 25622-02**	**tk 25622-05**	**tk 25622-06**
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*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

140 mm – 5½"	8 mm Ø	**tk 25622-03**	**tk 25622-04**	**tk 25622-07**	**tk 25622-08**
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*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

Mikronadelhalter
Micro needle holders
Micro porte aiguilles
Micro porta agujas
Micro porta aghi





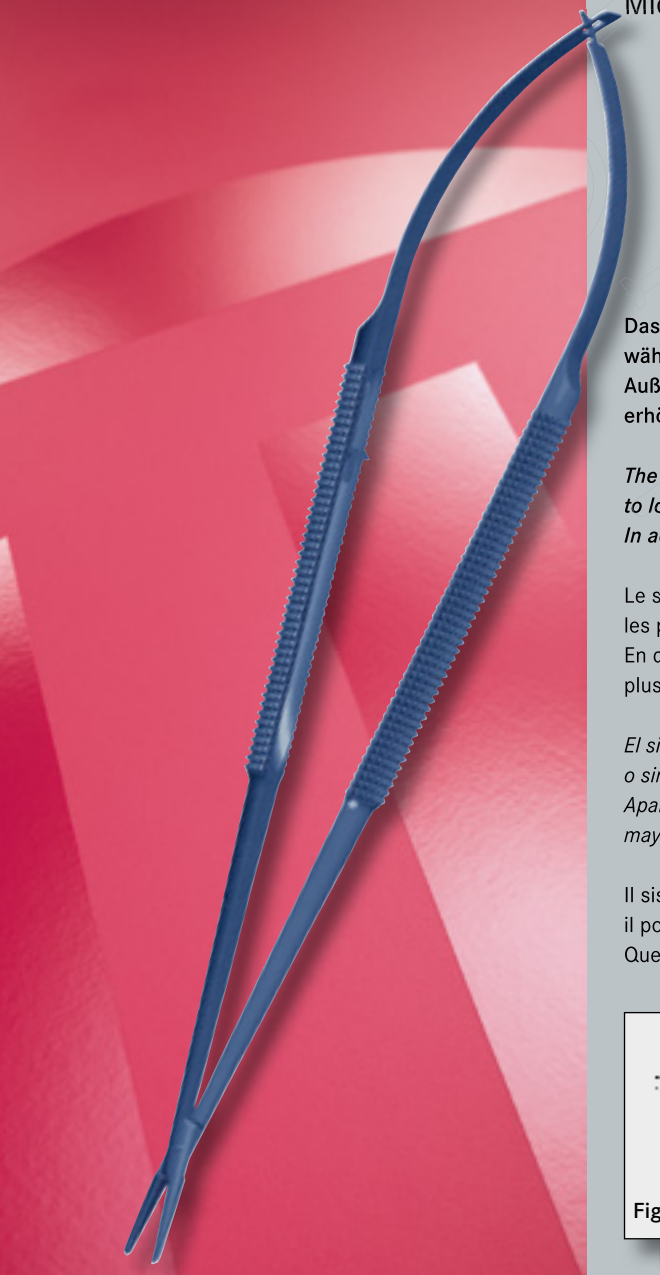
150 mm – 6"	9 mm Ø	tk 25685-15

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

TITAN

Mikronadelhalter
Micro needle holders

Micro porte aiguilles
Micro porta agujas
Micro porta aghi



Das 2 in 1 System erlaubt die Benutzung der Nadelhalter, selbst während des Eingriffs, mit Sperre (Fig. A) oder ohne Sperre (Fig. B). Außer dem wirtschaftlichen Aspekt, der für dieses System spricht, erhöht sich auch die Zuverlässigkeit der Instrumente.

The 2 in 1 system allows to switch intraoperatively from lock (Fig. A) to lock free (Fig. B) use of the needle holder. In addition to cost effectiveness, this new concept provides better reliability.

Le systeme 2 in 1 permet d'utiliser, meme en cours d'intervention, les porte-aiguille avec verrou (Fig. A) ou sans verrou (Fig. B). En dehors de l'aspect economique, ce nouveau concept apporte une plus grande fiabilite.

El sistema 2 in 1 permite utilizar el portaaguja con cerrojo (Fig. A) o sin cerrojo (Fig. B) incluso durante la intervención. Aparte del aspecto economicó, este nuevo concepto aporta una mayor fiabilidad.

Il sistema 2 in 1 permette di utilizzare, anche in corso d'intervento il portaghi con la chiusura (Fig. A) o senza (Fig. B). Questo nuovo concetto assicura una maggiore affidabilità.

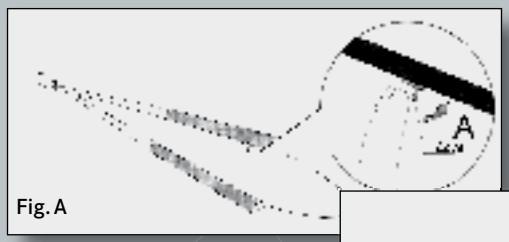


Fig. A

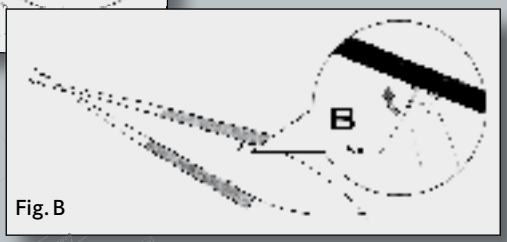


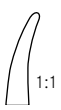
Fig. B

Mikronadelhalter
Micro needle holders
Micro porte aiguilles
Micro porta agujas
Micro porta aghi



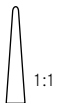


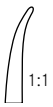




	0.8 mm x 0.8 mm	0.8 mm x 0.8 mm
185 mm – 7¼"	**tk 25685-09**	**tk 25685-10**

Titan, mit Sperre
Titanium, with ratchet
Titane, avec crémaillère
Titano, con cremallera
Titanio, con cremagliera





	0.3 mm x 0.4 mm	0.3 mm x 0.4 mm
180 mm – 7"	**tk 25685-07**	**tk 25685-08**

Titan, mit Sperre
Titanium, with ratchet
Titane, avec crémaillère
Titano, con cremallera
Titanio, con cremagliera

Mikronadelhalter
Micro needle holders
Micro porte aiguilles
Micro porta agujas
Micro porta aghi

TITANTK

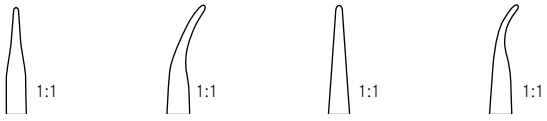






	0.5 mm x 0.8 mm	0.5 mm x 0.8 mm
200 mm – 8"	**tk 25685-11**	**tk 25685-12**

Titan, mit Sperre
Titanium, with ratchet
Titane, avec crémaillère
Titano, con cremallera
Titanio, con cremagliera



	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"	**tk 25685-13**	**tk 25685-14**	**tk 25685-19**	**tk 25685-16**

Titan, mit Sperre
Titanium, with ratchet
Titane, avec crémaillère
Titano, con cremallera
Titanio, con cremagliera

Mikronadelhalter
Micro needle holders
Micro porte aiguilles
Micro porta agujas
Micro porta aghi







225 mm – 8¾"	**tk 25563-22**	**tk 25564-22**

stainless steel

225 mm – 8¾"	**tk 25565-22**	**tk 25566-22**

TUCARTK

225 mm – 8¾"	**tk 25863-22 Titan**	**tk 25864-22 Titan**

TITANTK

ohne Sperre
without ratchet
sans crémaillère
sin cremallera
senza cremagliera

225 mm – 8¾"	**tk 25567-22**	**tk 25568-22**

stainless steel

225 mm – 8¾"	**tk 25569-22**	**tk 25570-22**

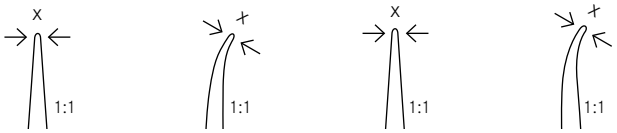
TUCARTK

mit Sperre
with ratchet
avec crémaillère
con cremallera
con cremagliera

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"	**tk 25700-01**	**tk 25700-02**	**tk 25700-03**	**tk 25700-04**
225 mm – 8¾"	**tk 25700-09**	**tk 25700-10**	**tk 25700-11**	**tk 25700-12**
240 mm – 9½"	**tk 25702-01**	**tk 25702-02**	**tk 25702-03**	**tk 25702-04**
ohne Sperre	**gerade**	**gebogen**	**gerade**	**gebogen**
without ratchet	***straight***	***curved***	***straight***	***curved***
sans crémaillère	droit	courbe	droit	courbe
sin cremallera	*recta*	*curva*	*recta*	*curva*
senza cremagliera	retto	curvo	retto	curvo

	x = 0.4 mm	x = 0.4 mm	x = 0.9 mm	x = 0.9 mm
200 mm – 8"	**tk 25700-05**	**tk 25700-06**	**tk 25700-07**	**tk 25700-08**
225 mm – 8¾"	**tk 25700-13**	**tk 25700-14**	**tk 25700-15**	**tk 25700-16**
240 mm – 9½"	**tk 25702-05**	**tk 25702-06**	**tk 25702-07**	**tk 25702-08**
ohne Sperre, diamantiert	**gerade**	**gebogen**	**gerade**	**gebogen**
without ratchet, diamond coated	***straight***	***curved***	***straight***	***curved***
sans crémaillère, diamanté	droit	courbe	droit	courbe
sin cremallera, diamantada	*recta*	*curva*	*recta*	*curva*
senza cremagliera, diamantato	retto	curvo	retto	curvo

Diese Nadelhalter sind auch mit Sperre erhältlich.
These needle holders are also available with ratchet.
Ces porte aiguilles sort également disponibles avec crémaillère.
Estas porta agujas son también disponibles con cremallera.
Questi port'aghi son fornibili anche con cremagliera.

Mikronadelhalter
Micro needle holders
Micro porte aiguilles
Micro porta agujas
Micro porta aghi



JACOBSON









180 mm – 7"	tk 25701-01	tk 25701-02	tk 25701-05	tk 25701-06
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

180 mm – 7"	tk 25701-03	tk 25701-04	tk 25701-07	tk 25701-08
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantadao* curvo, diamantato

Diese Nadelhalter sind auch mit Sperre erhältlich.
These needle holders are also available with ratchet.
Ces porte aiguilles sort également disponibles avec crémaillère.
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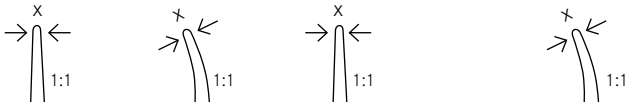
Questi port'aghi son fornibili anche con cremagliera.

Mikronadelhalter
Micro needle holders
Micro porte aiguilles
Micro porta agujas
Micro porta aghi





9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	**tk 25624-01**	**tk 25624-02**	**tk 25624-13**	**tk 25624-14**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

9 mm Ø	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm	x = 1.0 mm
230 mm – 9"	**tk 25624-03**	**tk 25624-04**	**tk 25624-15**	**tk 25624-16**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade** ***straight*** droit *recta* retto	**gebogen** ***curved*** courbe *curva* curvo	**gerade, diamantiert** ***straight, diamond coated*** droit, diamanté *recta, diamantada* retto, diamantato	**gebogen, diamantiert** ***curved, diamond coated*** courbe, diamanté *curva, diamantada* curvo, diamantato

TUCAR



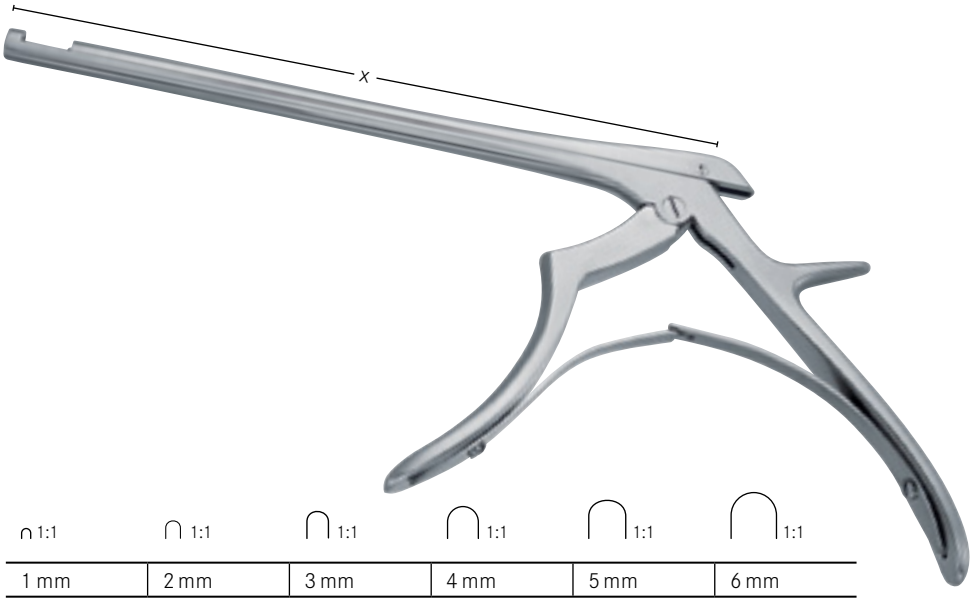
9 mm Ø				
230 mm – 9"	**tk 25624-05 tucar**	**tk 25624-06 tucar**	**tk 25624-09 tucar**	**tk 25624-10 tucar**
ohne Sperre ***without ratchet*** sans crémaillère *sin cremallera* senza cremagliera	**gerade, glatt** ***straight, smooth*** droit, lisse *recta, lisa* retto, liscio	**gebogen, glatt** ***curved, 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

TUCAR

9 mm Ø				
230 mm – 9"	**tk 25624-07 tucar**	**tk 25624-08 tucar**	**tk 25624-11 tucar**	**tk 25624-12 tucar**
mit Sperre ***with ratchet*** avec crémaillère *con cremallera* con cremagliera	**gerade, glatt** ***straight, smooth*** droit, lisse *recta, 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

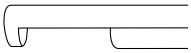
Laminektomiestanzen
Laminectomy punches

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

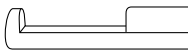


1 mm	2 mm	3 mm	4 mm	5 mm	6 mm

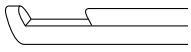
Ferris- Smith-Kerrison



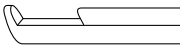
	x = 150mm – 6"	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	**tk 28001-01**	**tk 28002-01**	**tk 28003-01**	**tk 28004-01**
2 mm	**tk 28001-02**	**tk 28002-02**	**tk 28003-02**	**tk 28004-02**
3 mm	**tk 28001-03**	**tk 28002-03**	**tk 28003-03**	**tk 28004-03**
4 mm	**tk 28001-04**	**tk 28002-04**	**tk 28003-04**	**tk 28004-04**
5 mm	**tk 28001-05**	**tk 28002-05**	**tk 28003-05**	**tk 28004-05**
6 mm	**tk 28001-06**	**tk 28002-06**	**tk 28003-06**	**tk 28004-06**



1 mm	**tk 28005-01**	**tk 28006-01**	**tk 28007-01**	**tk 28008-01**
2 mm	**tk 28005-02**	**tk 28006-02**	**tk 28007-02**	**tk 28008-02**
3 mm	**tk 28005-03**	**tk 28006-03**	**tk 28007-03**	**tk 28008-03**
4 mm	**tk 28005-04**	**tk 28006-04**	**tk 28007-04**	**tk 28008-04**
5 mm	**tk 28005-05**	**tk 28006-05**	**tk 28007-05**	**tk 28008-05**
6 mm	**tk 28005-06**	**tk 28006-06**	**tk 28007-06**	**tk 28008-06**



1 mm	**tk 28010-01**	**tk 28011-01**	**tk 28012-01**	**tk 28013-01**
2 mm	**tk 28010-02**	**tk 28011-02**	**tk 28012-02**	**tk 28013-02**
3 mm	**tk 28010-03**	**tk 28011-03**	**tk 28012-03**	**tk 28013-03**
4 mm	**tk 28010-04**	**tk 28011-04**	**tk 28012-04**	**tk 28013-04**
5 mm	**tk 28010-05**	**tk 28011-05**	**tk 28012-05**	**tk 28013-05**
6 mm	**tk 28010-06**	**tk 28011-06**	**tk 28012-06**	**tk 28013-06**

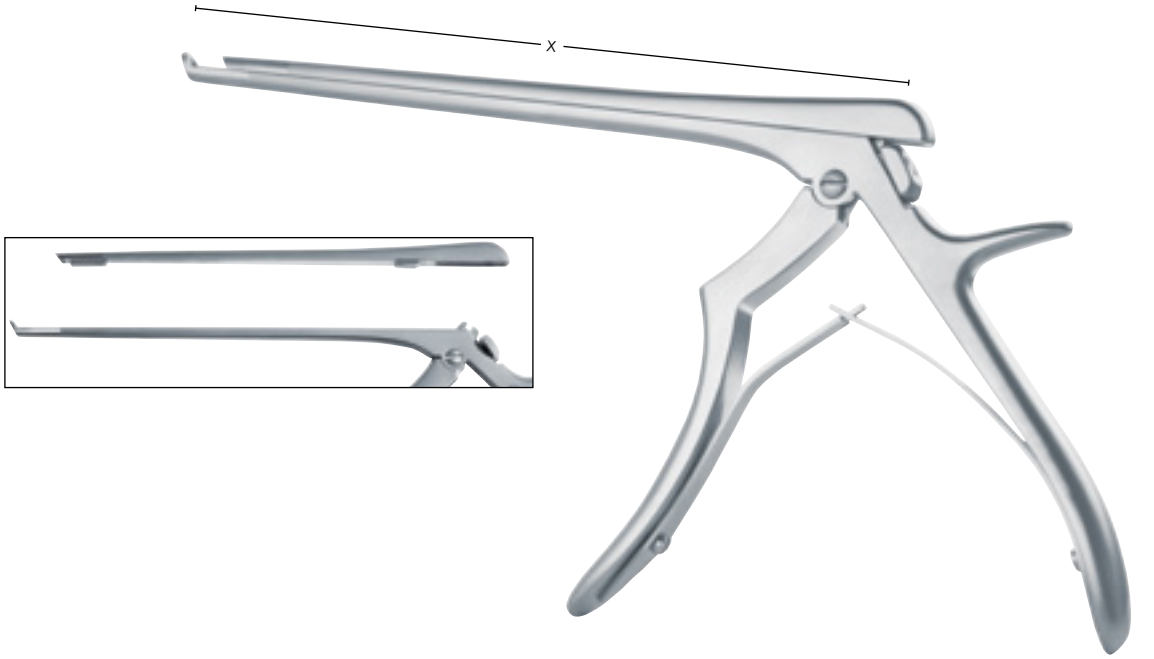


1 mm	**tk 28089-01**	**tk 28090-01**	**tk 28094-01**	
2 mm	**tk 28089-02**	**tk 28090-02**	**tk 28094-02**	**tk 28095-02**
3 mm		**tk 28090-03**	**tk 28094-03**	**tk 28095-03**
4 mm		**tk 28090-04**	**tk 28094-04**	**tk 28095-04**
5 mm		**tk 28090-05**	**tk 28094-05**	**tk 28095-05**
6 mm		**tk 28090-06**	**tk 28094-06**	**tk 28095-06**

Dünne Fußplatte
Thin footplate
Plaque de coupe étroite
Lámina de punzonar 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

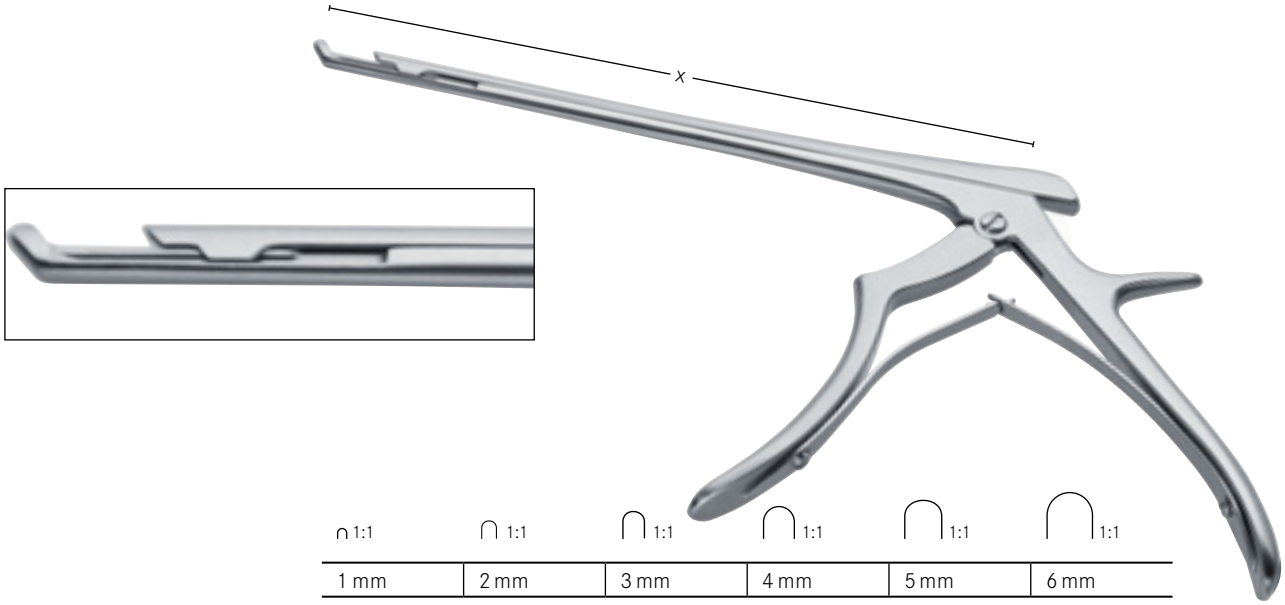
Ferris- Smith-Kerrison

	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	tk 28002-01Z	tk 28003-01Z	tk 28008-01Z
2 mm	tk 28002-02Z	tk 28003-02Z	tk 28008-02Z
3 mm	tk 28002-03Z	tk 28003-03Z	tk 28008-03Z
4 mm	tk 28002-04Z	tk 28003-04Z	tk 28008-04Z
5 mm	tk 28002-05Z	tk 28003-05Z	tk 28008-05Z
6 mm	tk 28002-06Z	tk 28003-06Z	tk 28008-06Z
1 mm	tk 28006-01Z	tk 28007-01Z	tk 28009-01Z
2 mm	tk 28006-02Z	tk 28007-02Z	tk 28009-02Z
3 mm	tk 28006-03Z	tk 28007-03Z	tk 28009-03Z
4 mm	tk 28006-04Z	tk 28007-04Z	tk 28009-04Z
5 mm	tk 28006-05Z	tk 28007-05Z	tk 28009-05Z
6 mm	tk 28006-06Z	tk 28007-06Z	tk 28009-06Z
1 mm	tk 28011-01Z	tk 28013-01Z	tk 28015-01Z
2 mm	tk 28011-02Z	tk 28013-02Z	tk 28015-02Z
3 mm	tk 28011-03Z	tk 28013-03Z	tk 28015-03Z
4 mm	tk 28011-04Z	tk 28013-04Z	tk 28015-04Z
5 mm	tk 28011-05Z	tk 28013-05Z	tk 28015-05Z
6 mm	tk 28011-06Z	tk 28013-06Z	tk 28015-06Z
1 mm	tk 28090-01Z	tk 28091-01Z	tk 28095-01Z
2 mm	tk 28090-02Z	tk 28091-02Z	tk 28095-02Z
3 mm	tk 28090-03Z	tk 28091-03Z	tk 28095-03Z
4 mm	tk 28090-04Z	tk 28091-04Z	tk 28095-04Z
5 mm	tk 28090-05Z	tk 28091-05Z	tk 28095-05Z
6 mm	tk 28090-06Z	tk 28091-06Z	tk 28095-06Z

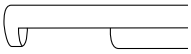
Dünne Fußplatte
Thin footplate
Plaque de coupe étroite
Lámina de punzonar estrecha
Battente sottile

Laminektomiestanzen
Laminectomy punches

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

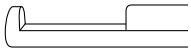


1 mm	2 mm	3 mm	4 mm	5 mm	6 mm

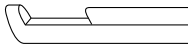


Ferris- Smith-Kerrison

	x = 150mm – 6"	x = 180 mm – 7"	x = 200 mm – 8"	x = 230 mm – 9"
1 mm	**tk 28001-01A**	**tk 28002-01A**	**tk 28003-01A**	**tk 28008-01A**
2 mm	**tk 28001-02A**	**tk 28002-02A**	**tk 28003-02A**	**tk 28008-02A**
3 mm	**tk 28001-03A**	**tk 28002-03A**	**tk 28003-03A**	**tk 28008-03A**
4 mm	**tk 28001-04A**	**tk 28002-04A**	**tk 28003-04A**	**tk 28008-04A**
5 mm	**tk 28001-05A**	**tk 28002-05A**	**tk 28003-05A**	**tk 28008-05A**
6 mm	**tk 28001-06A**	**tk 28002-06A**	**tk 28003-06A**	**tk 28008-06A**



1 mm	**tk 28005-01A**	**tk 28006-01A**	**tk 28007-01A**	**tk 28009-01A**
2 mm	**tk 28005-02A**	**tk 28006-02A**	**tk 28007-02A**	**tk 28009-02A**
3 mm	**tk 28005-03A**	**tk 28006-03A**	**tk 28007-03A**	**tk 28009-03A**
4 mm	**tk 28005-04A**	**tk 28006-04A**	**tk 28007-04A**	**tk 28009-04A**
5 mm	**tk 28005-05A**	**tk 28006-05A**	**tk 28007-05A**	**tk 28009-05A**
6 mm	**tk 28005-06A**	**tk 28006-06A**	**tk 28007-06A**	**tk 28009-06A**

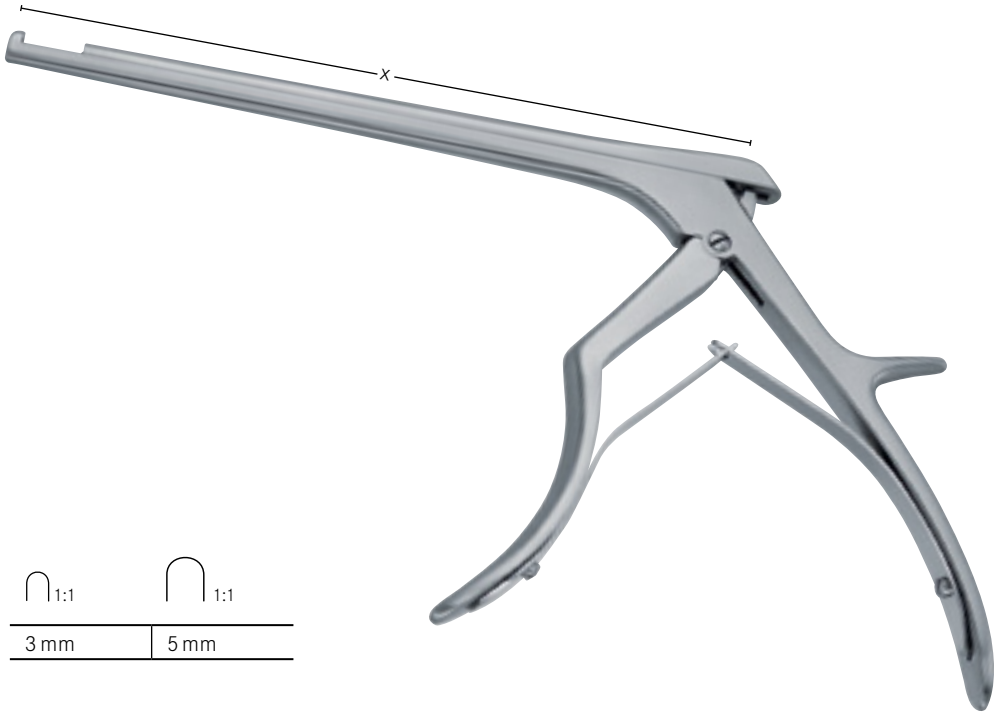


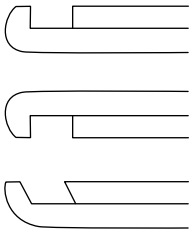
1 mm	**tk 28010-01A**	**tk 28011-01A**	**tk 28013-01A**	**tk 28015-01A**
2 mm	**tk 28010-02A**	**tk 28011-02A**	**tk 28013-02A**	**tk 28015-02A**
3 mm	**tk 28010-03A**	**tk 28011-03A**	**tk 28013-03A**	**tk 28015-03A**
4 mm	**tk 28010-04A**	**tk 28011-04A**	**tk 28013-04A**	**tk 28015-04A**
5 mm	**tk 28010-05A**	**tk 28011-05A**	**tk 28013-05A**	**tk 28015-05A**
6 mm	**tk 28010-06A**	**tk 28011-06A**	**tk 28013-06A**	**tk 28015-06A**

mit Auswerfer
with ejector
con expulsor
avec éjecteur
con espulsore

Auf Anfrage auch zerlegbar lieferbar.
On request also detachable available.
A pefición también disponible desmontable.
Sue demande aussi disponible détachable.
A richiesta si fornisce anche smontabile.

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





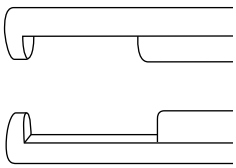
Colclough

	x = 150 mm – 6"	x = 200 mm – 8"
3 mm	**tk 28016-03**	**tk 28017-03**
5 mm	**tk 28016-05**	**tk 28017-05**
3 mm	**tk 28018-03**	**tk 28019-03**
5 mm	**tk 28018-05**	**tk 28019-05**
3 mm	**tk 28022-03**	**tk 28023-03**
5 mm	**tk 28022-05**	**tk 28023-05**

Laminektomiestanzen
Laminectomy punches

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



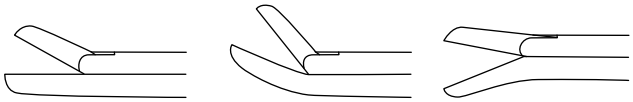


FERRIS-SMITH-KERRISON

	x = 180 mm – 7"
5 mm	**tk 28024-01**
5 mm	**tk 28024-02**

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





Cushing


1:1

	2 mm x 10 mm	2 mm x 10 mm	2 mm x 10 mm
x = 130 mm – 5"	**tk 28030-13**	**tk 28031-13**	**tk 28033-13**
x = 150 mm – 6"	**tk 28030-15**	**tk 28031-15**	**tk 28033-15**
x = 180 mm – 7"	**tk 28030-18**	**tk 28031-18**	**tk 28033-18**
x = 220 mm – 8¾"	**tk 28030-22**	**tk 28031-22**	**tk 28033-22**

Love-Gruenwald


1:1

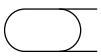
	3 mmx10 mm	3 mmx10 mm	3 mmx10 mm
x = 130 mm – 5"	**tk 28034-13**	**tk 28035-13**	**tk 28037-13**
x = 150 mm – 6"	**tk 28034-15**	**tk 28035-15**	**tk 28037-15**
x = 180 mm – 7"	**tk 28034-18**	**tk 28035-18**	**tk 28037-18**
x = 220 mm – 8¾"	**tk 28034-22**	**tk 28035-22**	**tk 28037-22**

Spurling


1:1

	4 mm x 10 mm	4 mm x 10 mm	4 mm x 10 mm
x = 130 mm – 5"	**tk 28038-13**	**tk 28039-13**	**tk 28041-13**
x = 150 mm – 7"	**tk 28038-15**	**tk 28039-15**	**tk 28041-15**
x = 180 mm – 7"	**tk 28038-18**	**tk 28039-18**	**tk 28041-18**
x = 220 mm – 8¾"	**tk 28038-22**	**tk 28039-22**	**tk 28041-22**

Cloward

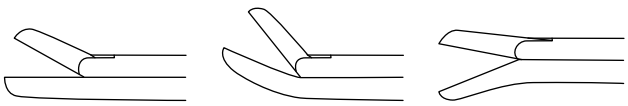

1:1

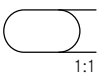
	6 mm x 10 mm		
x = 180 mm – 7"	**tk 28042-18**		

Laminektomiezangen
Laminectomy rongeurs

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



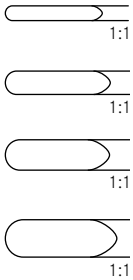


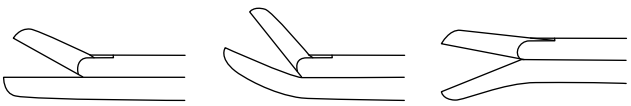
	FERRIS-SMITH		
	x = 180 mm – 7"	x = 180 mm – 7"	x = 180 mm – 7"
 1:1 2 mm x 10 mm	**tk 28050-02**	**tk 28051-02**	**tk 28053-02**
 1:1 3 mm x 10 mm	**tk 28050-03**	**tk 28051-03**	**tk 28053-03**
 1:1 4 mm x 10 mm	**tk 28050-04**	**tk 28051-04**	**tk 28053-04**
 1:1 6 mm x 10 mm	**tk 28050-06**		

Andere Längen und Ausführungen sind auf Anfrage lieferbar.
Other lengths and executions are available upon request.
Autres longueurs et éxecutions sont disponibles sur demande.
Otras longitudes y execuciónes son disponibles segun demanda.
Altre lunghezze e modelli fornibili a richiesta.

Laminektomiezangen
Laminectomy rongeurs
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	**tk 28025-02**	**tk 28026-02**	**tk 28027-02**
3 mm	**tk 28025-03**	**tk 28026-03**	**tk 28027-03**
4 mm	**tk 28025-04**	**tk 28026-04**	**tk 28027-04**
5 mm	**tk 28025-05**		

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



1:2

1:1 1:1

OLDENBERG

x = 180 mm – 7"	3.5 mm Ø	6.0 mm Ø
170 mm – 6¾"	**tk 28075-25**	**tk 28074-25**



1:2

SCHLESINGER

	3 mm x 10 mm
	x = 125 mm – 5"
190 mm – 7½"	**tk 28070-19**

gezahnt
saw edge
dentelé
dentada
dentata

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



Maul gefenstert und gezahnt
Jaw fenestrated and serrated
Mors fenétré et dentelé
Boca con orificio y dentada
Morso finestrato e dentellato



CASPAR

	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
2 mm x 12 mm	**tk 28080-02**	**tk 28081-02**	**tk 28082-02**
3 mm x 12 mm	**tk 28080-03**	**tk 28081-03**	**tk 28082-03**
4 mm x 14 mm	**tk 28080-04**	**tk 28081-04**	**tk 28082-04**
5 mm x 14 mm		**tk 28081-05**	**tk 28082-05**
6 mm x 16 mm		**tk 28081-06**	**tk 28082-06**



	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
3 mm x 12 mm	**tk 28083-03**	**tk 28084-03**	**tk 28085-03**
4 mm x 14 mm	**tk 28083-04**	**tk 28084-04**	**tk 28085-04**
5 mm x 14 mm		**tk 28084-05**	**tk 28085-05**



	x = 140 mm – 5½"	x = 160 mm – 6¼"	x = 185 mm – 7¼"
3 mm x 12 mm	**tk 28086-03**	**tk 28087-03**	**tk 28088-03**
4 mm x 14 mm	**tk 28086-04**	**tk 28087-04**	**tk 28088-04**

Laminektomiezangen
Laminectomy rongeurs

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







WEIL-BLAKESLEY

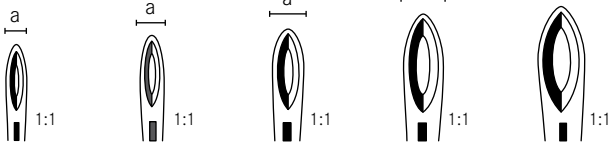


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5
	a = 3.0 mm	a = 3.5 mm	a = 4.5 mm	a = 5.0 mm	a = 5.5 mm
x = 120 mm – 4¾"	**tk 51155-01**	**tk 51155-02**	**tk 51155-03**	**tk 51155-04**	**tk 51155-05**
x = 120 mm – 4¾"	**tk 51158-01**	**tk 51158-02**	**tk 51158-03**	**tk 51158-04**	
x = 120 mm – 4¾"	**tk 51159-01**	**tk 51159-02**	**tk 51159-03**		

	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"	**tk 51160-01**	**tk 51160-02**	**tk 51160-03**	**tk 51160-04**	**tk 51160-05**
x = 180 mm – 7"	**tk 51161-01**	**tk 51161-02**	**tk 51161-03**	**tk 51161-04**	