

Naht  
Suture  
Suture  
Sutura

23

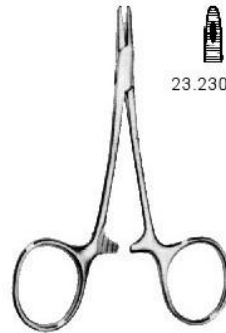


Nadel halter  
Needle holders  
Porte-aiguilles  
Porta-agujas



**Collier**

23.2301 12,5 cm/5"

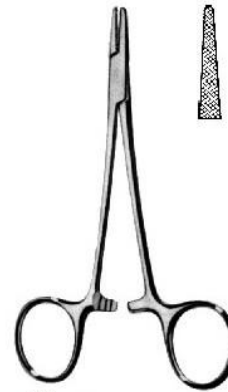


**Derf**

12,5 cm/5"

23.2305

23.2306



**Halsey**

23.2310 13,0 cm/5"

gerieft  
serrated  
striée  
estriada



23.2311  
glatt  
smooth  
lisse  
lisa



**Webster**

23.2312 13,0 cm/5"

glatt  
smooth  
lisse  
lisa



**Crile-Wood**

23.2314 15,0 cm/6"

mit Rille  
with groove  
avec cannelure  
con ranura



**Crile-Wood**

23.2315  
ohne Rille  
without groove  
sans cannelure  
sin ranura



**Brown**

23.2318 13,0 cm/5"

23.2319 18,0 cm/7"

Nadel halter  
Needle holders  
Porte-aiguilles  
Porta-agujas



**Sarot**

23.2322 18,0 cm/7¼"  
23.2324 26,0 cm/10¼"



**M.G.H.**

23.2329 17,0 cm/6¾"

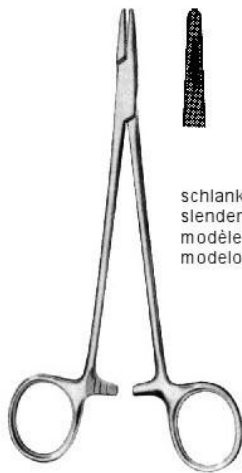


**Mayo-Hegar**

23.2330	14,0 cm/5½"	23.2341
23.2331	16,0 cm/6¼"	23.2342
23.2332	18,0 cm/7¼"	23.2343
23.2333	20,0 cm/8"	23.2344
23.2334	24,0 cm/9½"	23.2345
23.2335	26,0 cm/10¼"	



23



**Mayo-Hegar**

23.2351 16,0 cm/6¼"  
23.2352 18,0 cm/7"  
23.2353 20,0 cm/8"

schlankes Modell  
slender pattern  
modèle gracile  
modelo delgado



**Gillies**

23.2354 16,0 cm/6¼"



**Hegar-Baumgartner**

23.2355 14,0 cm/5½"



Nadel halter  
Needle holders  
Porte-aiguilles  
Porta-agujas



für sehr feine Nadeln  
for fine needles  
pour des aiguilles très fines  
para agujas finas

**Baby-Olsen-Hegar**  
11,5 cm/4½"

23.2356-01	23.2356-02
gerieft	glatt
serrated	smooth
striée	lisse
estriada	lisa



**Olsen-Hegar**  
23.2357 14,0 cm/5½"



**Olsen-Hegar**  
23.2358 16,0 cm/6¼"

23

kräftige Ausführung  
heavy pattern  
modèle robuste  
de fuerte construcción



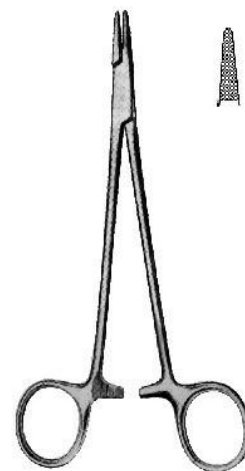
**Olsen-Hegar**  
23.2257N 14,0 cm/5½"



**Olsen-Hegar**  
23.2258N 17,0 cm/6¼"

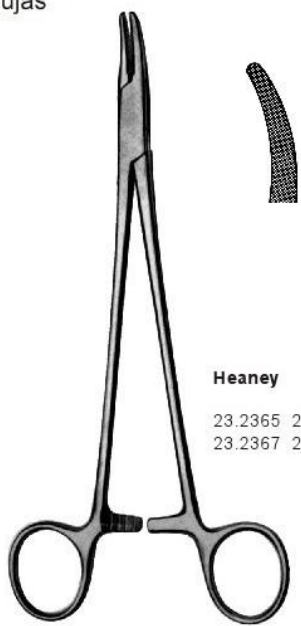


**Olsen-Hegar**  
23.2359 18,0 cm/7"



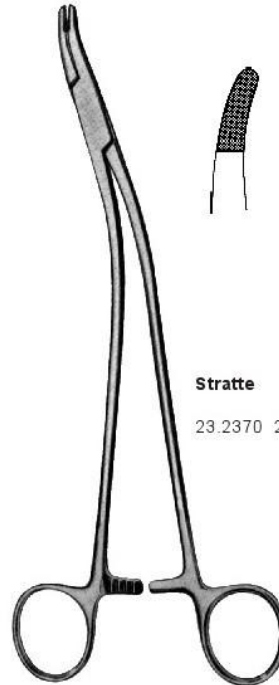
**Crile-Wood**  
23.2360 15,0 cm/6"  
23.2361 18,0 cm/7"  
23.2362 20,0 cm/8"  
23.2363 23,0 cm/9"

Nadel halter  
Needle holders  
Porte-aiguilles  
Porta-agujas



**Heaney**

23.2365 21,0 cm/8¼"  
23.2367 26,0 cm/10¼"



**Stratte**

23.2370 23,0 cm/9"

23



**Wangensteen**

27,0 cm/10½"



**Masson**

23.2375  
27,0 cm/10½"



**Finochietto**

23.2377  
27,0 cm/10½"

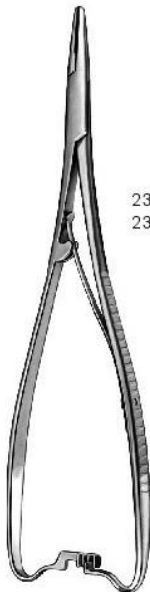
Nadel halter  
Needle holders  
Porte-aiguilles  
Porta-agujas





**Crile**  
23.2382 15,0 cm/6"



**Adson**  
23.2384 18,0 cm/7"





**Mathieu**

- |   |             |   |
|---|-------------|---|
|  |             |  |
| 23.2385   | 17,0 cm/6½" | 23.2390   |
| 23.2386   | 20,0 cm/8"  | 23.2391   |



**Mathieu**

- |   |             |   |
|---|-------------|---|
|  |             |  |
| 23.2387   | 14,0 cm/2½" | 23.2392   |
| 23.2388   | 17,0 cm/6½" | 23.2393   |
| 23.2389   | 20,0 cm/8"  | 23.2394   |

- |   |
|---|
|  |
| 23.2397 14,0 cm/5½"   |
| 23.2398 17,0 cm/6¼"   |
| schlankes Maul  |
| slender jaw   |
| mors étroit   |
| boca fina   |

- |                        |             |
|------------------------|-------------|
| 23.2388K               | 17,0 cm/6½" |
| 23.2389K               | 20,0 cm/8"  |
| kräftige Ausführung    |             |
| heavy pattern          |             |
| modèle robuste         |             |
| de fuerte construcción |             |

Augen nadel halter  
 Eye needle holders  
 Porte-aiguilles pour les yeux  
 Porta-agujas para ojos

**mit Sperre, with ratchet  
 avec crémaillère, con cremallera**



23.2405-14 14,0 cm/5½"  
 23.2405-18 18,0 cm/7"  
 23.2405-21 21,0 cm/8¼"  
 gerade  
 straight  
 droite  
 recta



23.2406-14  
 23.2406-18  
 23.2406-21  
 gebogen  
 curved  
 courbe  
 curva



23.2419-14 14,0 cm/5½"  
 gerade  
 straight  
 droite  
 recta



23.2420-14  
 gebogen  
 curved  
 courbe  
 curva



**Castroviejo**

**ohne Sperre, without ratchet  
 sans crémaillère, sin cremallera**

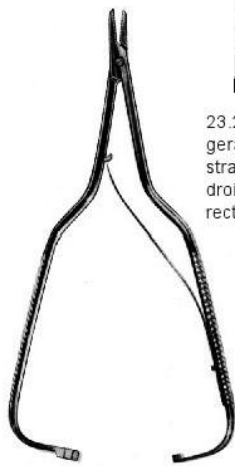


23.2407-14 14,0 cm/5½"  
 gerade  
 straight  
 droite  
 recta



23.2408-14  
 gebogen  
 curved  
 courbe  
 curva

23



**Arruga**

16,0 cm/6¼"



23.2401  
 gerade  
 straight  
 droite  
 recta



23.2402  
 gebogen  
 curved  
 courbe  
 curva



**Kalt**

23.2410 14,0 cm/5½"



**Barraquer**

23.2412 13,5 cm/5"  
 23.2417 18,0 cm/7"  
 gerade  
 straight  
 droite  
 recta



23.2413  
 23.2418  
 gebogen  
 curved  
 courbe  
 curva







Chirurgische nadeln  
Surgical needles  
Aiguilles chirurgicales  
Agujas para cirugía



Gewöhnliches Ohr  
Regular eye  
Chas régulier  
Ojo ordinario



Federöhr  
Spring eye  
Chas à ressort  
Ojo de resorte

	gerade	straight	droite	recta
	halbgebogen	half curved	½ courbée	½ curva
	¾ Kreis	¾ circle	¾ cercle	¾ círculo
	½ Kreis	½ circle	½ cercle	½ círculo



Nadeln mit dreikantiger Schneide  
Triangular point  
Pointe triangulaire  
Punta triangular



Runde Nadeln  
Round point  
Pointe ronde  
Punta redonda

23

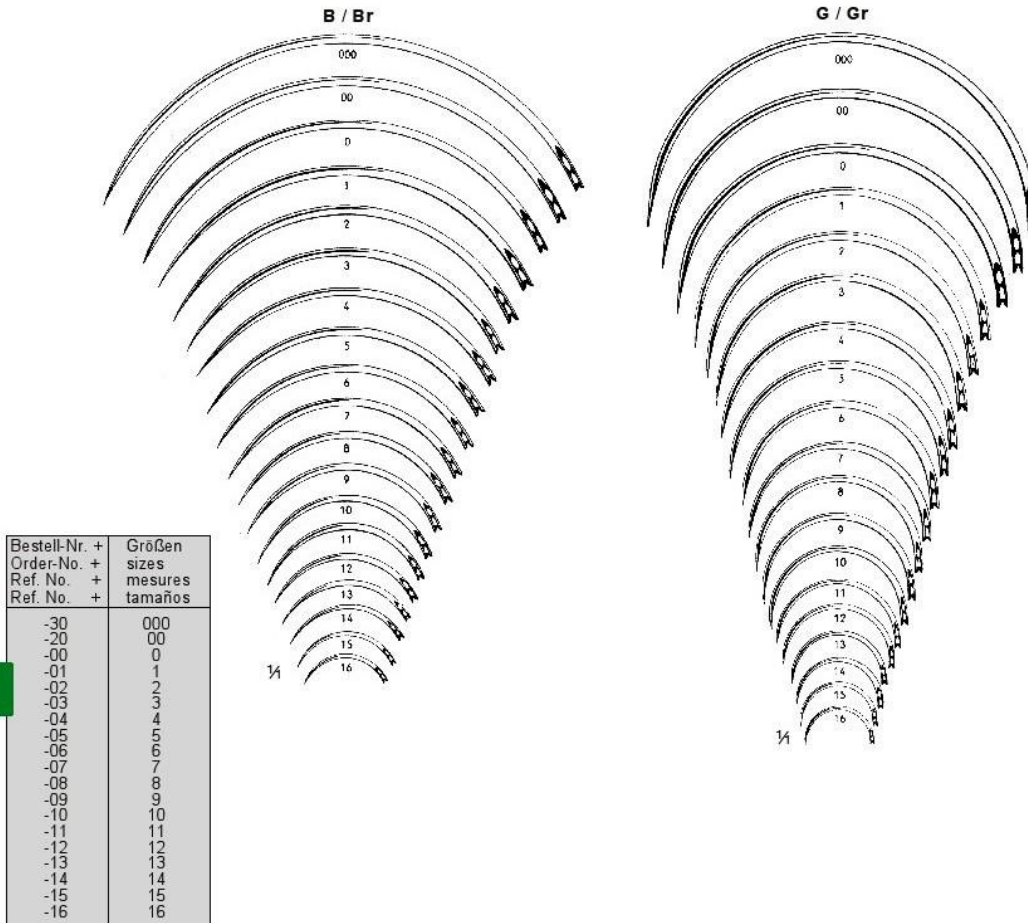
Bestell-Nr. + Order-No. + Ref. No. + Ref. No. +	Größen sizes mesures tamaños
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-00	0
-01	1
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-04	4
-05	5
-06	6
-07	7
-08	8
-09	9
-10	10
-11	11
-12	12
-13	13
-14	14
-15	15
-16	16









Verpackungsformen: Päckchen à 12 Stück  
Packaging: packets of 12 pieces  
Formes d'emballage: paquets de 12 pièces  
Formas de embalaje: paquetes de 12 unidades



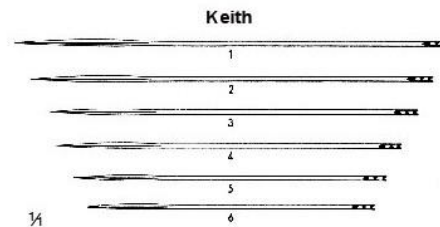
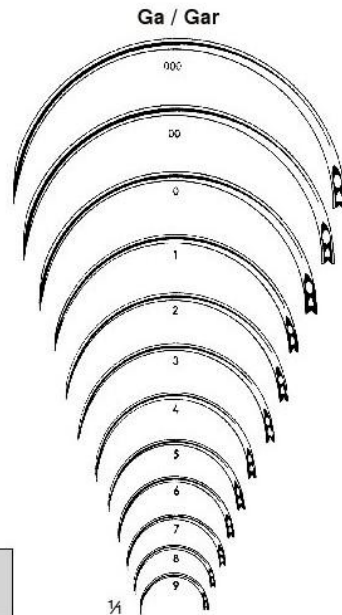
Haut-und muskel nadeln  
Muscular and skin suture  
Sutures musculaires et cutanées  
Suturas musculares y cutáneas

23











Bestell-Nr. Order-No. Ref. No. Ref. No.		Öhr Eye Chas Ojo	Größen Sizes Mesures Tamaños	Profil Profile Profil Perfil	Biegung Curvature Courbure Curvatura
23.2440-30 - 23.2440-16	B		000 - 16	▲	3/8 Kreis; 3/8 circle; 3/8 cercle; 3/8 círculo
23.2441-30 - 23.2441-16	B		000 - 16	▲	3/8 Kreis; 3/8 circle; 3/8 cercle; 3/8 círculo
23.2442-30 - 23.2442-16	Br		000 - 16	●	3/8 Kreis; 3/8 circle; 3/8 cercle; 3/8 círculo
23.2443-30 - 23.2443-16	Br		000 - 16	●	3/8 Kreis; 3/8 circle; 3/8 cercle; 3/8 círculo
23.2446-30 - 23.2446-16	G		000 - 16	▲	1/2 Kreis; 1/2 circle; 1/2 cercle; 1/2 círculo
23.2447-30 - 23.2447-16	G		000 - 16	▲	1/2 Kreis; 1/2 circle; 1/2 cercle; 1/2 círculo
23.2448-30 - 23.2448-16	Gr		000 - 16	●	1/2 Kreis; 1/2 circle; 1/2 cercle; 1/2 círculo
23.2449-30 - 23.2449-16	Gr		000 - 16	●	1/2 Kreis; 1/2 circle; 1/2 cercle; 1/2 círculo

Haut-und muskel nadeln  
Muscular and skin suture  
Sutures musculaires et cutanées  
Suturas musculares y cutáneas

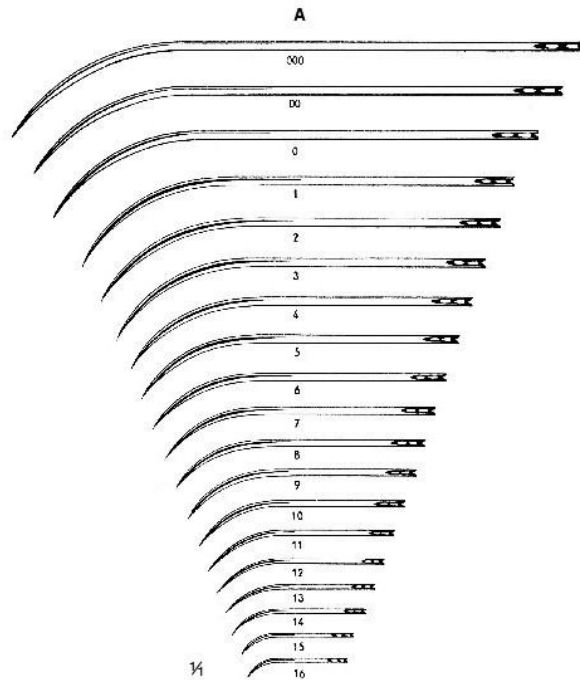
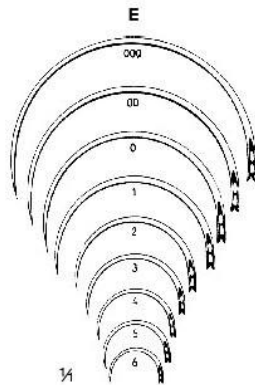


Bestell-Nr. Order-No. Ref. No. Ref. No.	+ + + +	Größen sizes mesures tamaños
-30	+	000
-20	+	00
-00	+	0
-01	+	1
-02	+	2
-03	+	3
-04	+	4
-05	+	5
-06	+	6
-07	+	7
-08	+	8
-09	+	9
-10	+	10
-11	+	11
-12	+	12
-13	+	13
-14	+	14
-15	+	15
-16	+	16

23



Bestell-Nr. Order-No. Ref. No. Ref. No.		Öhr Eye Chas Ojo	Größen Sizes Mesures Tamaños	Profil Profile Profil Perfil	Biegung Curvature Courbure Curvatura
23.2451-30 - 23.2451-09	Ga		000 - 9	▲	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2452-30 - 23.2452-09	Ga		000 - 9	▲	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2453-30 - 23.2453-09	Gar		000 - 9	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2454-30 - 23.2454-09	Gar		000 - 9	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2457-01 - 23.2457-06	Keith		1 - 6	▲	gerade, straight, droite, recta
23.2458-01 - 23.2458-06	Keith		1 - 6	▲	gerade, straight, droite, recta
23.2459-01 - 23.2459-06	Keith		1 - 6	●	gerade, straight, droite, recta
23.2460-01 - 23.2460-06	Keith		1 - 6	●	gerade, straight, droite, recta



Haut-und muskel nadeln  
Muscular and skin suture  
Sutures musculaires et cutanées  
Suturas musculares y cutáneas



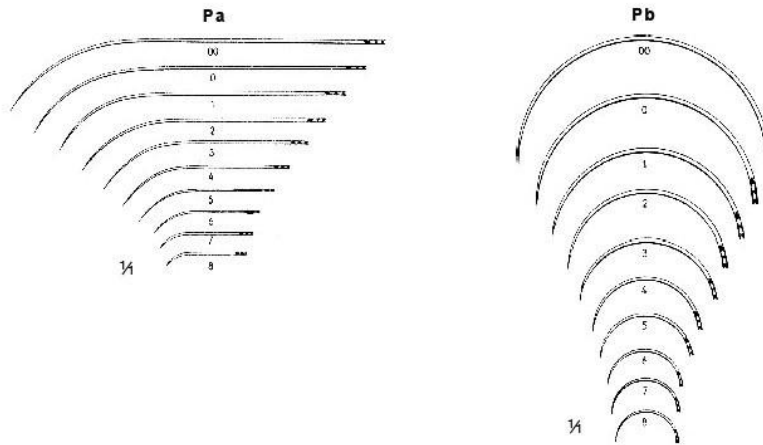
23

Bestell-Nr. + Order-No. + Ref. No. +	Größen sizes mesures tamaños
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-01	1
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-06	6
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-16	16

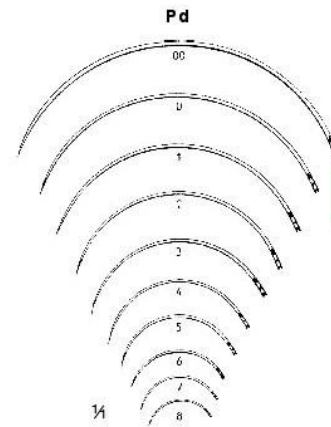
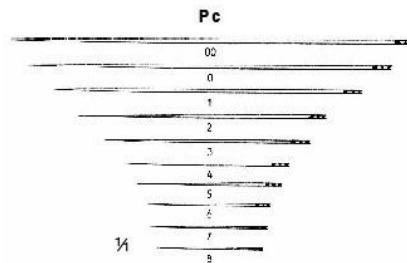
Bestell-Nr. Order-No. Ref. No.		Öhr Eye Chas Ojo	Größen Sizes Mesures Tamaños	Profil Profile Profil Perfil	Biegung Curvature Courbure Curvatura
23.2463-30 - 23.2463-06	E		000 - 6	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2464-30 - 23.2464-06	E		000 - 6	●	½ Kreis; ½ circle; ½ cercle; ½ círculo

23.2466-30 - 23.2466-16	A		000 - 16	▲	halb-gebogen, half-curved, ½ courbée, ½ curva
23.2467-30 - 23.2467-16	A		000 - 16	▲	halb-gebogen, half-curved, ½ courbée, ½ curva

Darmnadeln  
 Intestinales needles  
 Aiguilles intestinales  
 Agujas intestinales



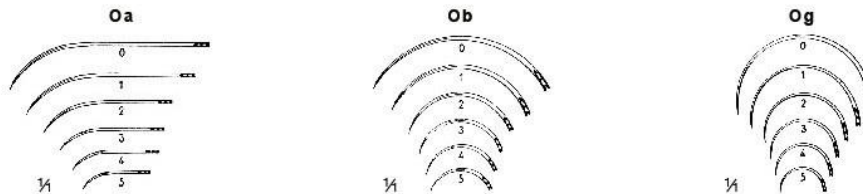
Bestell-Nr. + Order-No. + Ref. No. + Ref. No. +	Größen sizes mesures tamaños
-30	000
-20	00
-00	0
-01	1
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-05	5
-06	6
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-16	16



23

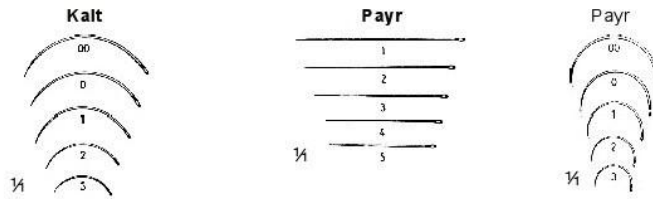
Bestell-Nr. Order-No. Ref. No. Ref. No.		Öhr Eye Chas Ojo	Größen Sizes Mesures Tamaños	Profil Profile Profil Perfil	Biegung Curvature Courbure Curvatura
23.2470-20 - 23.2470-08	Pa		00 - 8	●	halb-gebogen, half-curved, ½ courbée, ½ curva
23.2471-20 - 23.2471-08	Pa		00 - 8	●	halb-gebogen, half-curved, ½ courbée, ½ curva
23.2472-20 - 23.2472-08	Pb		00 - 8	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2473-20 - 23.2473-08	Pb		00 - 8	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2474-20 - 23.2474-08	Pc		00 - 8	●	gerade, straight, droite, recta
23.2475-20 - 23.2475-08	Pc		00 - 8	●	gerade, straight, droite, recta
23.2476-20 - 23.2476-08	Pd		00 - 8	●	¾ Kreis; ¾ circle; ¾ cercle; ¾ círculo
23.2477-20 - 23.2477-08	Pd		00 - 8	●	¾ Kreis; ¾ circle; ¾ cercle; ¾ círculo

Gefäß-und augen nadeln  
 Vein and eye needles  
 Aiguilles veineuses et ophtalmiques  
 Aguja para venas y oftalmológicas



23

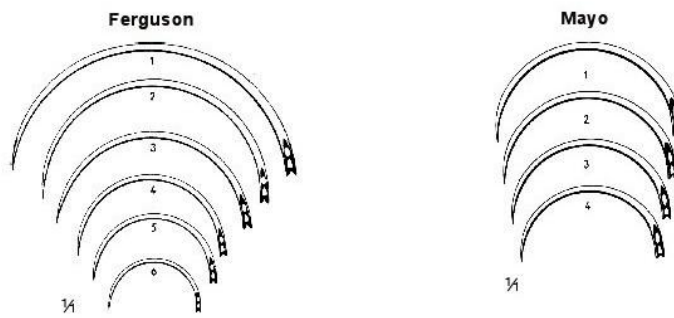
Bestell-Nr. + Order-No. + Ref. No. + Ref. No. +	Größen sizes mesures tamaños
-30	000
-20	00
-00	0
-01	1
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-03	3
-04	4
-05	5
-06	6
-07	7
-08	8
-09	9
-10	10
-11	11
-12	12
-13	13
-14	14
-15	15
-16	16



Bestell-Nr. Order-No. Ref. No. Ref. No.		Öhr Eye Chas Ojo	Größen Sizes Mesures Tamaños	Profil Profile Profil Perfil	Biegung Curvature Courbure Curvatura
23.2480-00 - 23.2480-05	Oa		0 - 5	▲	halb-gebogen, half-curved, ½ courbée, ½ curva
23.2481-00 - 23.2481-05	Oa		0 - 5	▲	halb-gebogen, half-curved, ½ courbée, ½ curva
23.2482-00 - 23.2482-05	Ob		0 - 5	▲	¾ Kreis; ¾ circle; ¾ cercle; ¾ círculo
23.2483-00 - 23.2483-05	Ob		0 - 5	▲	¾ Kreis; ¾ circle; ¾ cercle; ¾ círculo
23.2484-00 - 23.2484-05	Og		0 - 5	▲	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2485-00 - 23.2485-05	Og		0 - 5	▲	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2486-20 - 23.2486-03	Kalt		00-3	●	¾ Kreis; ¾ circle; ¾ cercle; ¾ círculo
23.2487-01 - 23.2487-05	Payr		1 - 5	●	gerade, straight, droite, recta
23.2488-20 - 23.2488-03	Payr		00 - 3	●	½ Kreis; ½ circle; ½ cercle; ½ círculo







Englische und amerikanische modelle  
 English and american patterns  
 Modèles anglais et américains  
 Modelos ingleses y americanos



Bestell-Nr. + Order-No. + Ref. No. + Ref. No. +	Größen sizes mesures tamaños
-30	000
-20	00
-00	0
-01	1
-02	2
-03	3
-04	4
-05	5
-06	6
-07	7
-08	8
-09	9
-10	10
-11	11
-12	12
-13	13
-14	14
-15	15
-16	16

23

Bestell-Nr. Order-No. Ref. No. Ref. No.		Öhr Eye Chas Ojo	Größen Sizes Mesures Tamaños	Profil Profile Perfil	Biegung Curvature Courbure Curvatura
23.2490-01 - 23.2490-06	Ferguson		1 - 6	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2491-01 - 23.2491-06	Ferguson		1 - 6	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2492-01 - 23.2492-04	Mayo		1 - 4	●	½ Kreis; ½ circle; ½ cercle; ½ círculo
23.2493-01 - 23.2493-04	Mayo		1 - 4	●	½ Kreis; ½ circle; ½ cercle; ½ círculo

Wundklammer-pinzetten  
 Clip applying forceps  
 Pincas pour agrafes  
 Pinzas para agrafes



**Michel (1x2)**  
 23.2500 12,0 cm/4¾"



**Michel**  
 23.2505 12,0 cm/4¾"



**Hegenbarth**  
 23.2508 12,5 cm/5"



**Wachenfeldt**  
 23.2509 12,5 cm/5"

23



**Michel**  
 23.2511 12,0 cm/4¾"

Wundklammer-Zangen  
 Clip Applying Forceps  
 Pincas pour agrafes  
 Pinzas para agrafes



**Collin**  
 23.2515 13,0 cm/5¼"

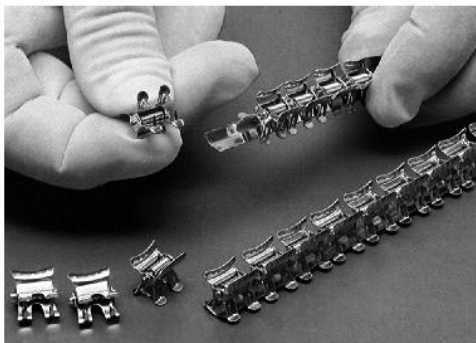


Taschenbestecke    Wundklammern  
 Pocket cases        Suture clips  
 Trousses à poche    Agrafes  
 Estuches de bolsillo   Agrafes



**Standard**  
 23.2518 165 x 90 x 28 mm

23



**Wundsparklammern**  
 23.2516

Mindestabnahme: 50 Stück  
 Minimum quantity: 50 each  
 Quantité minimum: 50 pièces  
 Cantidad mínimo: 50 piezas



1 Pack = 100 Stück  
 1 Package = 100 each  
 1 Paquet = 100 pièces  
 1 Paquete = 100 piezas

**Michel**

23.2519-01	7,5 x 1,75 mm
23.2519-02	11 x 2 mm
23.2519-03	12 x 3 mm
23.2519-04	14 x 3 mm
23.2519-05	16 x 3 mm
23.2519-06	18 x 3 mm
23.2519-07	20 x 3 mm
23.2519-08	22 x 3 mm

Mindestabnahme: 10 Pack  
 Minimum quantity: 10 packages  
 Quantité minimum: 10 paquets  
 Cantidad mínimo: 10 paquetes

Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

curva a la izquierda,  
para la mano  
derecha

rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

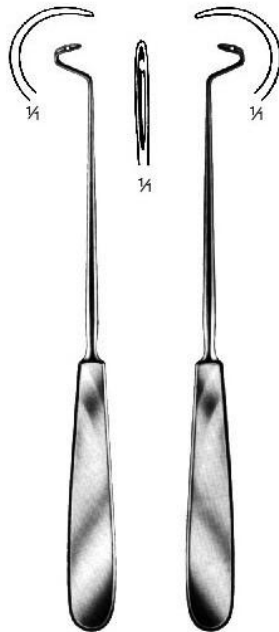
curva a la izquierda,  
para la mano  
derecha

rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

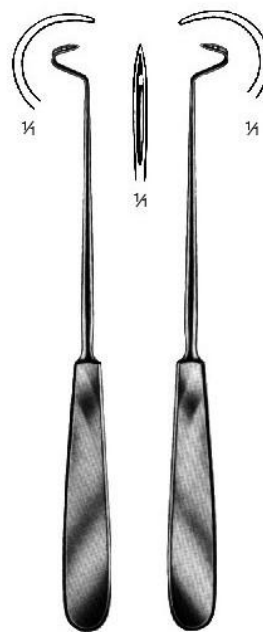


**Deschamps**

23.2530-20  
20,0 cm/8"  
stumpf  
blunt  
mousse  
roma

**Deschamps**

23.2531-20  
20,0 cm/8"  
stumpf  
blunt  
mousse  
roma



**Deschamps**

23.2532-20  
20,0 cm/8"  
scharf  
sharp  
pointue  
aguda

**Deschamps**

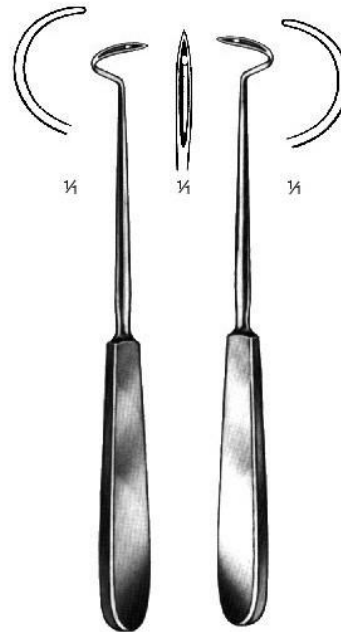
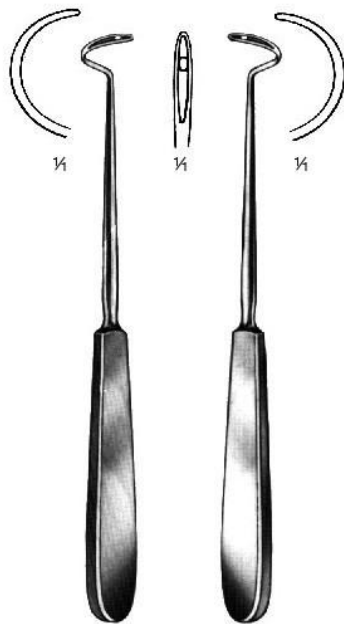
23.2533-20  
20,0 cm/8"  
scharf  
sharp  
pointue  
aguda

23

Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras

links gebogen für die rechte Hand	rechts gebogen für die linke Hand
curved to the left, for the right hand	curved to the right, for the left hand
courbe à gauche pour la main droite	courbe à droite pour la main gauche
curva a la izquierda, para la mano derecha	curva a la derecha, para la mano izquierda

links gebogen für die rechte Hand	rechts gebogen für die linke Hand
curved to the left, for the right hand	curved to the right, for the left hand
courbe à gauche pour la main droite	courbe à droite pour la main gauche
curva a la izquierda, para la mano derecha	curva a la derecha, para la mano izquierda

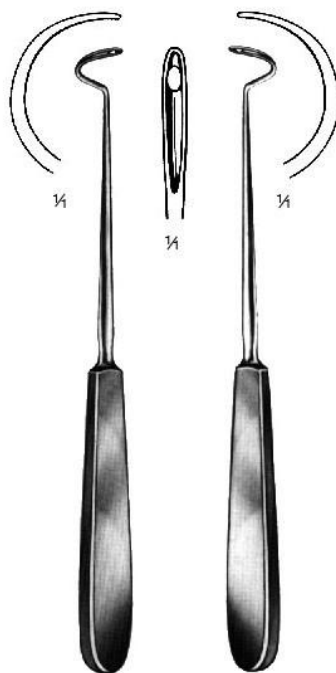


<b>Deschamps</b>	<b>Deschamps</b>
23.2534-20 20,0 cm/8" stumpf blunt mousse roma	23.2535-20 20,0 cm/8" stumpf blunt mousse roma

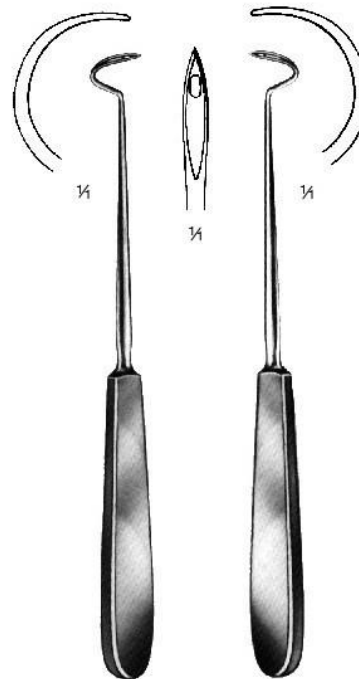
<b>Deschamps</b>	<b>Deschamps</b>
23.2536-20 20,0 cm/8" scharf sharp pointue aguda	23.2537-20 20,0 cm/8" scharf sharp pointue aguda

Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras

links gebogen für die rechte Hand	rechts gebogen für die linke Hand	links gebogen für die rechte Hand	rechts gebogen für die linke Hand
curved to the left, for the right hand	curved to the right, for the left hand	curved to the left, for the right hand	curved to the right, for the left hand
courbe à gauche pour la main droite	courbe à droite pour la main gauche	courbe à gauche pour la main droite	courbe à droite pour la main gauche
curva a la izquierda, para la mano derecha	curva a la derecha, para la mano izquierda	curva a la izquierda, para la mano derecha	curva a la derecha, para la mano izquierda



<b>Deschamps</b>	<b>Deschamps</b>
23.2538-21 21,0 cm/8¼" stumpf blunt mousse roma	23.2539-21 21,0 cm/8¼" stumpf blunt mousse roma



<b>Deschamps</b>	<b>Deschamps</b>
23.2540-21 21,0 cm/8¼" scharf sharp pointue aguda	23.2541-21 21,0 cm/8¼" scharf sharp pointue aguda

23

Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

curva a la izquierda,  
para la mano  
derecha

rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

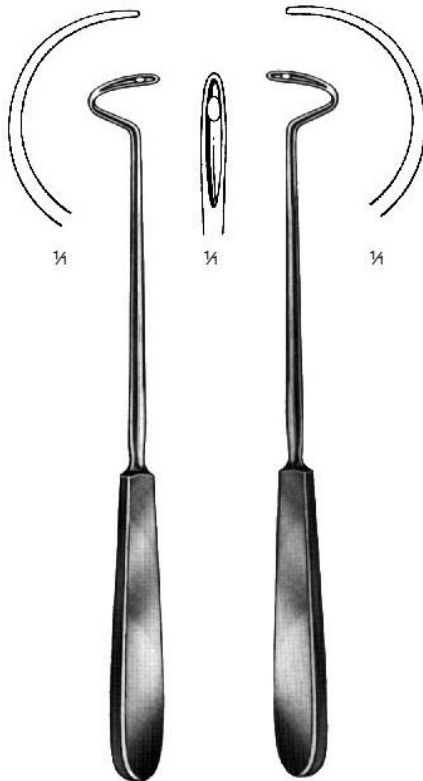
curva a la izquierda,  
para la mano  
derecha

rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

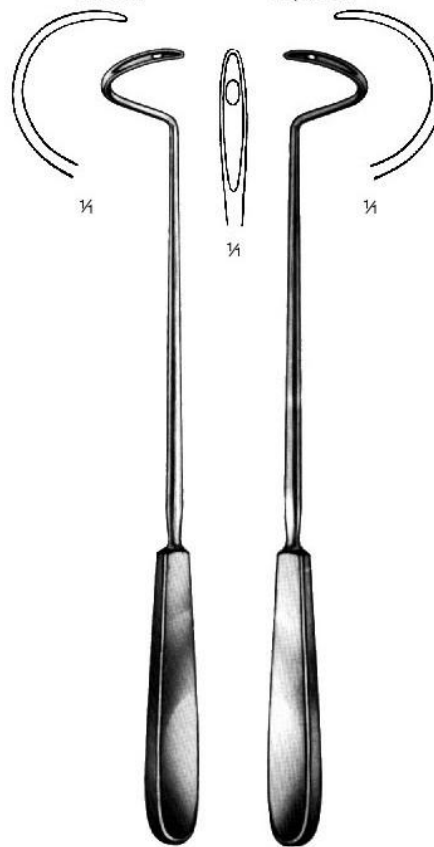


**Deschamps**

23.2542-24  
24,0 cm/9½"  
stumpf  
blunt  
mousse  
roma

**Deschamps**

23.2543-24  
24,0 cm/9½"  
stumpf  
blunt  
mousse  
roma



**Deschamps**

23.2544-27  
27,0 cm/10½"  
stumpf  
blunt  
mousse  
roma

**Deschamps**

23.2545-27  
27,0 cm/10½"  
stumpf  
blunt  
mousse  
roma

Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

curva a la izquierda,  
para la mano  
derecha

rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

curva a la izquierda,  
para la mano  
derecha

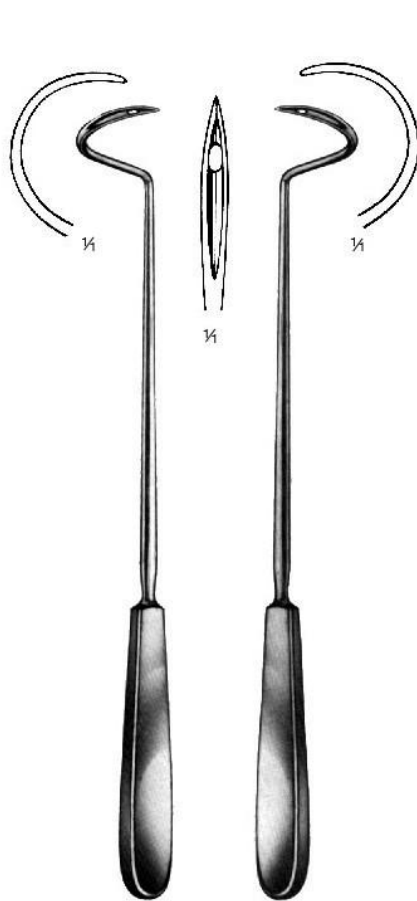
rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

23

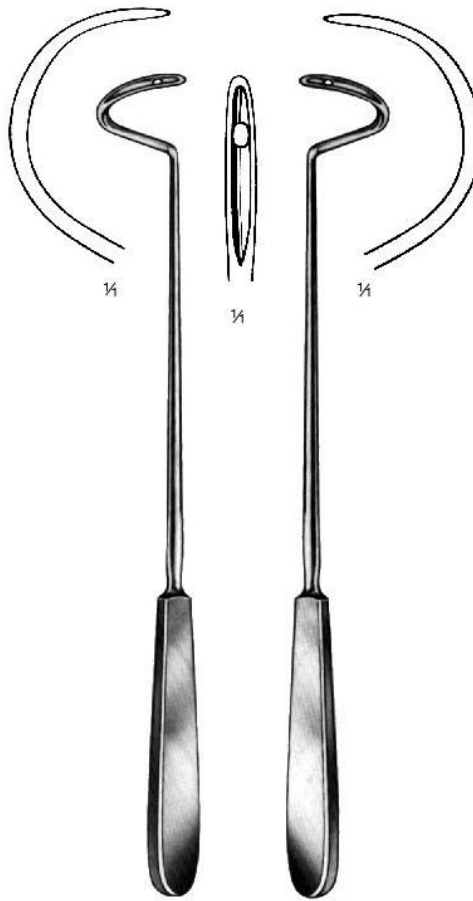


**Deschamps**

**Deschamps**

23.2546-27  
27,0 cm/10½"  
scharf  
sharp  
pointue  
aguda

23.2547-27  
27,0 cm/10½"  
scharf  
sharp  
pointue  
aguda



**Deschamps**

**Deschamps**

23.2548-28  
28,0 cm/11"  
stumpf  
blunt  
mousse  
roma

23.2549-28  
28,0 cm/11"  
stumpf  
blunt  
mousse  
roma



Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras

links gebogen  
für die rechte  
Hand

curved to the left,  
for the right  
hand

courbe à gauche  
pour la main  
droite

curva a la izquierda,  
para la mano  
derecha

rechts gebogen  
für die linke  
Hand

curved to the right,  
for the left  
hand

courbe à droite  
pour la main  
gauche

curva a la derecha,  
para la mano  
izquierda

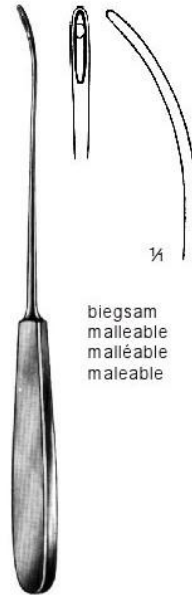


**Kronecker**

23.2550-01  
13,0 cm/5"

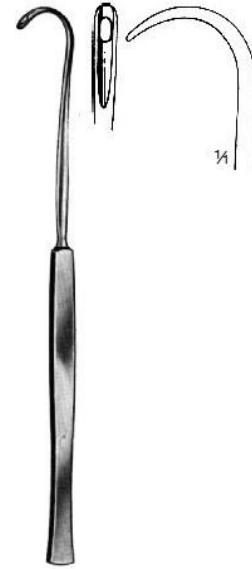
**Kronecker**

23.2550-02  
13,0 cm/5"



23.2551-01  
20,0 cm/8"

biegsam  
malleable  
malléable  
maleable



**Cooper**

23.2551-02  
19,0 cm/7½"



**Schmieden-Dick**

23.2552-32  
32,0 cm/12½"

biegsam  
malleable  
malléable  
maleable



**Schmieden**

23.2553-21  
21,0 cm/8¼"



Unterbindungs nadeln  
 Ligature needles  
 Aiguilles à ligatures  
 Agujas para ligaduras



**23**  
**Hessberg**  
 23.2554-15  
 15,0 cm/6"



**Woodruff**  
 13,0 cm/5"  
 23.2555-01 rechts right à droite derecha  
 23.2555-02 links left à gauche izquierda

links gebogen für die rechte Hand  
 rechts gebogen für die linke Hand  
 curved to the left, for the right hand  
 curved to the right, for the left hand  
 courbe à gauche pour la main droite  
 courbe à droite pour la main gauche  
 curva a la izquierda, para la mano derecha  
 curva a la derecha, para la mano izquierda



**De la Roza**  
 12,0 cm/4¾"



23.2556-01  
 23.2556-01



23.2556-02  
 23.2556-02



**Narath**  
 23.2557-22  
 22,0 cm/9"

Unterbindungs nadeln  
Ligature needles  
Aiguilles à ligatures  
Agujas para ligaduras



**Brunner**  
30,0 cm/12"



Fig. 1  
23.2560-01



Fig. 2  
23.2560-02



**Brunner**  
30,0 cm/12"

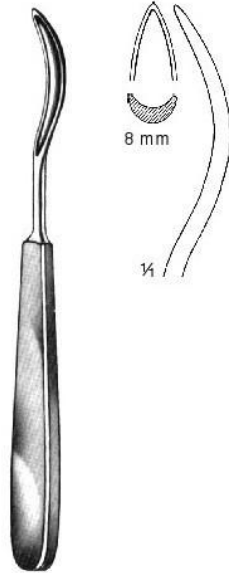


Fig. 3  
23.2560-03

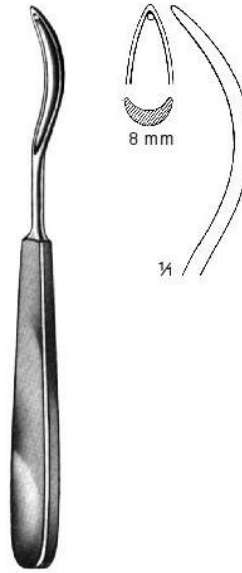


Fig. 4  
23.2560-04

Unterbindungs nadeln  
 Ligature needles  
 Aiguilles à ligatures  
 Agujas para ligaduras

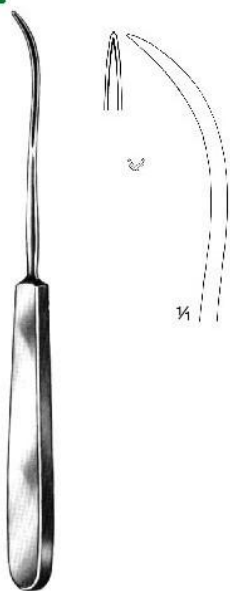


**Schmieden**  
 23.2561-01  
 19,0 cm/7½"

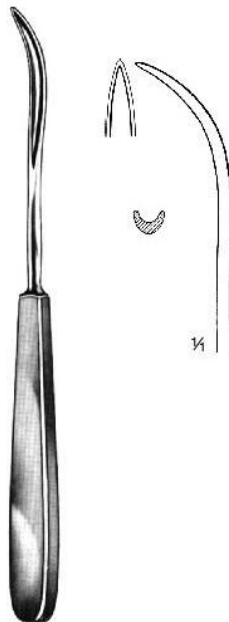


**Schmieden-Payr**  
 23.2561-02  
 19,0 cm/7½"

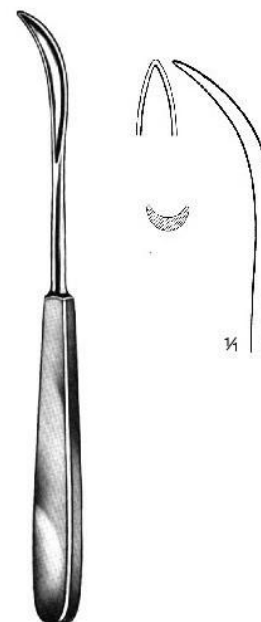
23



**König**  
 23.2562-01  
 19,5 cm/7¾"



**König**  
 23.2562-02  
 19,5 cm/7¾"



**König**  
 23.2562-03  
 20,0 cm/8"

Führungshohlsonden  
 Ligature conductors  
 Sondes conductrices  
 Sondas conductoras



**Payr**

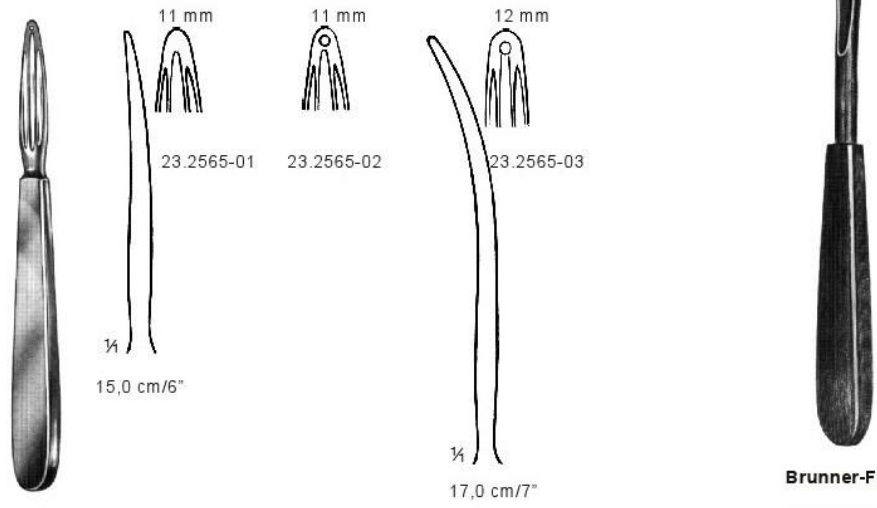
Fig. 1  
 23.2563-01  
 22,0 cm/8¾"

**Payr**

Fig. 2  
 23.2563-02  
 22,0 cm/8¾"

23.2564-25  
 19,5 cm/7¾"

23



**Kocher**

11 mm  
 11 mm  
 12 mm  
 23.2565-01  
 23.2565-02  
 23.2565-03  
 15,0 cm/6"  
 17,0 cm/7"

**Brunner-Ferozell**

23.2566-18 18,0 cm/7"  
 23.2566-27 27,0 cm/10½"

Reverdin-nadeln  
Reverdin-needles  
Aiguilles de reverdin  
Agujas de reverdin



**Reverdin**  
14,0 cm/5½"



Fig. 1  
23.2570-01



Fig. 2  
23.2570-02



Fig. 3  
23.2570-03



Fig. 4  
23.2570-04

23



**Reverdin**  
19,5 cm/7¾"



Fig. 1  
23.2571-01



Fig. 2  
23.2571-02



Fig. 3  
23.2571-03



Fig. 4  
23.2571-04

Reverdin-nadeln  
Reverdin-needles  
Aiguilles de reverdin  
Agujas de reverdin



**Reverdin**  
22,5 cm/8¾"



Fig. 1  
23.2572-01



Fig. 2  
23.2572-02



Fig. 3  
23.2572-03



Fig. 4  
232572-04