











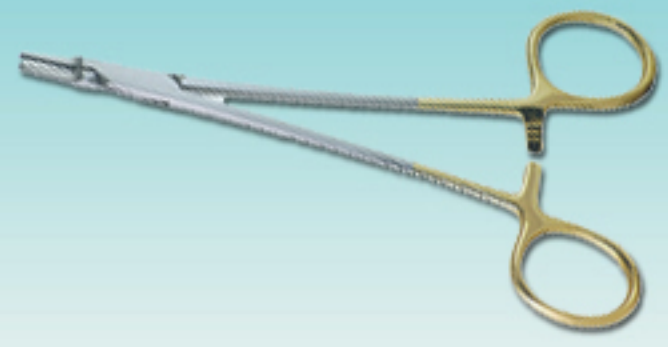


Needle Holders

		TC Jaws				TC Jaws	
Fenestrated jaws	Longitudinal serration		Fenestrated jaws	Smooth jaws	Smooth jaws	Serrated jaws	
							
GN326.12 12 cm/4 ³ / ₄ "	GN320.12 13 cm/5"				GN630.13	GN633.13	
							
DERF	DERF GN632.12 12 cm/4 ³ / ₄ "	COLLIER GN332.12 12 cm/4 ³ / ₄ "	WEBSTER GN334.13 12.5 cm/5"	WEBSTER 12.5 cm/5"			

		TC Jaws			TC Jaws
Smooth jaws	Smooth jaws		Serrated jaws		
					
	GN636.13		GN637.13		
					
HALSEY GN336.13 13 cm/5"	HALSEY 13 cm/5"	HEGAR-BAUMGARTNER 13 cm/5" GN310.13 14.5 cm/5 ³ / ₄ " GN310.14	HEGAR-BAUMGARTNER 13 cm/5" GN634.13 14.5 cm/5 ³ / ₄ " GN634.14		



Needle Holders

Smooth jaws special groove

Slender pattern

TC Jaws

Diagonally serrated jaws

Heavy pattern

Fenestrated jaws throughout

One grooved and fenestrated jaw

heavy pattern

NEIVERT
GN338.13
12.5 cm/5"

CRILE-MURRAY
GN348.15
15 cm/6"

CRILE-WOOD
GN350.15
15 cm/6"

BABY-CRILE-WOOD
GN1000.04
15 cm

CRILE-WOOD

GN638.15
15 cm/6"

GN638.18
18.5 cm/7¼"

GN638.20
20.5 cm/8"

GN344.13
13 cm/5¼"

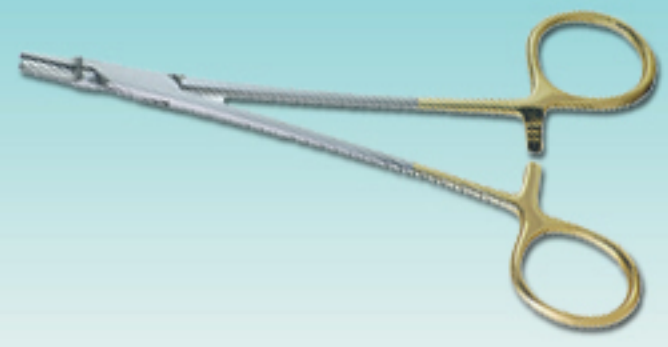
GN344.18
18 cm/7"

BROWN

ADSON
GN360.18
18.5 cm/7¼"

METZENBAUM
GN364.18
18.5 cm/7¼"
GN364.18TC

M.G. Hospital
GN384.17
18 cm/7"



Needle Holders

Slender pattern



MAYO-HEGAR
 16.0 cm/6¼" **GN396.16**
 18.5 cm/7¼" **GN396.18**
 20.5 cm/8" **GN396.20**



MAYO-HEGAR
 14.5 cm/5¾" **GN390.14**
 16.0 cm/6¼" **GN390.16**
 18.5 cm/7¼" **GN390.18**
 20.5 cm/8" **GN390.20**
 24.0 cm/9½" **GN390.24**
 26.5 cm/10½" **GN390.26**
 30.5 cm/12" **GN390.30**

TC Jaws



MAYO-HEGAR
 16.0 cm/6¼" **GN642.16**
 18.5 cm/7¼" **GN642.18**
 20.5 cm/8" **GN642.20**
 24.0 cm/9½" **GN642.24**
 26.5 cm/10½" **GN642.26**
 30.5 cm/12" **GN642.30**



JAMESON
GN404.23
 23 cm/9"

TC Jaws



HEANEY
GN403.21
 20.5 cm/8"



HEANEY
GN643.20
 20.5 cm/8"

heavy pattern



MASSON
GN408.27
 26.5 cm/10½"

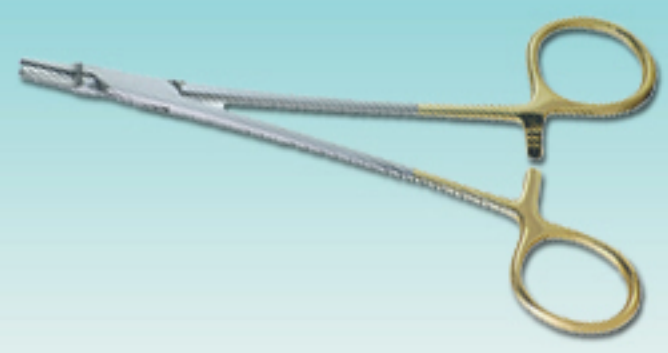
TC Jaws



MASSON
GN648.27
 26.5 cm/10½"



JOHNSON
GN437.27
 27 cm/10½"



Needle Holders



FINOCHIETTO
GN415.27
26.5 cm/10½"



FINOCHIETTO
GN653.27
26.5 cm/10½"



WANGENSTEEN
GN420.27
26.5 cm/10½"



WANGENSTEEN
GN656.27
26.5 cm/10½"



MASING
GN1000.05
Tek ayağı açılı, yüzüklü
One ring angled
13 cm



GILLIES
GN469.16
16 cm/6¼"



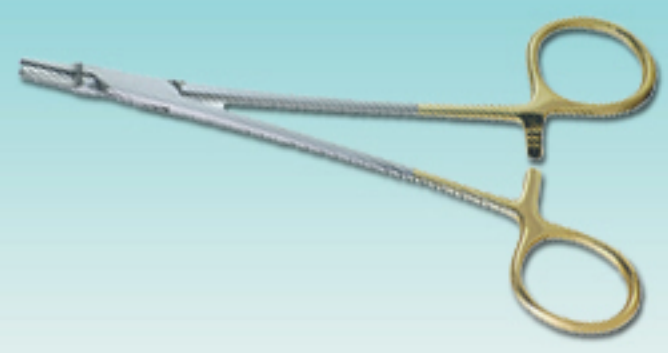
GILLIES
GN673.16
16 cm/6¼"



GILLIES-MINI
GN673.15
15 cm/6"



FOSTER-GILLIES
GN673.12
11 cm/4¼"



Needle Holders

With automatic release ratchet also for left handers

TC Jaws

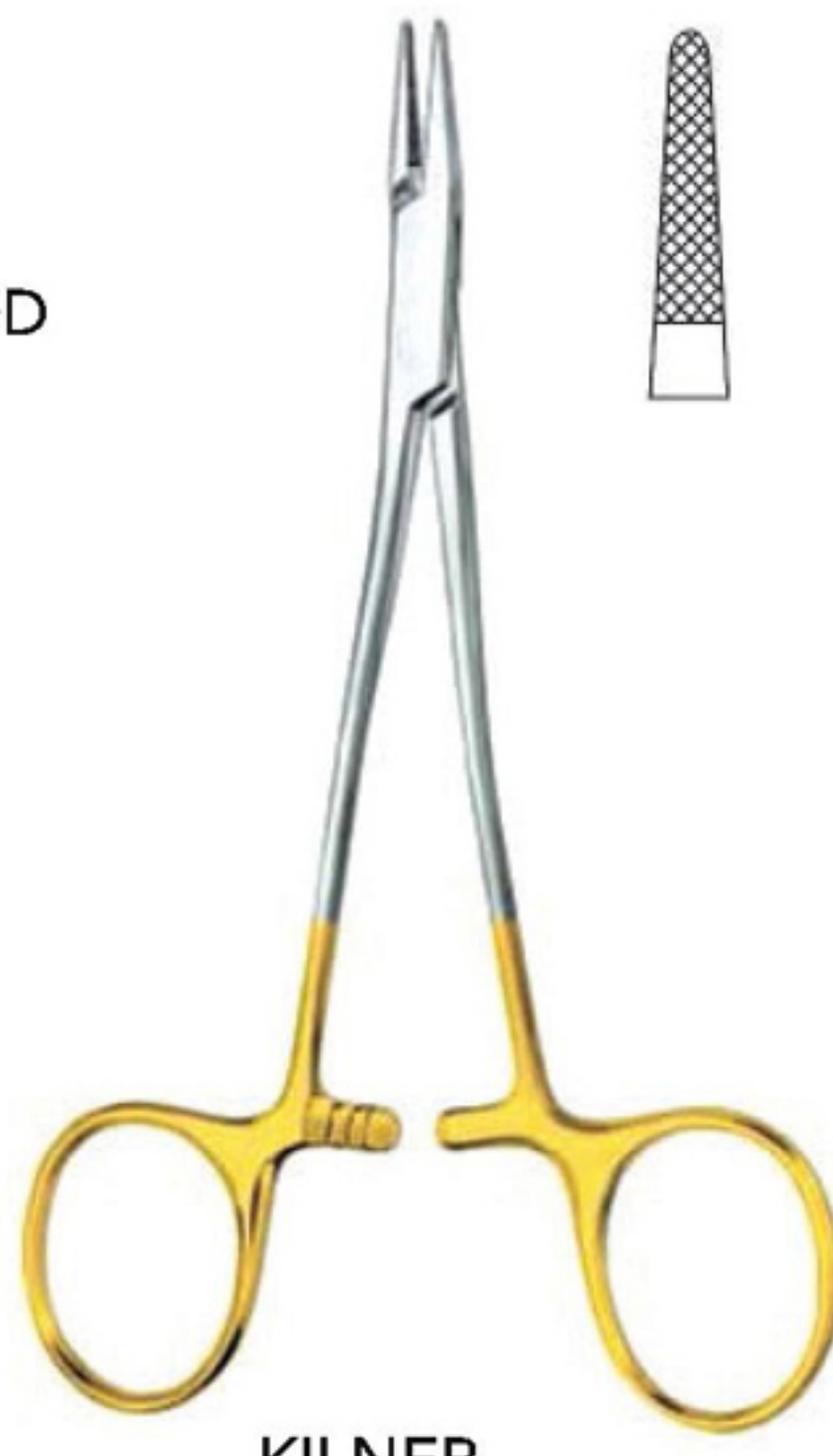


WEBSTER
GN604.13
13 cm/5"



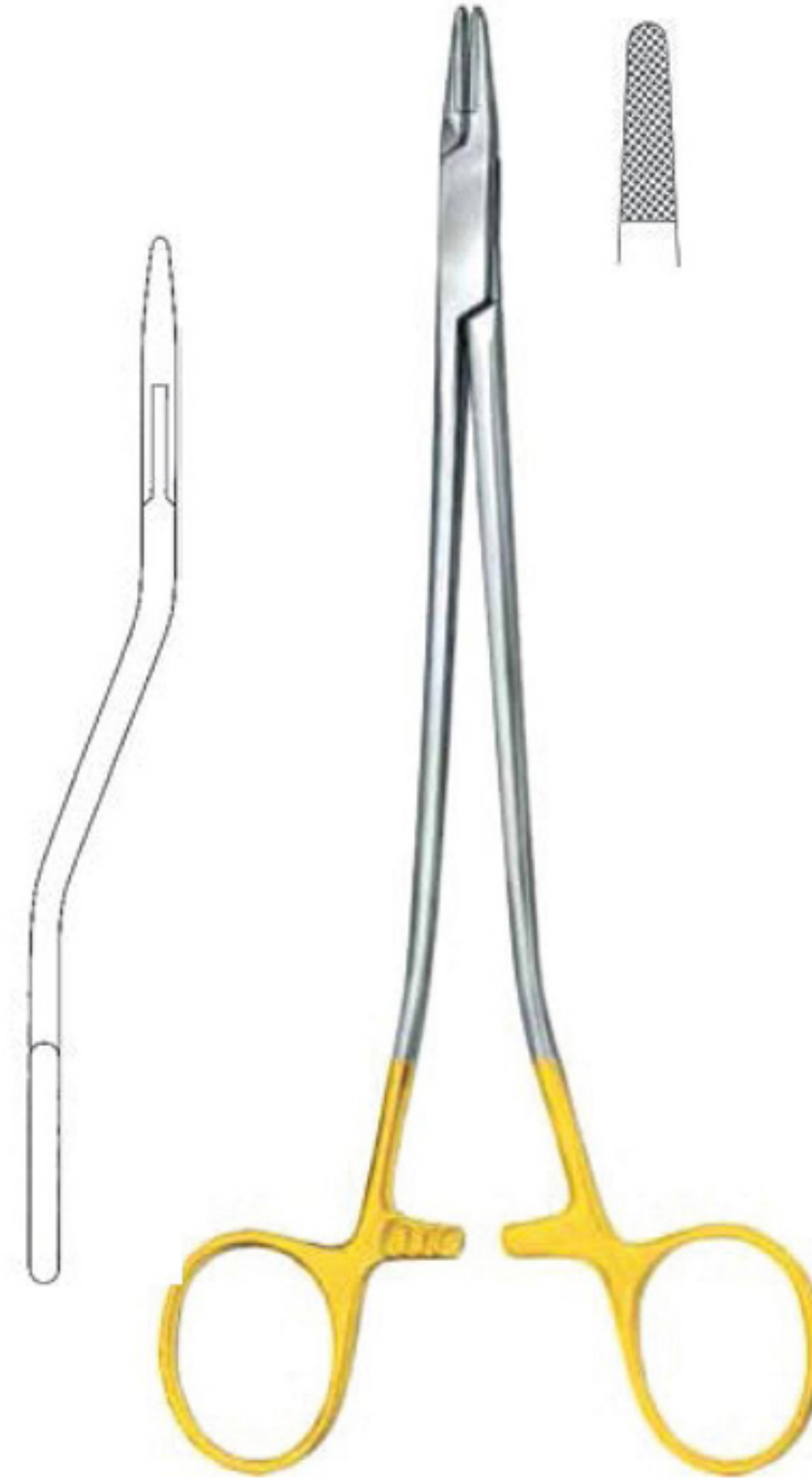
CRILE-WOOD
GN604.15
15 cm/6"

TC Jaws



KILNER
GN631.13
14.5 cm/5³/₄"

TC Jaws



SAROT
18 cm/7" **GN640.18**
20 cm/8" **GN640.20**
26 cm/10¹/₄" **GN640.26**

TC Jaws



RYDER
12.5 cm/5" **GN650.13**
15.0 cm/6" **GN650.15**
18.0 cm/7" **GN650.18**
20.0 cm/8" **GN650.20**
23.0 cm/9" **GN650.23**
26.0 cm/10¹/₄" **GN650.26**

TC Jaws



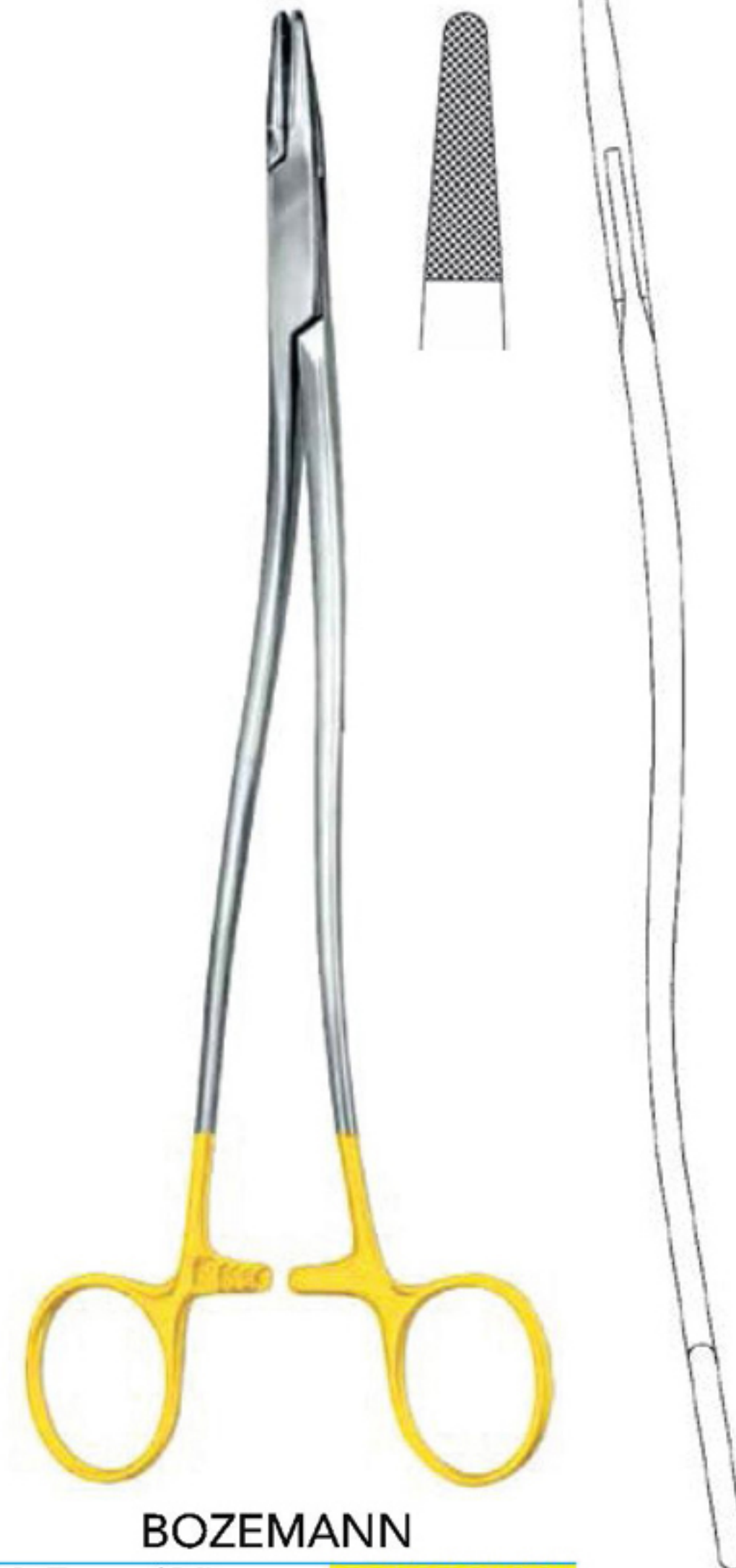
RYDER-VASCULAR
12.5 cm/5" **GN654.13**
15.0 cm/6" **GN654.15**
18.0 cm/7" **GN654.18**
20.0 cm/8" **GN654.20**
23.0 cm/9" **GN654.23**
26 cm/10¹/₄" **GN654.26**

TC Jaws



HEGAR-VASCULAR
14.0 cm/5¹/₂" **GN658.14**
18.5 cm/7¹/₄" **GN658.18**
20.5 cm/8" **GN658.20**
23.0 cm/9" **GN658.23**

TC Jaws

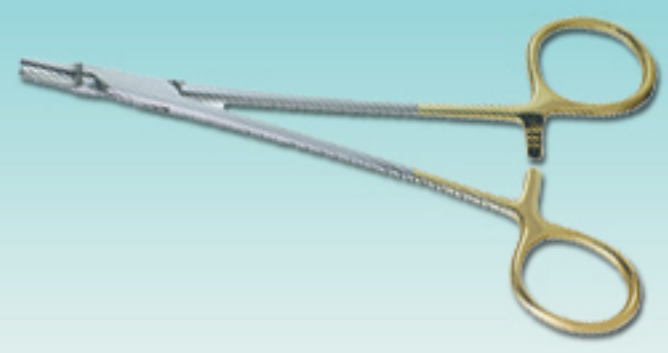


BOZEMANN
20.5 cm/8" **GN659.20**
24.0 cm/9¹/₂" **GN659.24**
26.0 cm/10¹/₄" **GN659.26**
30.0 cm/11³/₄" **GN659.30**

TC Jaws



HEGAR
20 cm/8" **GN662.20**
24 cm/9¹/₂" **GN662.24**



Needle Holders

TC Jaws



DEBAKEY

- 18.0 cm/7" **GN646.18**
- 20.5 cm/8" **GN646.20**
- 23.0 cm/9" **GN646.23**
- 26.5 cm/10½" **GN646.26**
- 31.0 cm/12½" **GN646.31**

TC Jaws



MICROVASCULAR

- 14.0 cm/5½" **GN666.00**
- 17.5 cm/6¾" **GN666.02**
- 20.0 cm/8" **GN666.03**
- 23.0 cm/9" **GN666.04**
- 26.0 cm/10¼" **GN666.05**

TC Jaws



STRATTE
GN451.23
23 cm/9"



STRATTE
GN665.22
23 cm/9"

TC Jaws

smooth



MARTINI

- 14.0 cm/5½" **GN668.00**
- 15.0 cm/6" **GN668.01**
- 17.5 cm/6¾" **GN668.02**
- 20.0 cm/8" **GN668.03**

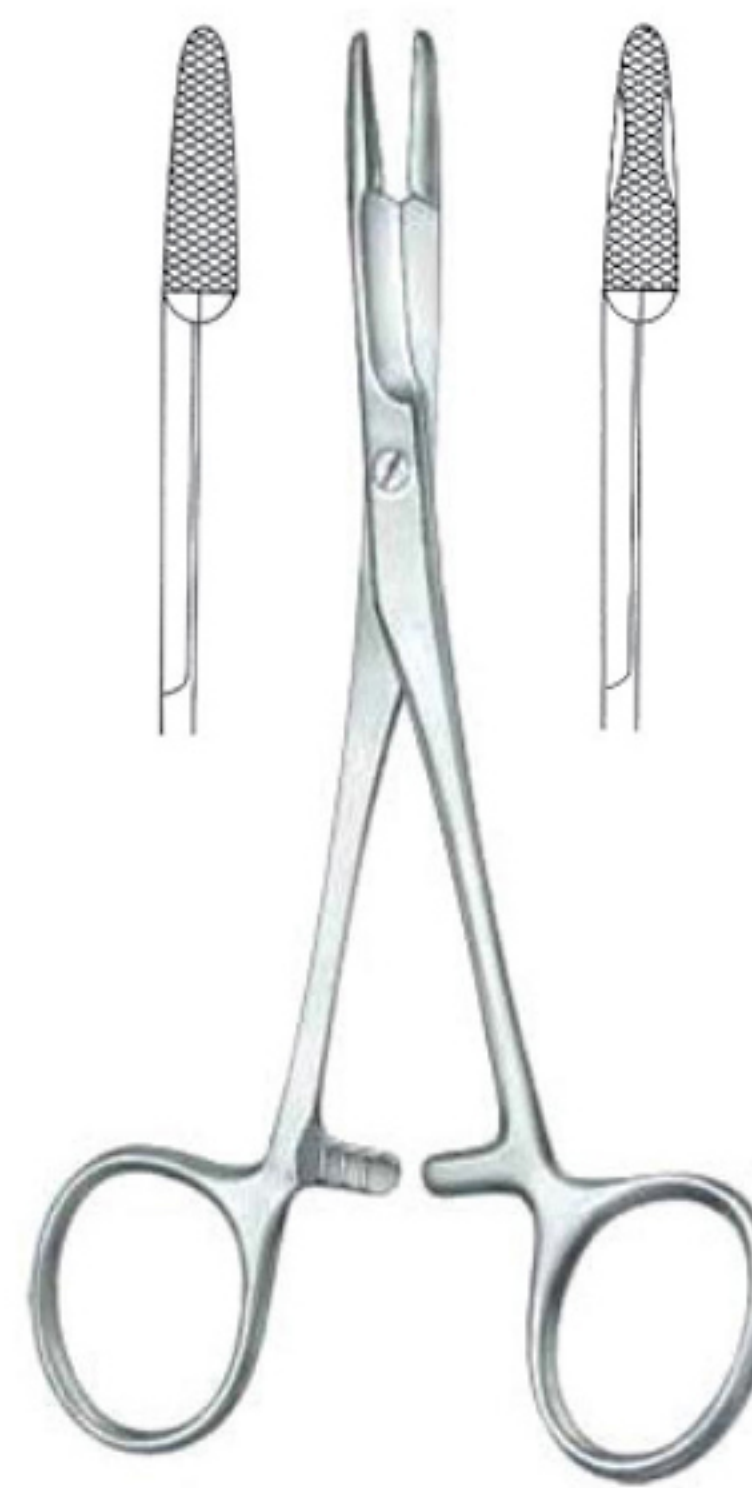
TC Jaws

delicate pattern



MARTINI

- 14.0 cm/5½" **GN670.00**
- 15.0 cm/6" **GN670.01**
- 17.5 cm/6¾" **GN670.02**
- 20.0 cm/8" **GN670.03**

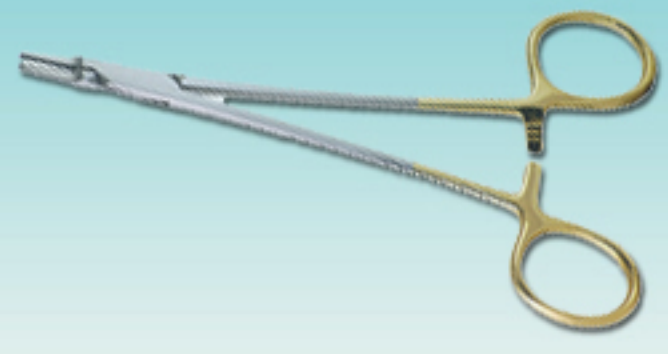


OLSEN-HEGAR
GN466.14
14 cm/5½"

TC Jaws



OLSEN-HEGAR
14.5 cm/5¾" **GN672.14**
17.0 cm/6¾" **GN672.17**
19.5 cm/7¾" **GN672.18**



Needle Holders



MATHIEU

14.0 cm/5½" **GN516.14**
17.0 cm/6¾" **GN516.17**
20.5 cm/8" **GN516.20**

TC Jaws



MATHIEU

14.0 cm/5½" **GN676.14**
17.0 cm/6¾" **GN676.17**
20.5 cm/8" **GN676.20**

TC Jaws



MATHIEU

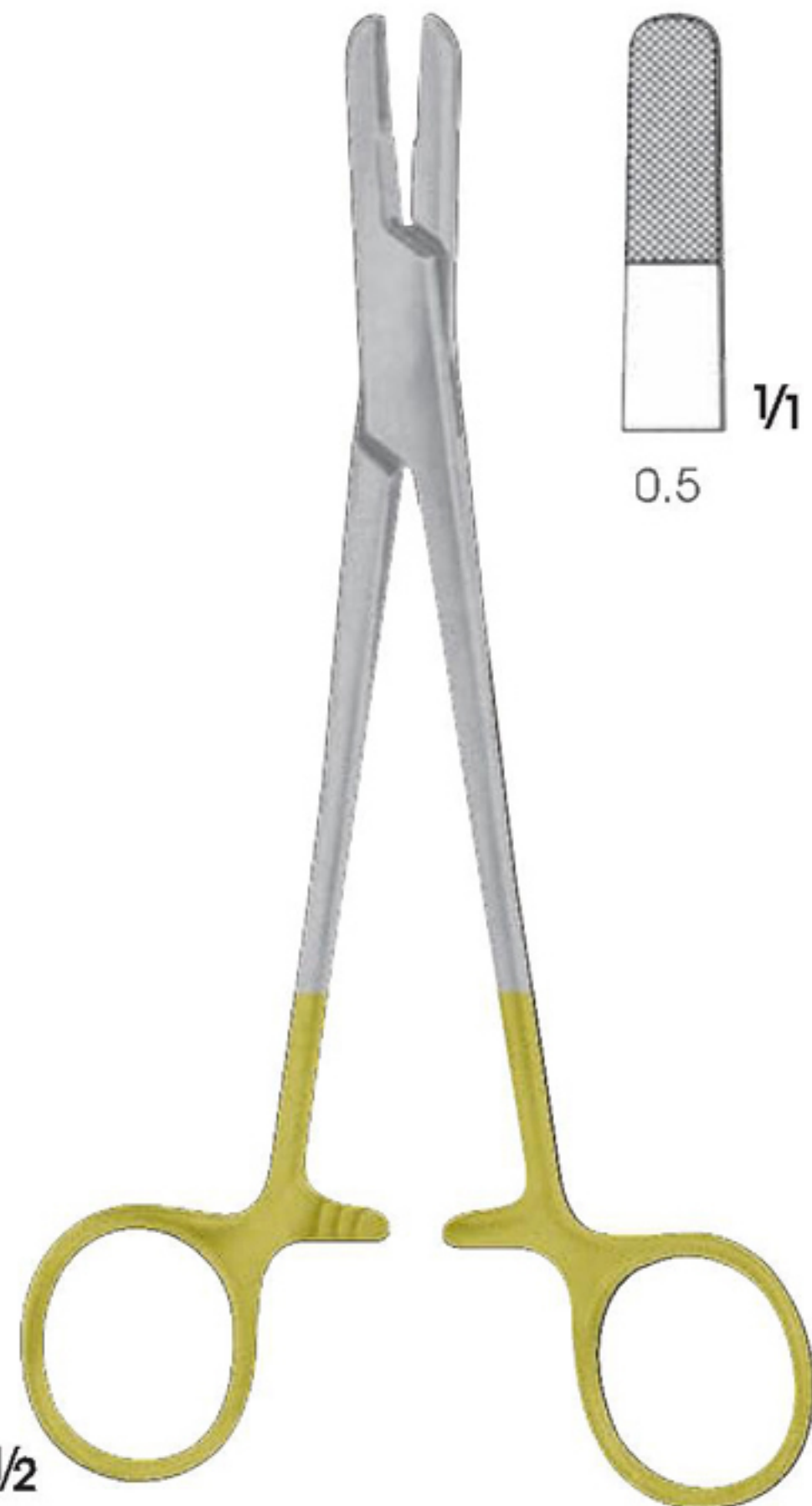
14.0 cm/5½" **GN678.14**
17.0 cm/6¾" **GN678.17**
20.5 cm/8" **GN678.20**

Fine/Delicate



MATHIEU

14.0 cm/5½" **GN526.14**
17.0 cm/6¾" **GN526.17**



GN1000.01

Tel Bükücü/ Wire twister
Sternum suture için ligatür pensi
Sternum suture for ligature forceps
17.5 cm



BERRY

GN1000.02

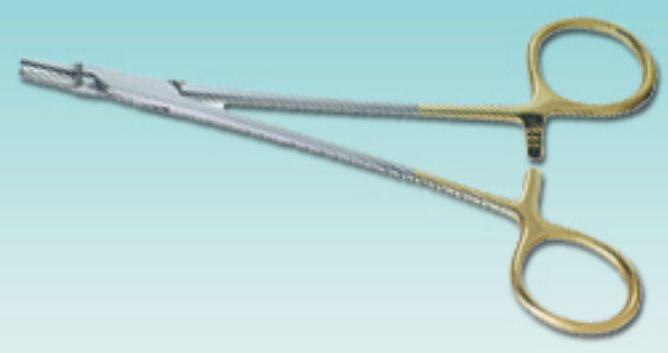
Tel bükücü/Wire twister
Ligatür pensi/Ligature forceps
18.5 cm









BAUMGARTNER

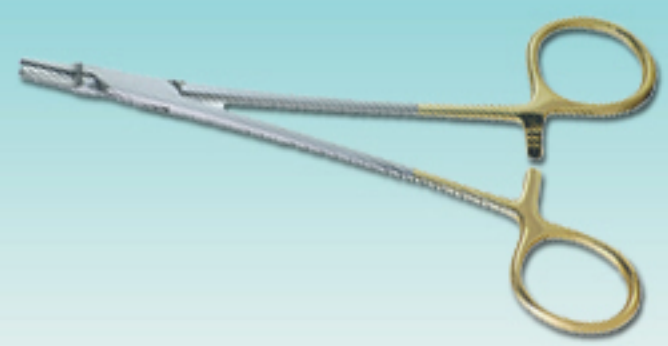
GN1000.03

Tel bükücü/Wire twister
Ligatür pensi/Ligature forceps
20 cm



Needle Holders

<p>TC Jaws</p>  <p>MATHIEU 14.0 cm/5½" 17.0 cm/6¾" 20.5 cm/8"</p> <p>GN674.14 GN674.17 GN674.20</p>	<p>TC Jaws</p>  <p>with hinged ratchet</p> <p>ZWEIFEL 20.0 cm/7" 23.0 cm/9"</p> <p>GN696.20 GN696.23</p>	<p>TC Jaws</p>  <p>LICHTENBERG GN576.20 20 cm/8"</p>	<p>TC Jaws</p>  <p>LICHTENBERG GN686.20 20 cm/8"</p>
<p>TC Jaws</p>  <p>LANGENBECK 18.5 cm/7¼" 20.5 cm/8" 23.0 cm/9"</p> <p>GN692.18 GN692.20 GN692.23</p>	<p>CRILE GN500.15 15 cm/16"</p>	<p>TOENNIS GN574.18 18.5 cm/7¼"</p>	<p>TC Jaws</p>  <p>TOENNIS GN684.18 18 cm/7"</p>



Needle Holders

Jaws
Diamond Dusted



**MN030.15 -
MN033.23**

**MN070.15 -
MN073.23**



with catch

15 cm/6"
18 cm/7"
21 cm/8¼"
23 cm/9"

MN030.15
MN030.18
MN030.21
MN030.23



with catch

MN031.15
MN031.18
MN031.21
MN031.23



without catch

MN032.15
MN032.18
MN032.21
MN032.23



without catch

MN033.15
MN033.18
MN033.21
MN033.23



with catch

15 cm/6"
18 cm/7"
21 cm/8¼"
23 cm/9"

MN070.15
MN070.18
MN070.21
MN070.23



with catch

MN071.15
MN071.18
MN071.21
MN071.23



without catch

MN072.15
MN072.18
MN072.21
MN072.23



without catch

MN073.15
MN073.18
MN073.21
MN073.23



with catch

15 cm/6"
18 cm/7"
21 cm/8¼"
23 cm/9"

MN606.15
MN606.18
MN606.21
MN606.23



with catch

MN605.15
MN605.18
MN605.21
MN605.23



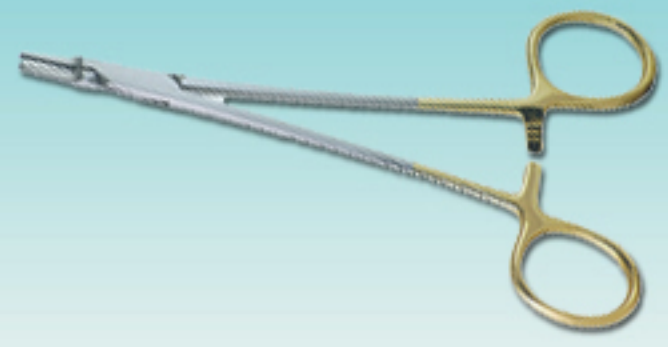
without catch

MN608.15
MN608.18
MN608.21
MN608.23







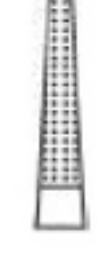







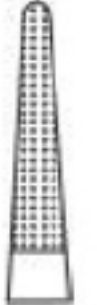

without catch












MN607.15
MN607.18
MN607.21
MN607.23

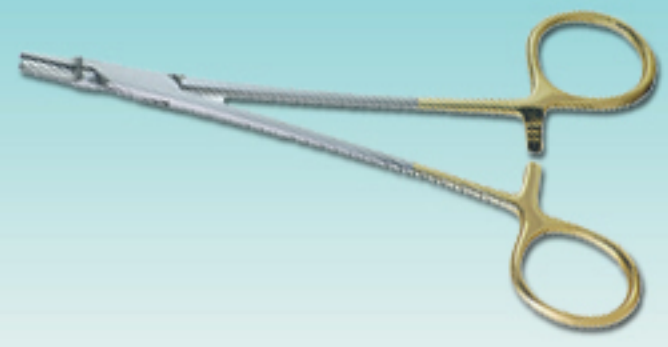


Needle Holders

Jaws
TC Inserts

	 MN306.14		 MN308.14	 MN620.14	 MN621.14	 MN622.14	 MN623.14
CASTROVIEJO 14.5 cm/5¾"		CASTROVIEJO 14.5 cm/5¾"		14.5 cm/5¾" micro profile	14.5 cm/5¾" micro profile	14.5 cm/5¾" smooth jaw	14.5 cm/5¾" smooth jaw
with catch		without catch					
	 MN307.14		 MN309.14	 MN620.18	 MN621.18	 MN620.21	 MN621.21
				18 cm/7" micro profile	18 cm/7" micro profile	22 cm/8¾" micro profile	22 cm/8¾" micro profile
			with catch				
			CASTROVIEJO				

	 MN300.11	 MN300.13	 MN298.10	 MN299.10	 MN288.10	 MN289.10
	11.5 cm/4½" without catch	13.5 cm/5¼" without catch	10.5 cm/4"	10.5 cm/4"		
			 MN298.11	 MN299.11		
	 MN300.14		11.5 cm/4½"	11.5 cm/4½"		
	14 cm/5½" with catch					
BARRAQUER			with catch			
			BARRAQUER-TROUTMAN			
						without catch
					BARRAQUER-TROUTMAN 10.5 cm/4"	



Needle Holders

Very delicate jaws



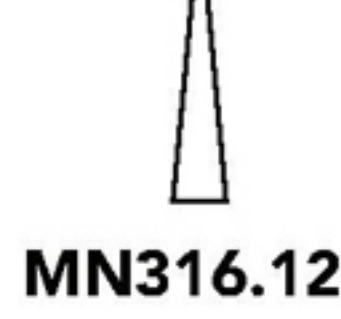
MN302.01



MN304.01



MN305.01



MN316.12



MN317.12



MN290.14



MN291.14



without catch

CASTROVIEJO-FINO
13 cm/5¼"



with catch

CASTROVIEJO-FINO
13 cm/5¼"



CASTROVIEJO
12 cm/4¾"



KALT
MN274.14
13.5 cm/5¼"



ARRUGA
13.5 cm/5¼"



MN850.20
20 cm/8"



MN851.20
20 cm/8"



MN850.22A
22.5 cm/9"



MN851.22A
22.5 cm/9"



YASARGIL



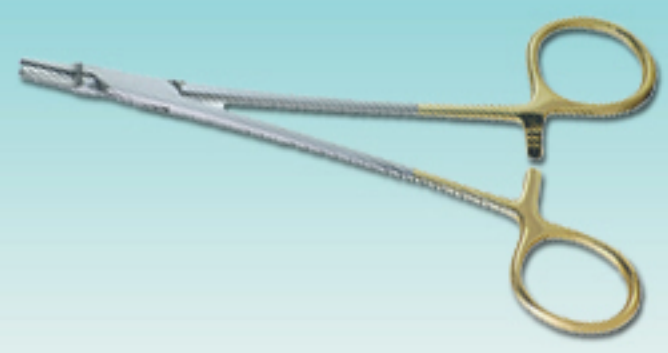
MN852.18
without catch

JACOBSON
18 cm/7"




MN854.18A
with catch

JACOBSON
18 cm/7"




Needle Holders (Reverdin Needles & Ligature Needles)



REVERDIN


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	
short	GN701.15	GN702.15	GN703.15	GN704.15	14.5 cm/5¾"
medium	GN721.19	GN722.19	GN723.19	GN724.19	20.0 cm/8"
long	GN741.23	GN742.23	GN743.23	GN744.23	23.0 cm/9"

complete, with needle no. 1



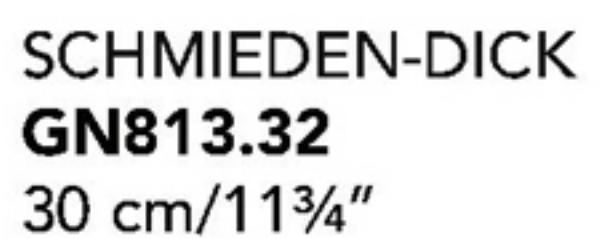
YOUNG
GN775.25
24.5 cm/9½"

Malleable




SCHMIEDEN
GN815.21
24 cm/9½"

Malleable



SCHMIEDEN-DICK
GN813.32
30 cm/11¾"


right delicate left



KRONECKER
GN835.13
12 cm/4¾"

KRONECKER
GN837.13
12 cm/4¾"


Ligature conductors



SCHMIEDEN
GN871.19
18 cm/7"

SCHMIEDEN-PAYR
GN872.19
18 cm/7"

Malleable

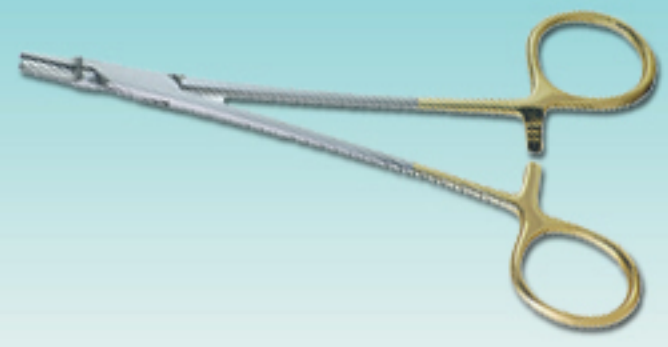


KOENIG
20 cm/8"

GN875.03	Fig. 1
GN875.05	Fig. 2
GN875.07	Fig. 3

GN825.20
20 cm/8"

GN832.19
20 cm/8"



Needle Holders (Ligature Needles)



GN841.20
20 cm/8"

blunt, for right hand



GN842.20
20 cm/8"

blunt, for left hand



GN843.20
20 cm/8"

sharp, for right hand



GN844.20
20 cm/8"

sharp, for left hand



GN851.27
27 cm/10½"

sharp, for right hand



GN852.27
27 cm/10½"

sharp, for left hand



DESCHAMPS



sharp



blunt



GN845.21
20 cm/8"

blunt, for right hand



GN846.21
20 cm/8"

blunt, for left hand



GN847.21
20 cm/8"

sharp, for right hand



GN848.21
20 cm/8"

sharp, for left hand



GN849.27
27 cm/10½"

blunt, for right hand



GN850.27
27 cm/10½"

blunt, for left hand



GN855.20
21 cm/8¼"

sharp, for right hand



GN856.20
21 cm/8¼"

sharp, for left hand



GN857.20
21 cm/8¼"

blunt, for right hand



GN858.20
21 cm/8¼"

blunt, for left hand



GN859.20
21 cm/8¼"

blunt, for right hand



GN860.20
21 cm/8¼"

blunt, for left hand



GN839.24
24 cm/9½"

blunt, for right hand



GN840.24
24 cm/9½"

blunt, for left hand



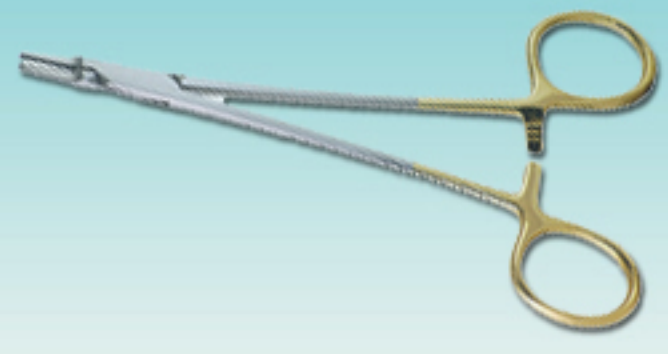
GN853.20
28 cm/11"

blunt, for right hand

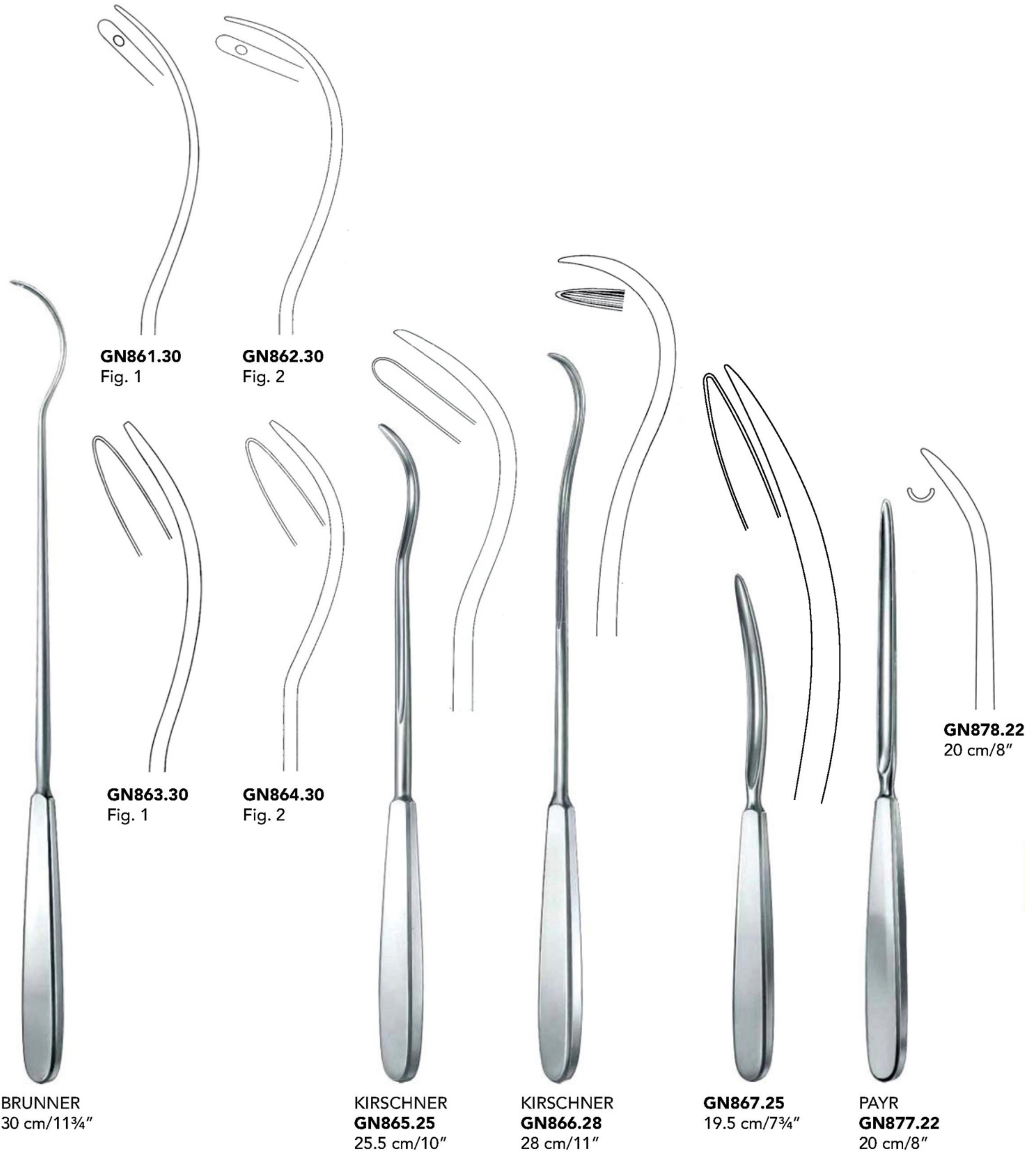


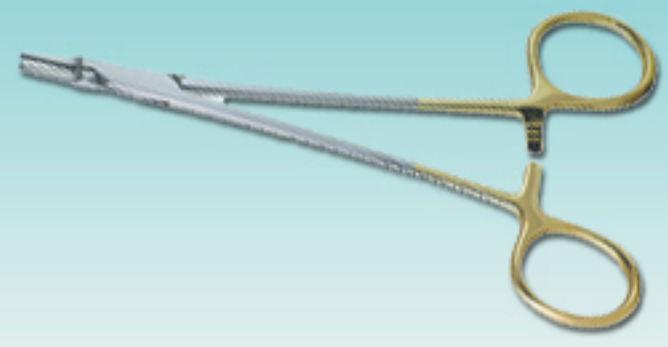
GN854.20
28 cm/11"

blunt, for left hand



Needle Holders (Ligature Conducto)





Needle Holders (Ligature Conductors & Clip Applying Forceps)

ligature catcher



MOD. WIEN
GN882.23
23.5 cm/9¼"

knot tier



GN884.21
22 cm/8¾"

ligature adjuster



GN886.23
23 cm/9"



RICHTER
GN935.14
13.5 cm/5¼"

for applying and removal of clips



MICHEL
GN920.12
12.5 cm/5"

for applying and removal of clips



MICHEL
GN929.12
13 cm/5¼"



MICHEL
GN916.12
12 cm/4¾"



HEGENBARTH
GN922.12
12 cm/4¾"



WACHENFELDT
GN924.12
12 cm/4¾"



With clip holder

CHILDE
GN910.18
17 cm/6¾"

Approximation forceps
heavy pattern