













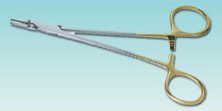




Needle Holders

		TC Jaws				
Fenestrated jaws	Longitudinal serration		Fenestrated jaws	Smooth jaws	Smooth jaws	Serrated jaws
						
326.12 12 cm/4¾"	320.12 13 cm/5"				630.13	633.13
						
DERF	DERF	632.12 12 cm/4¾"	COLLIER 332.12 12 cm/4¾"	WEBSTER 334.13 12.5 cm/5"	WEBSTER 12.5 cm/5"	WEBSTER 12.5 cm/5"

		TC Jaws			TC Jaws
Smooth jaws	Smooth jaws		Serrated jaws		
					
	636.13		637.13		
					
HALSEY 336.13 13 cm/5"	HALSEY 13 cm/5"	HEGAR-BAUMGARTNER 13 cm/5" 310.13	HEGAR-BAUMGARTNER 14.5 cm/5¾" 310.14	HEGAR-BAUMGARTNER 13 cm/5" 634.13	HEGAR-BAUMGARTNER 14.5 cm/5¾" 634.14



Needle Holders

Smooth jaws
special groove



NEIVERT
338.13
12.5 cm/5"

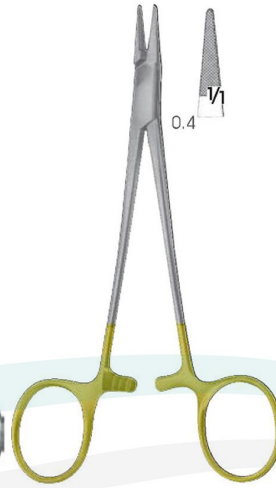
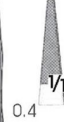
Slender pattern



CRILE-MURRAY
348.15
15 cm/6"



CRILE-WOOD
350.15
15 cm/6"



BABY-CRILE-WOOD
1000.04
15 cm



638.15
15 cm/6"



638.18
18.5 cm/7¼"



638.20
20.5 cm/8"

TC Jaws



CRILE-WOOD

Fenestrated jaws
throughout



ADSON
360.18
18.5 cm/7¼"

One grooved and
fenestrated jaw



METZENBAUM
364.18
18.5 cm/7¼"
364.18TC

heavy pattern



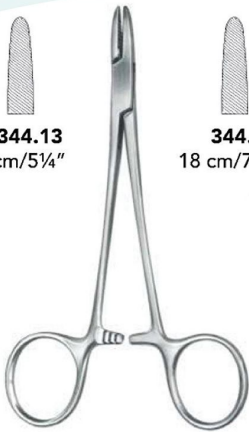
M.G. Hospital
384.17
18 cm/7"

Diagonally serrated jaws

Heavy pattern



344.13
13 cm/5¼"



BROWN



344.18
18 cm/7"



Needle Holders

Slender pattern



MAYO-HEGAR
16.0 cm/6¼" **396.16**
18.5 cm/7¼" **396.18**
20.5 cm/8" **396.20**



MAYO-HEGAR
14.5 cm/5¾" **390.14**
16.0 cm/6¼" **390.16**
18.5 cm/7¼" **390.18**
20.5 cm/8" **390.20**
24.0 cm/9½" **390.24**
26.5 cm/10½" **390.26**
30.5 cm/12" **390.30**

TC Jaws



MAYO-HEGAR
16.0 cm/6¼" **642.16**
18.5 cm/7¼" **642.18**
20.5 cm/8" **642.20**
24.0 cm/9½" **642.24**
26.5 cm/10½" **642.26**
30.5 cm/12" **642.30**



JAMESON
404.23
23 cm/9"



TC Jaws



HEANEY
403.21
20.5 cm/8"



HEANEY
643.20
20.5 cm/8"

heavy pattern



MASSON
408.27
26.5 cm/10½"



TC Jaws



MASSON
648.27
26.5 cm/10½"



JOHNSON
437.27
27 cm/10½"





Needle Holders



FINOCHIETTO
415.27
26.5 cm/10½"



FINOCHIETTO
653.27
26.5 cm/10½"



WANGENSTEEN
420.27
26.5 cm/10½"



WANGENSTEEN
656.27
26.5 cm/10½"



MASIG
1000.05
Tek ayağı açılı, yüzüklü
One ring angled
13 cm



GILLIES
469.16
16 cm/6¼"



GILLIES
673.16
16 cm/6¼"



GILLIES-MINI
673.15
15 cm/6"



FOSTER-GILLIES
673.12
11 cm/4¼"



Needle Holders

With automatic release ratchet
also for left handers

TC Jaws

WEBSTER
604.13
13 cm/5"

CRILE-WOOD
604.15
15 cm/6"

TC Jaws

KILNER
631.13
14.5 cm/5¾"

TC Jaws

SAROT
18 cm/7" **640.18**
20 cm/8" **640.20**
26 cm/10¼" **640.26**

TC Jaws

RYDER
12.5 cm/5" **650.13**
15.0 cm/6" **650.15**
18.0 cm/7" **650.18**
20.0 cm/8" **650.20**
23.0 cm/9" **650.23**
26.0 cm/10¼" **650.26**

TC Jaws

RYDER-VASCULAR
12.5 cm/5" **654.13**
15.0 cm/6" **654.15**
18.0 cm/7" **654.18**
20.0 cm/8" **654.20**
23.0 cm/9" **654.23**
26 cm/10¼" **654.26**

TC Jaws

HEGAR-VASCULAR
14.0 cm/5½" **658.14**
18.5 cm/7¼" **658.18**
20.5 cm/8" **658.20**
23.0 cm/9" **658.23**

TC Jaws

BOZEMANN
20.5 cm/8" **659.20**
24.0 cm/9½" **659.24**
26.0 cm/10¼" **659.26**
30.0 cm/11¾" **659.30**

TC Jaws

HEGAR
20 cm/8" **662.20**
24 cm/9½" **662.24**



Needle Holders

TC Jaws



DEBAKEY

18.0 cm/7"	646.18
20.5 cm/8"	646.20
23.0 cm/9"	646.23
26.5 cm/10½"	646.26
31.0 cm/12½"	646.31

TC Jaws



MICROVASCULAR

14.0 cm/5½"	666.00
17.5 cm/6¾"	666.02
20.0 cm/8"	666.03
23.0 cm/9"	666.04
26.0 cm/10¼"	666.05

TC Jaws



STRATTE
451.23
23 cm/9"

STRATTE
665.22
23 cm/9"

TC Jaws

smooth



MARTINI

14.0 cm/5½"	668.00
15.0 cm/6"	668.01
17.5 cm/6¾"	668.02
20.0 cm/8"	668.03

TC Jaws

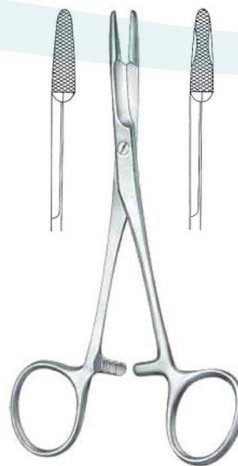
delicate pattern



MARTINI

14.0 cm/5½"	670.00
15.0 cm/6"	670.01
17.5 cm/6¾"	670.02
20.0 cm/8"	670.03

TC Jaws



OLSEN-HEGAR
466.14
14 cm/5½"



OLSEN-HEGAR

14.5 cm/5¾"	672.14
17.0 cm/6¾"	672.17
19.5 cm/7¾"	672.18



Needle Holders

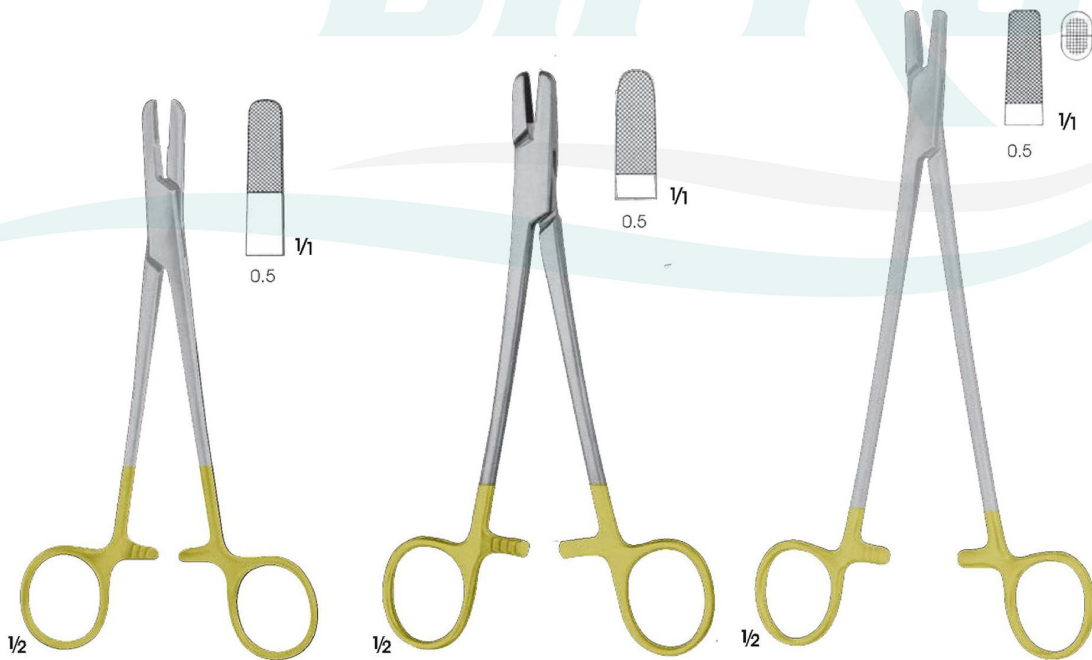


MATHIEU
14.0 cm/5½" **516.14**
17.0 cm/6¾" **516.17**
20.5 cm/8" **516.20**

MATHIEU
14.0 cm/5½" **676.14**
17.0 cm/6¾" **676.17**
20.5 cm/8" **676.20**

MATHIEU
14.0 cm/5½" **678.14**
17.0 cm/6¾" **678.17**
20.5 cm/8" **678.20**

MATHIEU
14.0 cm/5½" **526.14**
17.0 cm/6¾" **526.17**



1000.01
Tel Bükücü/ Wire twister
Sternum suture için ligatür pensi
Sternum suture for ligature forceps
17.5 cm

BERRY
1000.02
Tel bükücü/Wire twister
Ligatür pensisi/Ligature forceps
18.5 cm

BAUMGARTNER
1000.03
Tel bükücü/Wire twister
Ligatür pensisi/Ligature forceps
20 cm



Needle Holders

TC Jaws



MATHIEU
14.0 cm/5½"
17.0 cm/6¾"
20.5 cm/8"
674.14
674.17
674.20

TC Jaws



ZWEIFEL
20.0 cm/7"
23.0 cm/9"
696.20
696.23

with hinged ratchet

TC Jaws



LICHTENBERG
20 cm/8"
576.20



LICHTENBERG
20 cm/8"
686.20

TC Jaws



LANGENBECK
18.5 cm/7¼"
20.5 cm/8"
23.0 cm/9"
692.18
692.20
692.23



CRILE
15 cm/16"
500.15

TC Jaws



TOENNIS
18.5 cm/7¼"
574.18



TOENNIS
18 cm/7"
684.18







Needle Holders





Jaws
Diamond Dusted







**030.15 -
033.23**

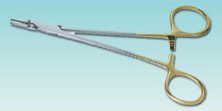
**070.15 -
073.23**

	 with catch	 with catch	 without catch	 without catch
15 cm/6"	030.15	031.15	032.15	033.15
18 cm/7"	030.18	031.18	032.18	033.18
21 cm/8¼"	030.21	031.21	032.21	033.21
23 cm/9"	030.23	031.23	032.23	033.23

	 with catch	 with catch	 without catch	 without catch
15 cm/6"	070.15	071.15	072.15	073.15
18 cm/7"	070.18	071.18	072.18	073.18
21 cm/8¼"	070.21	071.21	072.21	073.21
23 cm/9"	070.23	071.23	072.23	073.23



	 with catch	 with catch	 without catch	 without catch
15 cm/6"	606.15	605.15	608.15	607.15
18 cm/7"	606.18	605.18	608.18	607.18
21 cm/8¼"	606.21	605.21	608.21	607.21
23 cm/9"	606.23	605.23	608.23	607.23



Needle Holders

Jaws
TC Inserts



CASTROVIEJO
14.5 cm/5¾"
with catch



306.14



307.14



CASTROVIEJO
14.5 cm/5¾"
without catch



308.14



309.14



with catch
CASTROVIEJO



620.14

14.5 cm/5¾"

micro profile



621.14

14.5 cm/5¾"

micro profile



622.14

14.5 cm/5¾"

smooth jaw



623.14

14.5 cm/5¾"

smooth jaw



620.18

18 cm/7"

micro profile



621.18

18 cm/7"

micro profile



620.21

22 cm/8¾"

micro profile



621.21

22 cm/8¾"

micro profile



BARRAQUER



300.11

11.5 cm/4½"

without catch



300.13

13.5 cm/5¼"

without catch



300.14

14 cm/5½"

with catch



BARRAQUER-TROUTMAN



298.10

10.5 cm/4"



299.10

10.5 cm/4"



298.11

11.5 cm/4½"



299.11

11.5 cm/4½"

with catch



288.10



BARRAQUER-TROUTMAN
10.5 cm/4"



289.10

without catch



Needle Holders

Very delicate jaws



302.01

without catch

CASTROVIEJO-FINO
13 cm/5¼"



304.01

with catch

CASTROVIEJO-FINO
13 cm/5¼"



305.01



316.12



317.12

CASTROVIEJO
12 cm/4¾"



KALT
274.14
13.5 cm/5¼"



290.14



ARRUGA
13.5 cm/5¼"



291.14

DIPRO



YASARGIL



850.20
20 cm/8"



851.20
20 cm/8"



850.22A
22.5 cm/9"



851.22A
22.5 cm/9"



JACOBSON
18 cm/7"



852.18
without catch



854.18A
with catch



JACOBSON
18 cm/7"



Needle Holders (Reverdin Needles & Ligature Needles)



REVERDIN

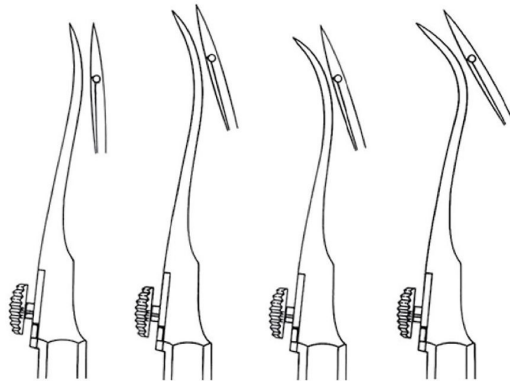


	Fig. 1	Fig. 2	Fig. 3	Fig. 4	
short	701.15	702.15	703.15	704.15	14.5 cm/5¾"
medium	721.19	722.19	723.19	724.19	20.0 cm/8"
long	741.23	742.23	743.23	744.23	23.0 cm/9"

complete, with
needle no. 1



YOUNG
775.25
24.5 cm/9½"

SCHMIEDEN
815.21
24 cm/9½"

Needles only
776.01 Fig. 1
776.02 Fig. 2
776.03 Fig. 3

SCHMIEDEN-DICK
813.32
30 cm/11¾"

Ligature conductors



SCHMIEDEN
871.19
18 cm/7"

SCHMIEDEN-PAYR
872.19
18 cm/7"

Malleable



KOENIG
20 cm/8"
875.03 Fig. 1
875.05 Fig. 2
875.07 Fig. 3

825.20
20 cm/8"

832.19
20 cm/8"



right
KRUNECKER
835.13
12 cm/4¾"

delicate
left
KRUNECKER
837.13
12 cm/4¾"



Needle Holders (Ligature Needles)



841.20
20 cm/8"
blunt, for right hand



842.20
20 cm/8"
blunt, for left hand



843.20
20 cm/8"
sharp, for right hand



844.20
20 cm/8"
sharp, for left hand



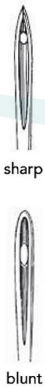
851.27
27 cm/10½"
sharp, for right hand



852.27
27 cm/10½"
sharp, for left hand



DESCHAMPS



845.21
20 cm/8"
blunt, for right hand



846.21
20 cm/8"
blunt, for left hand



847.21
20 cm/8"
sharp, for right hand



848.21
20 cm/8"
sharp, for left hand



849.27
27 cm/10½"
blunt, for right hand



850.27
27 cm/10½"
blunt, for left hand



855.20
21 cm/8¼"
sharp, for right hand



856.20
21 cm/8¼"
sharp, for left hand



857.20
21 cm/8¼"
blunt, for right hand



858.20
21 cm/8¼"
blunt, for left hand



859.20
21 cm/8¼"
blunt, for right hand



860.20
21 cm/8¼"
blunt, for left hand



839.24
24 cm/9½"
blunt, for right hand



840.24
24 cm/9½"
blunt, for left hand



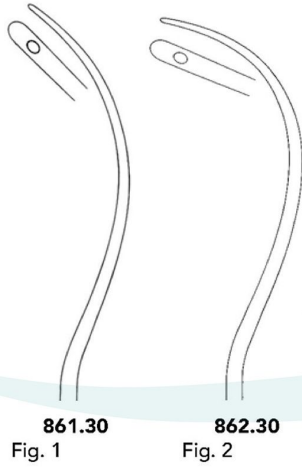
853.20
28 cm/11"
blunt, for right hand



854.20
28 cm/11"
blunt, for left hand

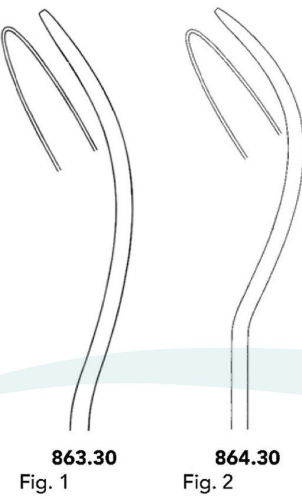


Needle Holders (Ligature Conducto)



861.30
Fig. 1

862.30
Fig. 2



863.30
Fig. 1

864.30
Fig. 2



878.22
20 cm/8"



BRUNNER
30 cm/11¾"



KIRSCHNER
865.25
25.5 cm/10"



KIRSCHNER
866.28
28 cm/11"



867.25
19.5 cm/7¾"



PAYR
877.22
20 cm/8"



Needle Holders (Ligature Conductors & Clip Applying Forceps)

ligature catcher



MOD.WIEN
882.23
23.5 cm/9¼"

knot tier



884.21
22 cm/8¾"

ligature adjuster



886.23
23 cm/9"

Screw lock



RICHTER
935.14
13.5 cm/5¼"

for applying and
removal of clips



MICHEL
920.12
12.5 cm/5"

Approximation forceps
heavy pattern

for applying and
removal of clips



MICHEL
929.12
13 cm/5¼"



MICHEL
916.12
12 cm/4¾"



HEGENBARTH
922.12
12 cm/4¾"



WACHENFELDT
924.12
12 cm/4¾"



With clip holder

CHILDE
910.18
17 cm/6¾"