














Needle Holders

		TC Jaws			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"	

		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 14.5 cm/5¾" 310.14	HEGAR-BAUMGARTNER 13 cm/5" 634.13 14.5 cm/5¾" 634.14

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
338.13
12.5 cm/5"

CRILE-MURRAY
348.15
15 cm/6"

CRILE-WOOD
350.15
15 cm/6"

BABY-CRILE-WOOD
1000.04
15 cm

CRILE-WOOD

638.15
15 cm/6"

638.18
18.5 cm/7¼"

638.20
20.5 cm/8"

344.13
13 cm/5¼"

344.18
18 cm/7"

BROWN

ADSON
360.18
18.5 cm/7¼"

METZENBAUM
364.18
18.5 cm/7¼"
364.18TC

M.G. Hospital
384.17
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"



MASSON
408.27
26.5 cm/10½"



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"



MASING
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

<p>TC Jaws</p>  <p>WEBSTER 604.13 13 cm/5"</p>	<p>TC Jaws</p>  <p>CRILE-WOOD 604.15 15 cm/6"</p>	<p>TC Jaws</p>  <p>KILNER 631.13 14.5 cm/5¾"</p>	<p>TC Jaws</p>  <p>SAROT 18 cm/7" 640.18 20 cm/8" 640.20 26 cm/10¼" 640.26</p>	<p>TC Jaws</p>  <p>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</p>
<p>TC Jaws</p>  <p>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 26.0 cm/10¼" 654.26</p>	<p>TC Jaws</p>  <p>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</p>	<p>TC Jaws</p>  <p>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</p>	<p>TC Jaws</p>  <p>HEGAR 20 cm/8" 662.20 24 cm/9½" 662.24</p>	

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



STRATTE
451.23
23 cm/9"

TC Jaws



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

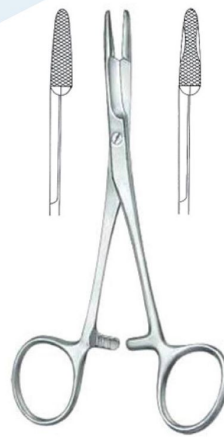
TC Jaws

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



OLSEN-HEGAR
466.14
14 cm/5½"

TC Jaws



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"
17.0 cm/6¾"
20.5 cm/8"

TC Jaws



MATHIEU
14.0 cm/5½"
17.0 cm/6¾"
20.5 cm/8"

TC Jaws

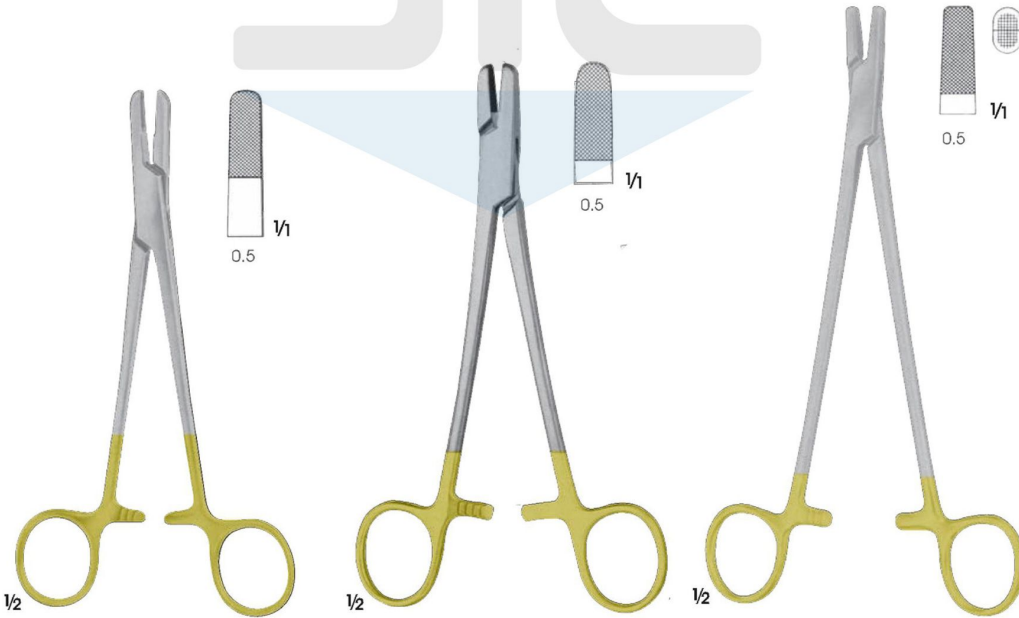


MATHIEU
14.0 cm/5½"
17.0 cm/6¾"
20.5 cm/8"

Fine/Delicate



MATHIEU
14.0 cm/5½"
17.0 cm/6¾"



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



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



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



LICHTENBERG
576.20
20 cm/8"



LICHTENBERG
GN686.20
20 cm/8"



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



CRILE
500.15
15 cm/16"



TOENNIS
574.18
18.5 cm/7¼"



TOENNIS
684.18
18 cm/7"

Needle Holders

Jaws
Diamond Dusted

	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












030.15 - 033.23 **070.15 - 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

	 306.14	 308.14	 620.14 14.5 cm/5¾"	 621.14 14.5 cm/5¾"	 622.14 14.5 cm/5¾"	 623.14 14.5 cm/5¾"
CASTROVIEJO 14.5 cm/5¾"	 307.14	 309.14	micro profile	micro profile	smooth jaw	smooth jaw
with catch	CASTROVIEJO 14.5 cm/5¾"	without catch	 620.18 18 cm/7"	 621.18 18 cm/7"	 620.21 22 cm/8¾"	 621.21 22 cm/8¾"
			micro profile	micro profile	micro profile	micro profile
		CASTROVIEJO with catch				

	 300.11 11.5 cm/4½"	 300.13 13.5 cm/5¼"	 298.10 10.5 cm/4"	 299.10 10.5 cm/4"	 288.10	 289.10
BARRAQUER	without catch	without catch	 298.11 11.5 cm/4½"	 299.11 11.5 cm/4½"		
	 300.14 14 cm/5½"					
	with catch		BARRAQUER-TROUTMAN with catch			BARRAQUER-TROUTMAN 10.5 cm/4"
						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



CASTROVIEJO
12 cm/4¾"



317.12



KALT
274.14
13.5 cm/5¼"



290.14



ARRUGA
13.5 cm/5¼"



291.14



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



JACOBSON
18 cm/7"



854.18A
with catch

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"

YOUNG
775.25
24.5 cm/9½"

SCHMIEDEN
815.21
24 cm/9½"

SCHMIEDEN-DICK
813.32
30 cm/11¾"

SCHMIEDEN
871.19
18 cm/7"

SCHMIEDEN-PAYR
872.19
18 cm/7"

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"

KRONECKER
835.13
12 cm/4¾"

KRONECKER
837.13
12 cm/4¾"

complete, with needle no. 1

Malleable

Ligature conductors

Malleable

right **delicate** **left**

Needle Holders (Ligature Needles)



GN841.20
20 cm/8"

blunt, for right hand



GN842.20
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



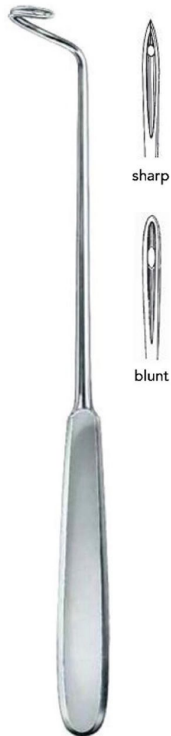
851.27
27 cm/10½"

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"

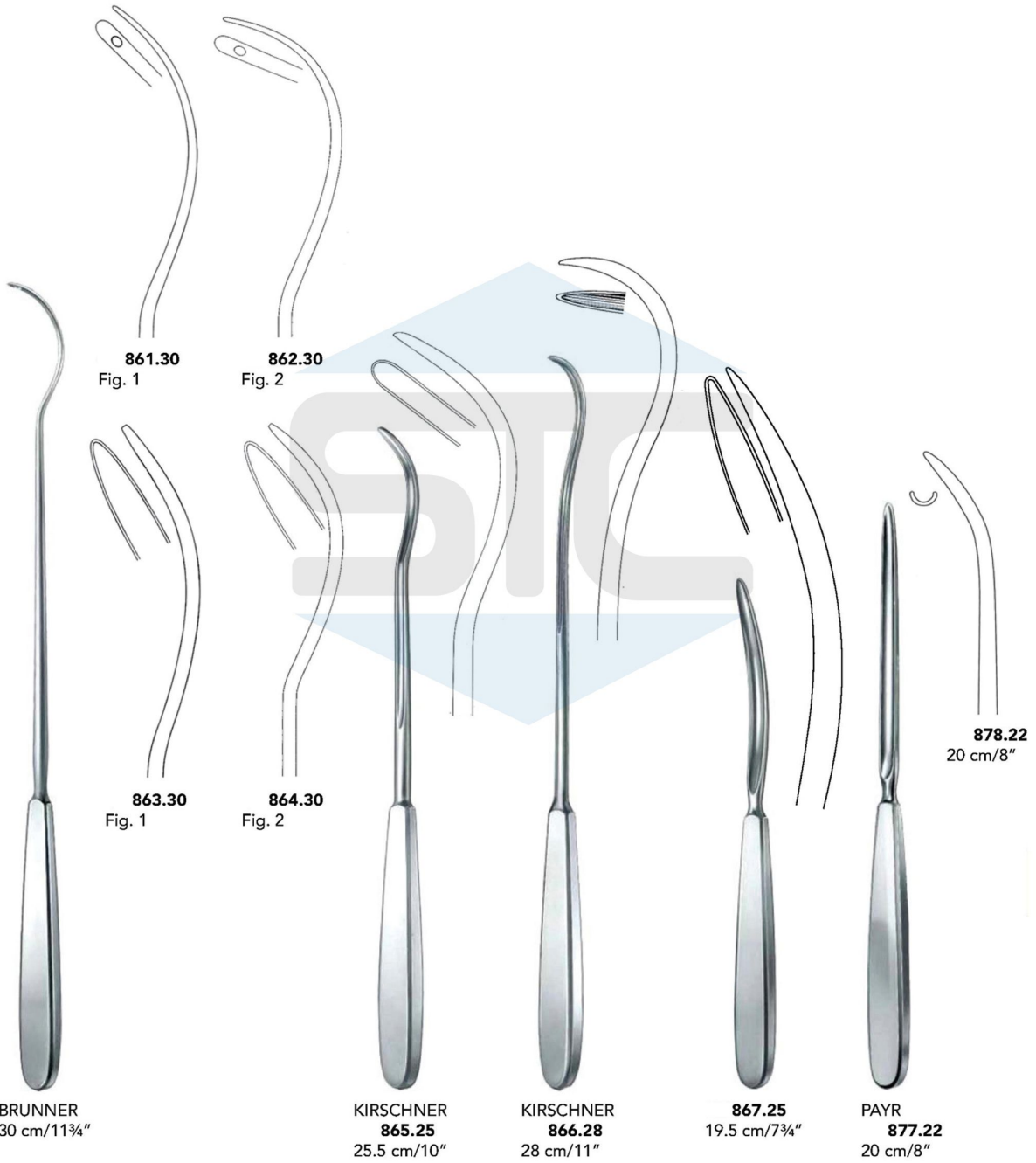
blunt, for right hand



854.20
28 cm/11"

blunt, for left hand

Needle Holders (Ligature Conducto)



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"

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"

Approximation forceps
heavy pattern



With clip holder

CHILDE
910.18
17 cm/6¾"