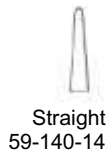


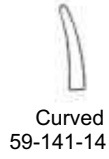
Suture Instruments Micro Needle Holders



Castroviejo
14cm/5½"



Straight
59-140-14



Curved
59-141-14



Castroviejo



Straight
59-144-14
59-144-18



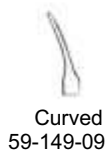
Curved
59-145-14
59-145-18



Castroviejo
9cm/3½"



Straight
59-148-09



Curved
59-149-09



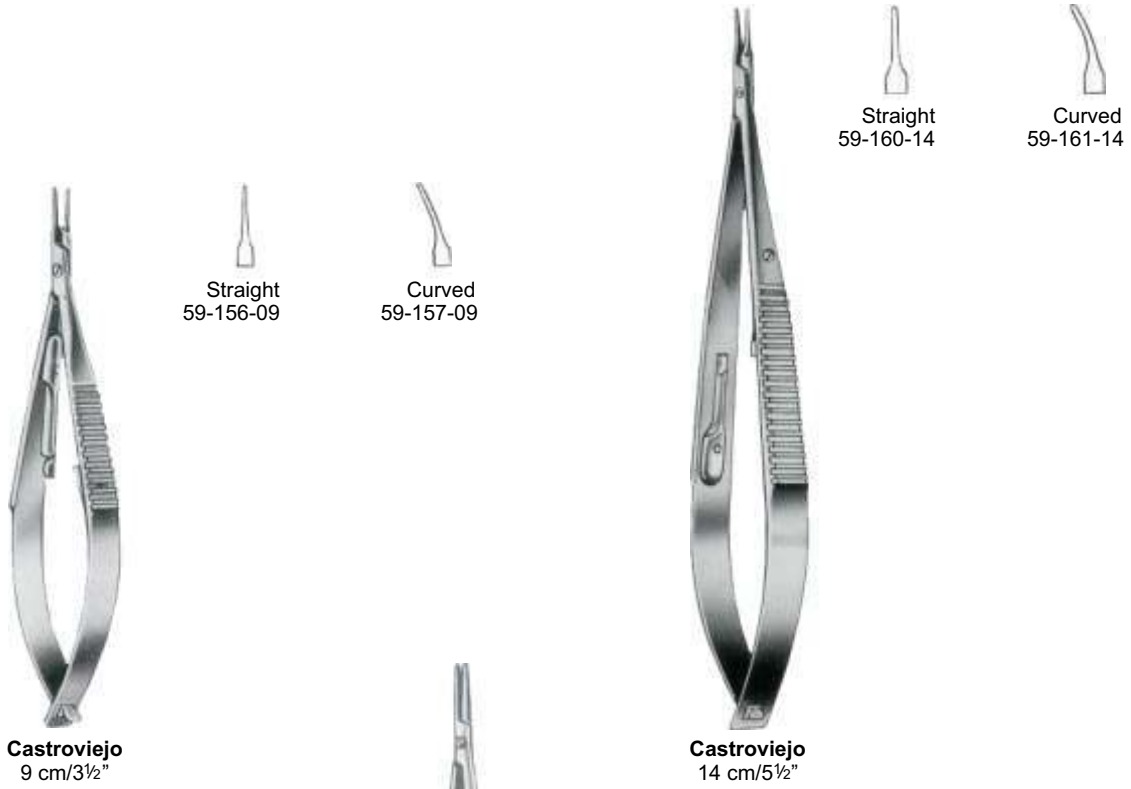
Castroviejo
14cm/5½"



Straight
59-152-14



Curved
59-153-14



cm	in	Without ratchet	With ratchet
18	7"	59-168-18	59-170-18
21	8¼"	59-168-21	59-170-21

Suture Instruments Micro Needle Holders



Yasargil



Straight

59-174-20 20.0 cm/8"
59-174-22 22.5 cm/9"



Curved

59-175-16 16.5 cm/6 1/2"
59-175-20 20.0 cm/9"
59-175-22 22.5 cm/9"
59-175-24 24.5 cm/9 3/4"



Straight

59-178-16 16.0 cm/6 1/4"
59-178-18 18.5 cm/7 1/4"



Curved

59-179-16 16.0 cm/6 1/4"
59-179-18 18.5 cm/7 1/4"



Straight
59-182-15
15 cm/6"



Curved
59-183-15
15 cm/6"



Straight
59-186-18
18 cm/7"



Curved
59-187-18
18 cm/7"



Straight
59-190-18
18 cm/7"

Straight



59-194-18
59-194-22

Curved

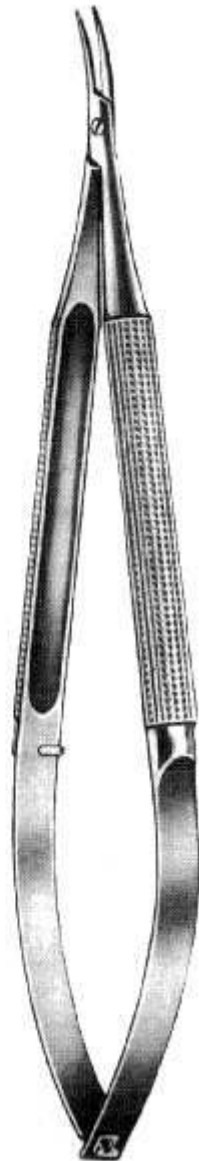


59-195-18
59-195-22

Yasargil
18.0 cm/7"
22.5 cm/8¾"



Straight
59-198-15
15 cm/6"



Curved
59-199-15
15 cm/6"



Straight
59-206-15
15 cm/6"



Curved
59-207-15
15 cm/6"



Straight
59-210-18
18.5 cm/7 1/4"



Curved
59-211-18
18.5 cm/7 1/4"



Straight
59-214-18
18.5 cm/7 1/4"



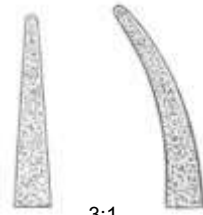
Curved
59-215-18
18.5 cm/7 1/4"



23 cm/9"

Straight
59-218-23

Curved
59-219-23



Straight



Curved

59-222-18 18 cm/7"
59-222-21 21 cm/8 1/4"
59-222-23 23 cm/9 1/4"

With ratchet

59-224-18 18 cm/7"
59-224-21 21 cm/8 "
59-224-23 23 cm/9 "

59-223-18 18 cm/7"
59-223-21 21 cm/8 1/4"
59-223-23 23 cm/9 1/4"

Without ratchet

59-225-18 18 cm/7"
59-225-21 21 cm/8 "
59-225-23 23 cm/9 "

The new modified structure of a Mouth aires the possibility of the smooth , slide surface of the suture material.
The "careful" Needleholder does not cause notches on the surface of the needles. The needle would not loose her gliding ability.



Straight
59-226-12
12 cm/4 $\frac{3}{4}$ "



Curved
59-227-12
12 cm/4 $\frac{3}{4}$ "



Angled
59-229-12
12 cm/4 $\frac{3}{4}$ "



Straight
59-232-12
12 cm/4 $\frac{3}{4}$ "



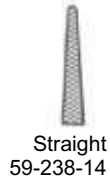
Curved
59-233-12
12 cm/4 $\frac{3}{4}$ "



Angled
59-235-12
12 cm/4 $\frac{3}{4}$ "



Arruga
 14 cm/5½"



Straight
 59-238-14



Curved
 59-239-14



Stevens
 59-242-13 13 cm/5"
 59-242-15 15 cm/6"



Kalt
 59-246-14
 14 cm/5½"



Castroviejo-Kalt
 59-248-13
 13.5 cm/5¼"



Kalt-Arruga
 59-250-14
 14 cm/5½"

Suture Instruments Micro Needle Holders



Straight
59-254-12



Curved
59-255-12



Straight
59-258-12



Curved
59-259-12



Castroviejo
12cm/4³/₄"

Castroviejo
12cm/4³/₄"



Castroviejo
59-262-13
13cm/5"



Boynton
59-266-12
12cm/4³/₄"



Arruga
16cm/6¹/₄"

Straight
59-270-16



Curved
59-271-16





Castroviejo

14cm/5½"
18cm/7"
21cm/8¼"

TC



59-274-14
59-274-18
59-274-21

Smooth



59-278-14
59-278-18
59-278-21



59-275-14
59-275-18
59-275-21



59-279-14
59-279-18
59-279-21



Kalt
14cm/5½"



59-282-14



59-284-14



Barraquer
59-288-14
14cm/5½"



Castroviejo
59-292-13
13cm/5"



Hepp-Schiedel
18cm/7"



59-296-18



59-298-18

Smooth

TC



Arruga
14cm/5½"



Jacobson
59-306-18 18cm/7"
59-306-20 20cm/8"
59-306-23 23cm/8 1/4"



Diethrich

Straight		Curved
59-310-16	16cm/6¼"	59-311-16
59-310-18	18cm/7"	59-311-18
59-310-20	20cm/8"	59-311-20
59-310-23	23cm/9"	59-311-23
59-310-25	25cm/10"	59-311-25



59-314-13



59-315-13

Smooth



Halsey
13cm/5"



59-318-13

Smooth



Webster
13cm/5"



Derf
59-322-12
12cm/4¾"



Derf
59-324-12
12.5cm/5"



Collier
59-326-12
12.5cm/5"



Hegar-Baumgartner
59-330-14
14cm/5½"



Brown
59-334-13 13cm/5"
59-334-18 18cm/7"



New Orleans
59-338-18
18cm/7"



Suture Instruments Needle Holders



Mayo-Hegar

13cm/5"	59-342-13	
14cm/5½"	59-342-14	
16cm/6¼"	59-342-16	
18cm/7"	59-342-18	59-343-16
20cm/8"	59-342-20	59-343-18
24cm/9½"	59-342-24	59-343-20
26cm/10¼"	59-342-26	59-343-24
30cm/12"	59-342-30	59-343-26
		59-343-30



Heaney
59-347-21
21cm/8¼"

Delicate Pattern



Mayo-Hegar
59-350-16 16cm/6 ¼"
59-350-18 18cm/7"
59-350-20 20cm/8"



Heavy Pattern



Hegar
59-354-16 16cm/6¼"
59-354-18 18cm/7"
59-354-20 20cm/8"





M.G.H.
 (Mass.-General-Hospital)
 59-358-17
 17 cm/6¾"



Sarot
 59-362-18 18.5 cm/7 ¼"
 59-362-26 26.0 cm/10 ¼"



Finocchietto
 59-365-27
 27 cm/10½"



Masson
 59-368-27
 27 cm/10½"



Jameson
 59-372-23
 23.5 cm/9¼"



Wangensteen
 59-376-27
 27 cm/10½"



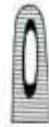
Crile-Wood
59-380-15
15 cm/6"



Crile-Murray
59-384-15
15 cm/6"



Adson
59-388-18
18 cm/7"



Ermold
59-392-17 17 cm/6 ³/₄"
59-392-20 20 cm/8"

Needle holders with scissors



Baby-Olsen-Hegar
11.5 cm/4 1/2"



Smooth
19-06396-11



Olsen-Hegar
59-398-14 14 cm/5 ¹/₂"
59-398-18 18 cm/7"



Olsen-Hegar
59-400-17
17 cm/6 3/4"





Olsen-Hegar
59-404-14
14 cm/5½"



Gillies
59-406-16
16 cm/6¼"



Gillies Slim
59-408-14
14 cm/5½"



Crile
59-412-15
15 cm/6"



Axhausen
59-416-18
18.5 cm/7¼"



Lichtenberg
59-420-20
20 cm/8"



Toennis
59-424-18
18 cm/7"



Mathieu



59-428-14
59-428-17
59-428-20

14cm/5 1/2"
17cm/6 3/4"
20cm/8"



59-430-14
59-430-17
59-430-20



Mathieu



59-434-14 14cm/5 1/2"
59-434-17 17cm/6 3/4"
59-434-20 20cm/8"

Two rings angled

TC



Neivert
59-438-13
13 cm/5"



Neivert
59-440-13
13 cm/5"



Webster
59-444-13
13 cm/5"

Smooth



Derf
59-448-12
12.5 cm/5"



New Orleans
59-452-18
18 cm/7"



Bozemann
59-456-20 20 cm/8"
59-452-24 24 cm/9 1/2"
59-452-26 26 cm/10 1/2"

Suture Instruments Needle Holders with Tungsten Carbide Inserts



Mayo-Hegar

TC



59-460-16
59-460-18
59-460-20
59-460-24
59-460-26
59-460-30

59-461-20
59-461-24
59-461-26

16cm/6¼"
18cm/7"
20cm/8"
24cm/9½"
26cm/10½"
30cm/12"



Hegar-Baumgartner
59-464-14
14cm/5½"



Heavy Pattern

Mayo-Hegar
59-470-20 20cm/8"
59-470-24 24cm/9 ½"



De Bakery

59-474-18
59-474-20
59-474-23
59-474-26
59-474-31

18cm/7"
20cm/8"
23cm/9"
26cm/10¼"
31cm/12¼"



De Bakery-Fine

59-476-18
59-476-20
59-476-23
59-476-26
59-476-31

TC



Baby-Crile-Wood
59-480-15
15cm/6"

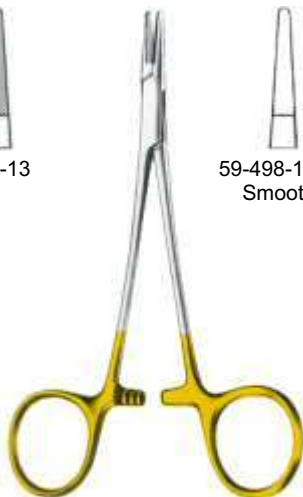


Crile-Wood
15cm/6"



Crile-Wood

	cm	in
59-492-18	18	7"
59-492-20	20	8"
59-492-23	23	9"
59-492-26	26	10 ¹ / ₄ "
59-492-31	31	12 ¹ / ₄ "



Halsey
13cm/5"



Converse
59-502-12
12.5cm/5"



Kilner
59-506-13
13.5cm/5 ¹/₄"

TC



Hegar-Vascular

- 59-510-14 14cm/5 ¹/₂"
- 59-510-18 18cm/7"
- 59-510-20 20cm/8"
- 59-510-23 23cm/9"



Ryder

- 59-514-13
- 59-514-15
- 59-514-18
- 59-514-20
- 59-514-23
- 59-514-26



Micro-Ryder

- | | |
|-----------|---------------------------------------|
| 59-516-13 | 13cm/5" |
| 59-516-15 | 15cm/6" |
| 59-516-18 | 18cm/7" |
| 59-516-20 | 20cm/8" |
| 59-516-23 | 23cm/9" |
| 59-516-26 | 26cm/10 ¹ / ₄ " |



(Swedish Pattern)

- 59-520-15 15cm/6"
- 59-520-17 17cm/6 ³/₄"
- 59-520-20 20cm/8"



Sarot

- 59-524-18 18cm/7"
- 59-524-26 26cm/10 ¹/₄"

TC



Stratte
59-528-23
23cm/9"



Masson
59-532-27
27cm/10½"



Wangenstein
59-534-27
27cm/10½"



Finocchietto
59-537-20 20cm/8"
59-537-27 27cm/10 ½"

Suture Instruments Needle Holders with Tungsten Carbide Inserts

TC



Mathieu

14cm/5½"	59-540-14
17cm/6¾"	59-540-17
20cm8"	59-540-20
24cm/9½"	59-540-24



Mathieu

59-542-14
59-542-17
59-542-20
59-542-24



Mathieu-Ryder

59-544-17
59-544-20



Langenbeck

16cm/6¼"	59-548-16
18cm/7"	59-548-18
20cm/8"	59-548-20



Langenbeck-Ryder

59-550-18
59-550-20



Lichtenberg

59-554-20

TC



Toennis
 59-558-18
 18 cm/7"



Mathieu-Kocher
 59-562-14 14 cm/5 1/2"
 59-562-17 17 cm/6 3/4"
 59-562-20 20 cm/8"



Axhausen
 59-566-18
 18.5 cm/7 1/4"



Zweifel
 59-570-20 20 cm/8"
 59-570-23 23 cm/9"

Suture Instruments Needle Holders with Tungsten Carbide Inserts

TC



59-574-20 20 cm/8"
59-574-25 25 cm/10"



Mathieu
59-578-20 20 cm/8"
59-578-24 24 cm/9 1/2"



Metzenbaum
59-582-17 17 cm/6 3/4"
59-582-20 20 cm/8"



59-586-16



59-587-16



Boynton
59-590-125
12 cm/4 3/4"



Hosel
59-594-20 20 cm/8"
59-594-25 25 cm/10"

Arruga
16 cm/6 1/4"

TC



Baby-Olsen-Hegar
59-598-11
11.5 cm/4½"



Olsen-Hegar
59-600-14
14 cm/5½"



Olsen-Hegar
59-602-17
17 cm/6¾"



Olsen-Hegar
59-604-18
18 cm/7"



Gillies-Slim
59-607-14
14.5 cm/5½"



Gillies
59-609-16
16 cm/6¼"

Suture Instruments Ligature Needles

Left



20 cm/8"



59-612-01



Blunt



59-612-02



59-617-01



Sharp



59-617-02

Deschamps-Standard

Right



20 cm/8"



20 cm/8"



59-622-01



Blunt



59-622-02



59-627-01



Sharp

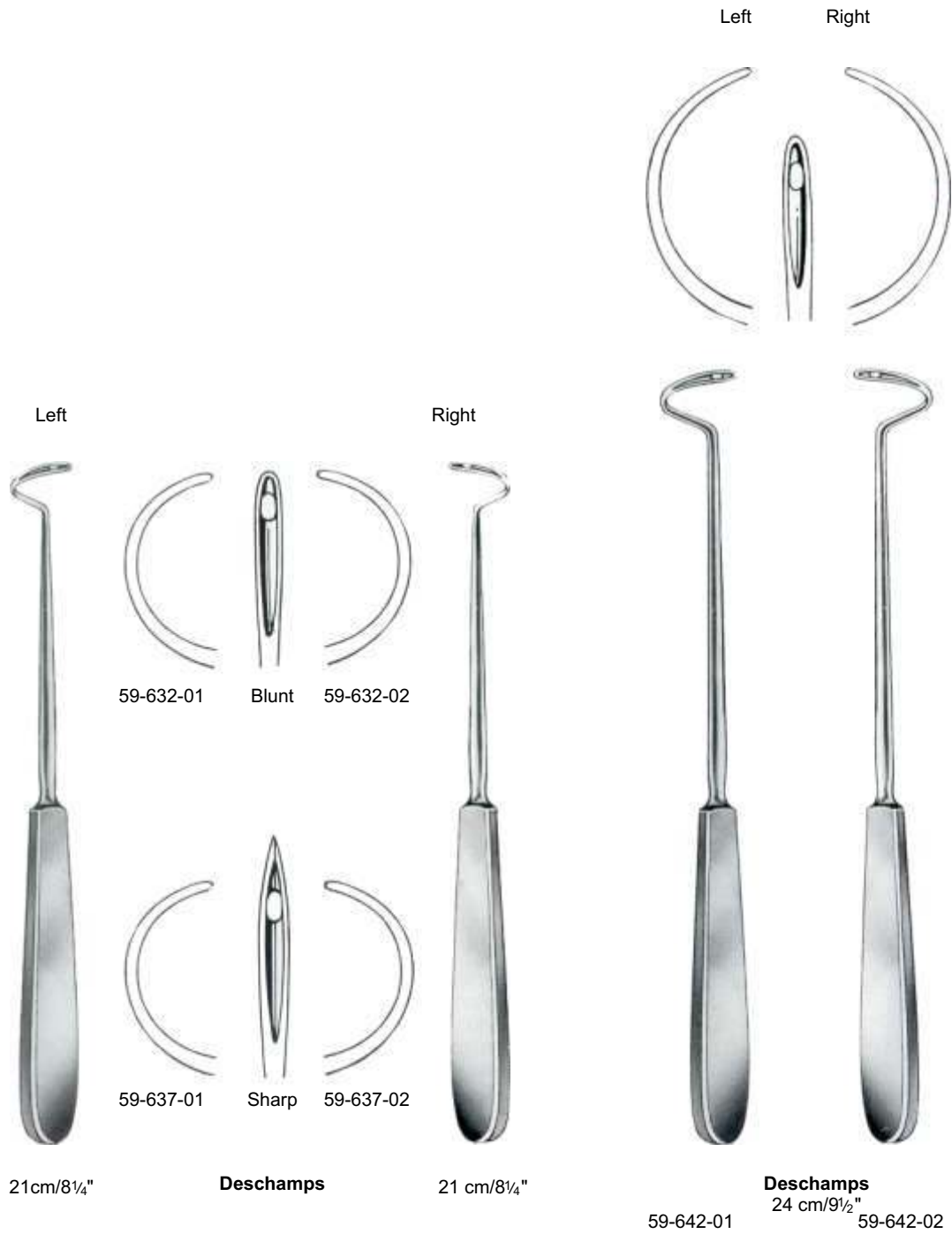


59-627-02

Deschamps

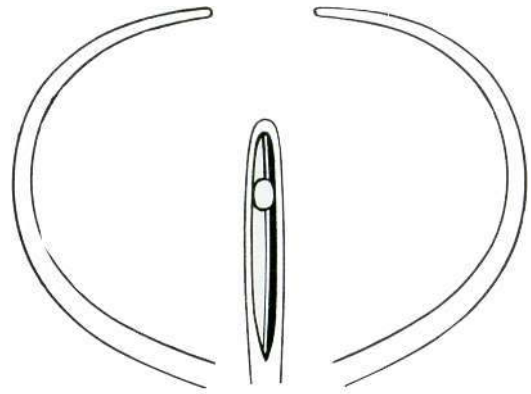


20 cm/8"



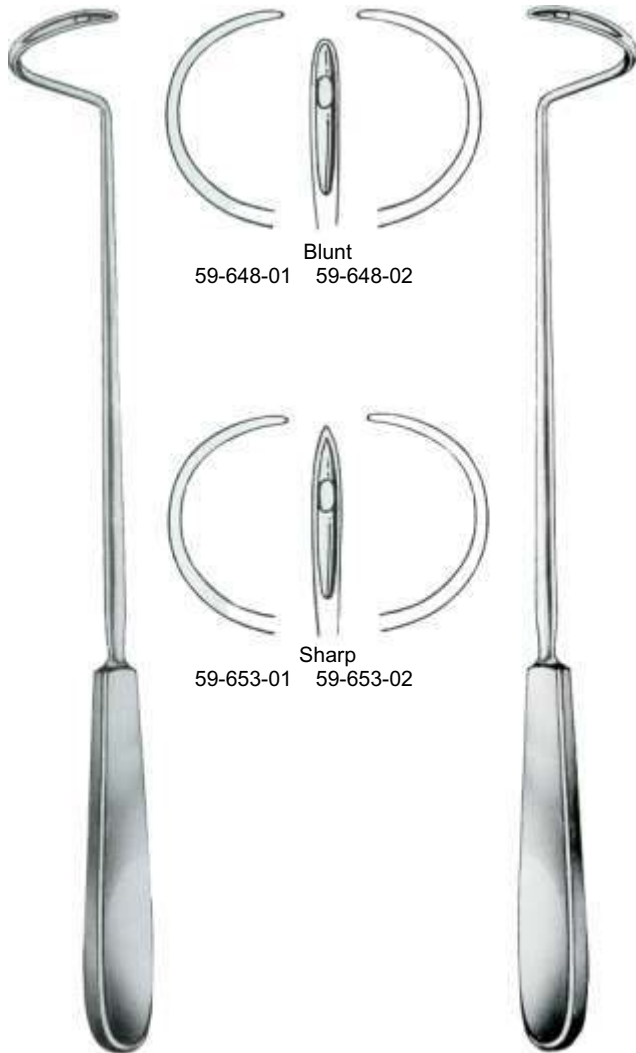
Left

Right



Left

Right



Blunt
59-648-01 59-648-02

Sharp
59-653-01 59-653-02

27 cm/10½"

Deschamps

27 cm/10½"



59-658-01

Deschamps
28 cm/11"

59-658-02



Kocher
19 cm/7½"

59-664-015

59-664-02

59-664-03



Kronecker
13 cm/5"

59-672-01

59-672-02



Dupuy-Weiss
22 cm/8¾"

59-677-01

59-677-02



Durham
21 cm/8¼"

59-685-01

59-685-02



Flexible

Schmieden-Dick
59-690-32
32 cm/12½"



Schmieden
59-694-21
21 cm/8¼"



Flexible

59-698-20
20 cm/8"



Cooper
59-702-19
19 cm/7½"



With 1 needle

Young
59-705-21 21 cm/8 1/4"
59-707-25 25 cm/10"



59-705-01



59-705-02



59-705-03

Spare needle only



Reverdin
14 cm/5 1/2"



Fig. 1
59-711-01



Fig. 2
59-711-02



Fig. 3
59-711-03



Fig. 4
59-711-04

Suture Instruments Ligature Needles



Reverdin
19.5 cm / 7³/₄"



Fig. 1
59-715-01



Fig. 2
59-715-02



Fig. 3
59-715-03



Fig. 4
59-715-04



Reverdin
22.5 cm / 8³/₄"



Fig. 1
59-717-01



Fig. 2
59-717-02



Fig. 3
59-717-03



Fig. 4
59-717-04



Brunner
59-720-25
25 cm/10"



Payr
59-724-22
22 cm/8¾"



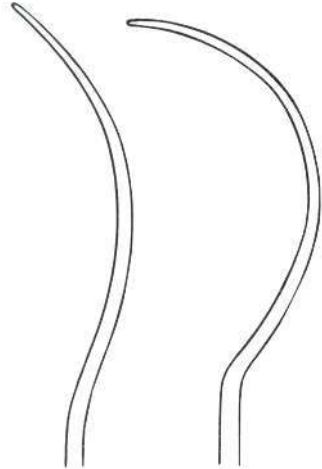
Payr
59-726-22
22 cm/8¾"



Brunner
59-730-24
24.5 cm/9¾"



Brunner
30 cm/12"



59-734-01

59-734-02



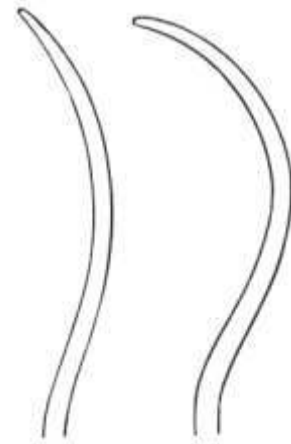
59-734-03



59-734-04



Brunner
30 cm/12"



59-738-01

59-738-02



59-738-03



59-738-04



Kirschner
59-742-25
25.5 cm/10"



59-746-28
28 cm/11"



Brunner-Ferrozell
59-750-18 18 cm/7"
59-750-27 27 cm/10 1/2"



Schmieden-Payr
59-754-19
19 cm/7 1/2"



Schmieden
59-756-19
19 cm/7 1/2"

Suture Instruments Ligature Conductors, Knot Tiers and Ligatures



Konig
59-760-19
19.5 cm/7¾"



Konig
59-762-19
19.5 cm/7¾"



Konig
59-764-20
20 cm/8"



Wien
59-768-23
23.5 cm/9¼"



Bozemann
59-772-21
21 cm/8¼"



59-776-23
23 cm/9"



Michel
59-780-12
12 cm/4¾"



Michel
59-782-12
12 cm/4¾"



Wachenfeldt
59-786-12
12 cm/4¾"



Wachenfeldt
59-788-12
12 cm/4¾"



Wachenfeldt
59-790-13
13 cm/5"



Wachenfeldt
59-792-13
13 cm/5"



Michel
59-796-12
12 cm/4¾"



Michel Modif
59-798-12
12.5 cm/5"



Collin
59-802-13
13 cm/5"



Richter-Heath
59-806-14
14 cm/5½"



Child
59-810-17
17 cm/6¾"



Child
59-812-17
17 cm/6¾"