



STANDARD

13-100-105	10,5 cm / 4 1/8"
13-100-115	11,5 cm / 4 1/2"
13-100-130	13,0 cm / 5"
13-100-145	14,5 cm / 5 3/4"
13-100-160	16,0 cm / 6 1/4"
13-100-180	18,0 cm / 7"
13-100-200	20,0 cm / 8"
13-100-250	25,0 cm / 10"
13-100-300	30,0 cm / 12"



narrow

STANDARD

13-110-115	11,5 cm / 4 1/2"
13-110-130	13,0 cm / 5"
13-110-145	14,5 cm / 5 3/4"
13-110-160	16,0 cm / 6 1/4"
13-110-180	18,0 cm / 7"
13-110-200	20,0 cm / 8"
13-110-250	25,0 cm / 10"
13-110-300	30,0 cm / 12"



MOD. USA

13-130-120	12,0 cm / 4 3/4"
13-130-130	13,0 cm / 5"
13-130-145	14,5 cm / 5 3/4"
13-130-155	15,5 cm / 6"
13-130-180	18,0 cm / 7"
13-130-210	21,0 cm / 8"
13-130-250	25,0 cm / 10"
13-130-310	31,0 cm / 12"



narrow

MOD. USA

13-140-120	12,0 cm / 4 3/4"
13-140-130	13,0 cm / 5"
13-140-145	14,5 cm / 5 3/4"
13-140-155	15,5 cm / 6 1/8"



ADSON

13-150-120	12,0 cm / 4 3/4"
13-150-150	15,0 cm / 6"



MICRO-ADSON

13-152-120	12,0 cm / 4 3/4"
13-152-150	15,0 cm / 6"



MC INDOE

13-156-150 15,0 cm / 6"



SEMKEN

13-158-125 12,5 cm / 5"
13-158-150 15,0 cm / 6"



POTTS-SMITH

13-160-180 18,0 cm / 7"
13-160-210 21,0 cm / 8 1/4"
13-160-250 25,0 cm / 10"



POTTS-SMITH

13-161-180 18,0 cm / 7"
13-161-210 21,0 cm / 8 1/4"
13-161-250 25,0 cm / 10"



BROPHY

13-164-200 20,0 cm / 8"



BROPHY

13-165-200 20,0 cm / 8"



TAYLOR

13-168-175 17,5 cm / 7"



TAYLOR

13-169-175 17,5 cm / 7"

dissector end



CUSHING

13-176-175 17,5 cm / 7"



CUSHING

13-177-175 17,5 cm / 7"



GERALD

13-178-180 18,0 cm / 7"



GERALD

13-179-180 18,0 cm / 7"



english patterns

13-180-125 12,5 cm / 5"
13-180-155 15,5 cm / 6 1/8"



DUEHRSEN

13-184-200 20,0 cm / 8"



RAMSEY

13-186-180 18,0 cm / 7"



1x2



2x3



3x4

STANDARD

13-200-105	10,5 cm / 4 1/8"
13-200-115	11,5 cm / 4 1/2"
13-200-130	13,0 cm / 5"
13-200-145	14,5 cm / 5 3/4"
13-200-160	16,0 cm / 6 1/4"
13-200-180	18,0 cm / 7"
13-200-200	20,0 cm / 8"
13-200-250	25,0 cm / 10"
13-200-300	30,0 cm / 12"

13-210-115	11,5 cm / 4 1/2"
13-210-130	13,0 cm / 5"
13-210-145	14,5 cm / 5 3/4"
13-210-160	16,0 cm / 6 1/4"
13-210-180	18,0 cm / 7"
13-210-200	20,0 cm / 8"
13-210-250	25,0 cm / 10"
13-210-300	30,0 cm / 12"

13-220-130	13,0 cm / 5"
13-220-145	14,5 cm / 5 3/4"
13-220-160	16,0 cm / 6 1/4"



4x5

narrow



1x2



1x2

13-230-130	13,0 cm / 5"
13-230-145	14,5 cm / 5 3/4"
13-230-160	16,0 cm / 6 1/4"

13-240-115	11,5 cm / 4 1/2"
13-240-130	13,0 cm / 5"
13-240-145	14,5 cm / 5 3/4"
13-240-160	16,0 cm / 6 1/4"
13-240-180	18,0 cm / 7"
13-240-200	20,0 cm / 8"

13-241-130	13,0 cm / 5"
13-241-145	14,5 cm / 5 3/4"



USA MODELL

13-250-120	12,0 cm / 4 ³ / ₄ "
13-250-130	13,0 cm / 5"
13-250-140	14,5 cm / 5 ³ / ₄ "
13-250-155	15,5 cm / 6"
13-250-180	18,0 cm / 7"
13-250-210	21,0 cm / 8 ¹ / ₄ "
13-250-250	25,0 cm / 9 ³ / ₄ "
13-250-310	31,0 cm / 12 ¹ / ₄ "



USA MODELL

13-260-130	13,0 cm / 5"
13-260-145	14,5 cm / 5 ³ / ₄ "
13-260-155	15,5 cm / 6"



STILLE

13-270-150	15,0 cm / 6"
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STILLE

13-272-150	15,0 cm / 6"
-------------------	--------------



ADSON

13-280-120	12,0 cm / 4 ³ / ₄ "
13-280-150	15,0 cm / 6"



MIKRO-ADSON

13-282-120	12,0 cm / 4 ³ / ₄ "
13-282-150	15,0 cm / 6"



ADSON

13-284-120	12,0 cm / 4 ³ / ₄ "
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ADSON-BROWN

13-286-120	12,0 cm / 4 ³ / ₄ "
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STONE

13-288-150 15,0 cm / 6"



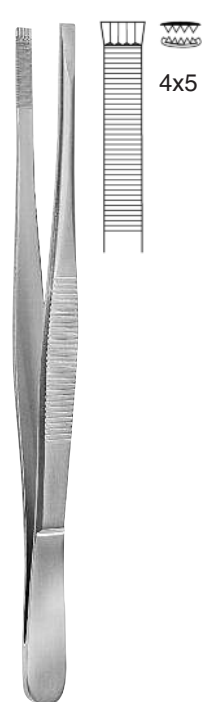
LERCHE

13-290-150 15,0 cm / 6"



ADLERKREUTZ

13-292-150 15,0 cm / 6"
13-292-200 20,0 cm / 8"



ADLERKREUTZ

13-294-150 15,0 cm / 6"
13-294-200 20,0 cm / 8"



GILLIES

13-296-150 15,0 cm / 6"



SEMKEN

13-298-125 12,5 cm / 5"
13-298-150 15,0 cm / 6"



TAYLOR

13-300-175 17,5 cm / 7"



TAYLOR

13-301-175 17,5 cm / 7"



GERALD

13-302-175 17,5 cm / 7"



GERALD

13-303-175 17,5 cm / 7"



CUSHING

13-304-175 17,5 cm / 7"



CUSHING

13-305-175 17,5 cm / 7"



POTTS-SMITH

13-310-180 18,0 cm / 7"

13-310-210 21,0 cm / 8 1/4"

13-310-250 25,0 cm / 10"



POTTS-SMITH

13-311-180 18,0 cm / 7"

13-311-210 21,0 cm / 8 1/4"

13-311-250 25,0 cm / 10"



BROPHY

13-314-200 20,0 cm / 8"



BROPHY

13-315-200 20,0 cm / 8"



WAUGH

13-318-200 20,0 cm / 8"



DUEHRSEN

13-320-200 20,0 cm / 8"



STILLE-BARRAYA

13-322-180 18,0 cm / 7"
13-322-200 20,0 cm / 8"
13-322-250 25,0 cm / 10"



13-326-180



13-328-180



LANE

13-330-145 14,5 cm / 5³/₄"
13-330-175 17,5 cm / 7"

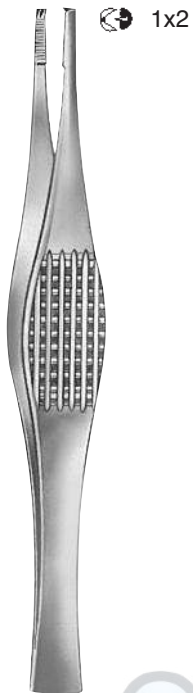


LANE

13-332-145 14,5 cm / 5³/₄"
13-332-175 17,5 cm / 7"

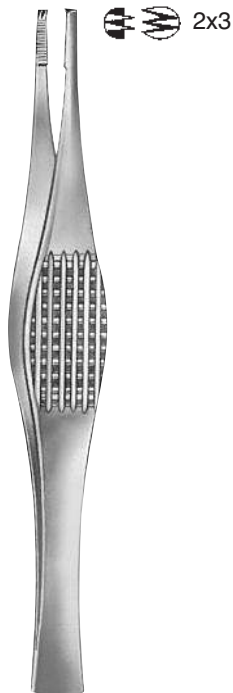
FERRIS-SMITH

13-326-180 - 013-328-180 18,0 cm / 7"



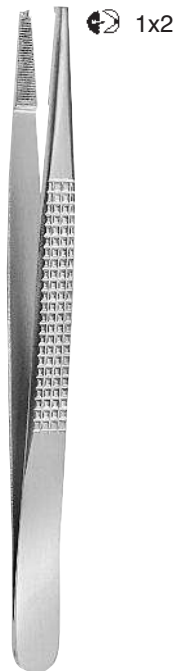
RAMSEY

13-334-180 18,0 cm / 7"



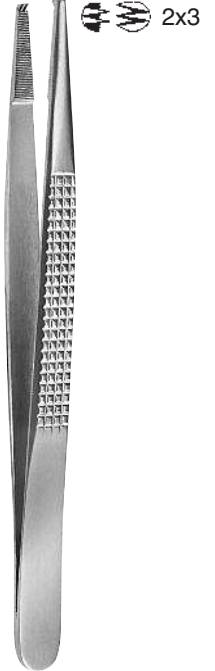
RAMSEY

13-336-180 18,0 cm / 7"



BONNEY

13-338-180 18,0 cm / 7"



BONNEY

13-340-180 18,0 cm / 7"



TREVES

13-342-130 13,0 cm / 5"
13-342-150 15,0 cm / 6"



BROWN

13-344-150 15,0 cm / 6"



DURANTE

13-350-145 14,5 cm / 5³/₄"
13-350-160 16,0 cm / 6¹/₄"
13-350-200 20,0 cm / 8"



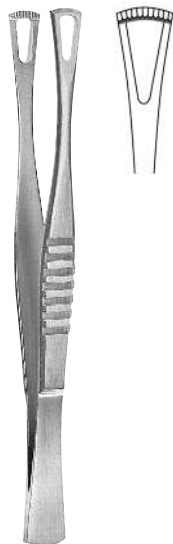
RUSS. MODELL

13-360-150 15,0 cm / 6"
13-360-200 20,0 cm / 8"
13-360-250 25,0 cm / 10"



NELSON

13-400-230 23,0 cm / 9"



DUVAL

13-402-140 14,0 cm / 5 1/2"



COLLIN-DUVAL

13-404-001 - 13-404-003 20,0 cm / 8"



FIG. 1

13-404-001



FIG. 2

13-404-002

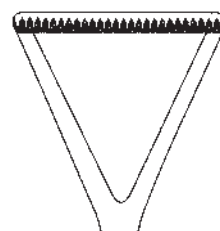


FIG. 3

13-404-003



SINGLEY-TUTTLE

13-406-230 23,0 cm / 9"



DENIS-BROWNE

13-408-200 20,0 cm / 8"



GRAEFE

13-500-100 10,0 cm / 4"



GRAEFE

13-501-100 10,0 cm / 4"



GRAEFE

13-503-100 10,0 cm / 4"



GRAEFE

13-504-100 10,0 cm / 4"



GRAEFE

13-505-100 10,0 cm / 4"



GRAEFE

13-507-100 10,0 cm / 4"



without pin



with pin



13-510-080 8,0 cm / 3 1/4"
13-510-090 9,0 cm / 3 1/2"
13-510-105 10,5 cm / 4 1/8"
13-510-115 11,5 cm / 4 1/2"
13-510-125 12,5 cm / 5"

13-511-080 8,0 cm / 3 1/4"
13-511-090 9,0 cm / 3 1/2"
13-511-105 10,5 cm / 4 1/8"
13-511-115 11,5 cm / 4 1/2"
13-511-125 12,5 cm / 5"

13-512-080 8,0 cm / 3 1/4"
13-512-090 9,0 cm / 3 1/2"
13-512-105 10,5 cm / 4 1/8"
13-512-115 11,5 cm / 4 1/2"
13-512-125 12,5 cm / 5"

13-513-080 8,0 cm / 3 1/4"
13-513-090 9,0 cm / 3 1/2"
13-513-105 10,5 cm / 4 1/8"
13-513-115 11,5 cm / 4 1/2"
13-513-125 12,5 cm / 5"



HUNTER

13-520-105 10,5 cm / 4 1/4"



HUNTER

13-521-105 10,5 cm / 4 1/4"



WALTER-CARMALT

13-522-105 10,5 cm / 4 1/4"



WALTER-CARMALT

13-523-105 10,5 cm / 4 1/4"



13-524-100 10,0 cm / 4"



13-525-100 10,0 cm / 4"



13-526-100 10,0 cm / 4"



FEILCHENFELD

- 13-530-075** 7,5 cm / 3 1/8"
- 13-530-090** 9,0 cm / 3 1/2"
- 13-530-115** 11,5 cm / 4 1/2"



SHAAF

13-550-090 9,0 cm / 3 1/2"



LITTAUER

13-552-085 8,5 cm / 3 1/3"

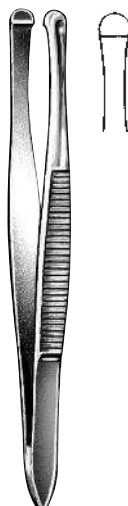


13-554-090 9,0 cm / 3 1/2"



DOUGLAS

13-556-090 9,0 cm / 3 1/2"

**DOUGLAS****13-558-090** 9,0 cm / 3 1/2"**BEER****13-560-090** 9,0 cm / 3 1/2"**BARRAQUER****13-562-105** 10,5 cm / 4 1/4"**FIG. 3****13-600-003** 11,5 cm / 4 3/4"**FIG. 4****13-600-004** 11,0 cm / 4 3/8"**FIG. 5****13-600-005** 11,0 cm / 4 3/8"**FIG. 7****13-600-007** 11,5 cm / 4 3/8"

0,3 mm



9 mm

13-610-001 11,0 cm / 4³/₈"

0,3 mm x 90°



9 mm

13-610-002 11,0 cm / 4³/₈"

0,3 mm x 45°



9 mm

13-610-003 11,0 cm / 4³/₈"

0,3 mm x 45°



9 mm

diamond coated

13-610-004 11,0 cm / 4³/₈"

0,3 mm



9 mm

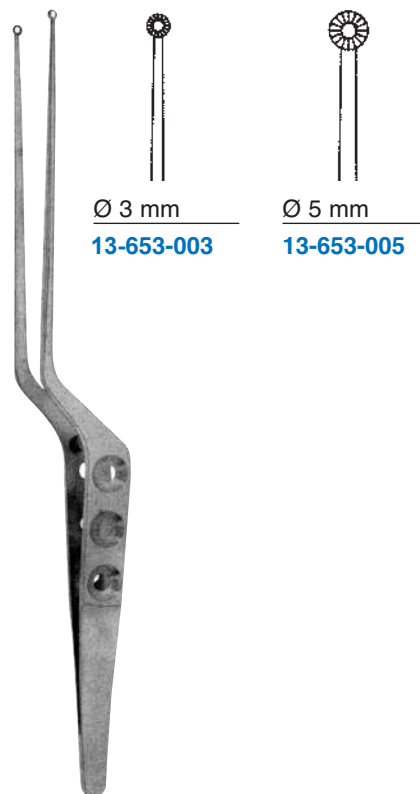
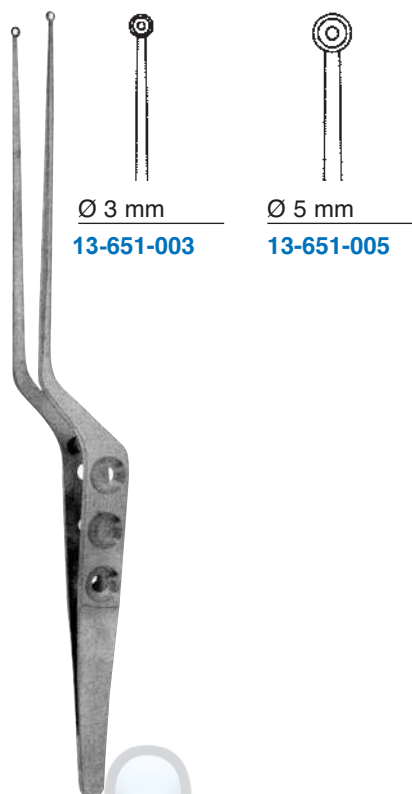
13-620-120 12,0 cm / 4³/₄"

0,3 mm x 45°



9 mm

13-623-135 13,5 cm / 5¹/₄"



YASARGIL

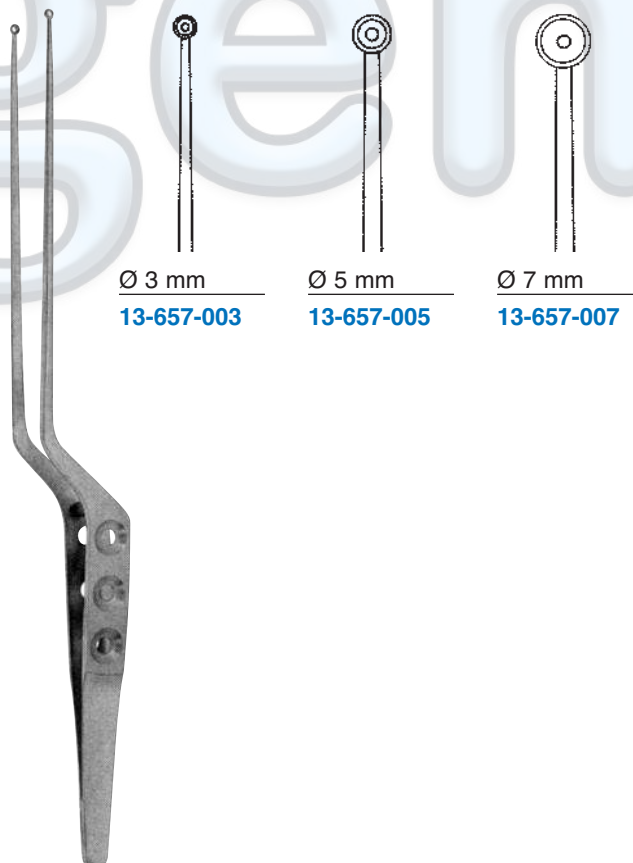
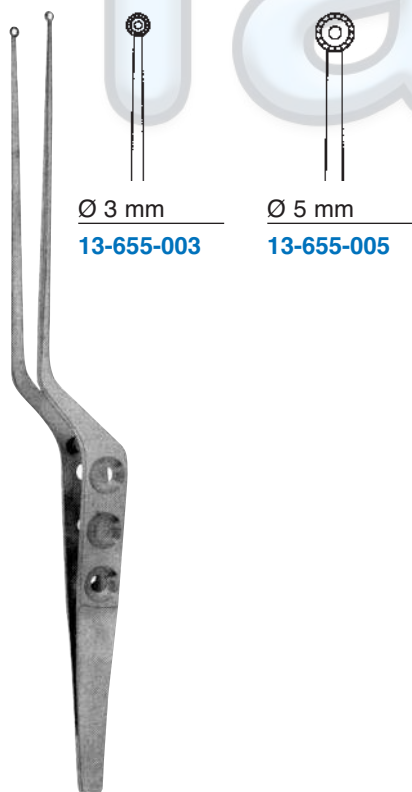
13-651-003 - 13-651-005

22,0 cm / 8³/₄"

YASARGIL

13-653-003 - 13-653-005

22,0 cm / 8³/₄"



HEIFETZ

13-655-003 - 13-655-005

22,0 cm / 8³/₄"

YASARGIL-SAMI

13-657-003 - 13-657-007

24,0 cm / 9¹/₂"



SAMII
13-675-230 23,0 cm / 9"



YASARGIL
13-681-180 18,0 cm / 7"
13-681-200 20,0 cm / 8"
13-681-220 22,0 cm / 8 3/4"
13-681-240 24,5 cm / 9 2/3"



SAMII
13-677-230 23,0 cm / 9"



YASARGIL
13-683-180 18,0 cm / 7"
13-683-200 20,0 cm / 8"
13-683-220 22,0 cm / 8 3/4"
13-683-240 24,5 cm / 9 3/4"



HUNT
13-679-200 20,0 cm / 8"



YASARGIL
13-685-180 18,0 cm / 7"

Micro Suture Tying Forceps

13



13-690-150 15,0 cm / 6"
13-690-180 18,0 cm / 7"
13-690-210 21,0 cm / 8 1/4"



13-691-150 15,0 cm / 6"
13-691-180 18,0 cm / 7"
13-691-210 21,0 cm / 8 1/4"

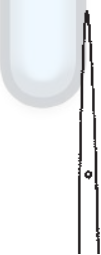


13-692-150 15,0 cm / 6"
13-692-180 18,0 cm / 7"
13-692-210 21,0 cm / 8 1/4"



13-693-150 15,0 cm / 6"
13-693-180 18,0 cm / 7"
13-693-210 21,0 cm / 8 1/4"

Hagen



0,3 mm
13-695-003



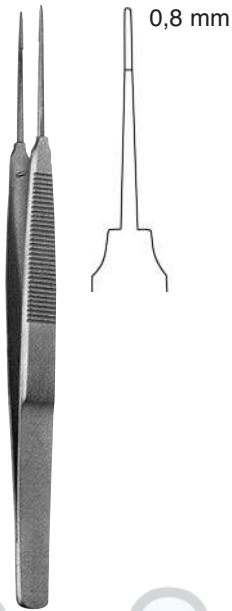
0,6 mm
13-695-006



0,6 mm
13-697-006

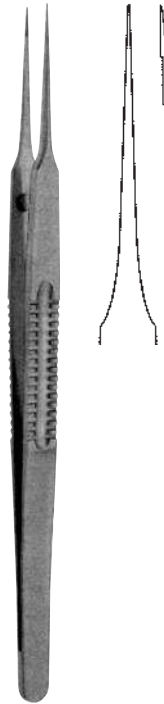
13-695-003 - 13-697-006

18,5 cm / 7 1/4"



AUSTIN

13-698-140 14,0 cm / 5 1/2"



13-700-185 18,5 cm / 7 1/4"



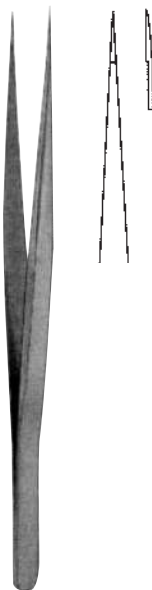
13-702-135



13-703-135

WISE

13-702-135 - 13-703-135 13,5 cm / 5 1/4"



13-704-120 12,0 cm / 4 3/4"



LAZAR

13-706-155 - 13-708-155

0,5 mm

13-706-155

0,8 mm

13-708-155

15,5 cm / 6 1/8"



Serration

0,4 mm

ADSON

13-800-120	12,0 cm / 4 ³ / ₄ "
13-800-150	15,0 cm / 6"

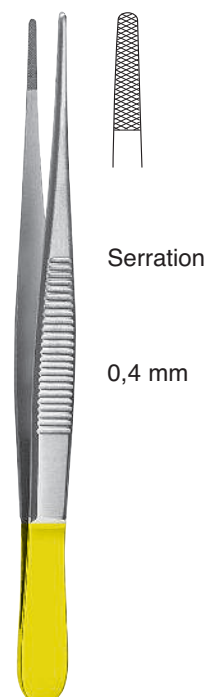


Serration

0,4 mm

MICRO-ADSON

13-802-120	12,0 cm / 4 ³ / ₄ "
13-802-150	15,0 cm / 6"



Serration

0,4 mm

STANDARD

13-810-145	14,5 cm / 5 ³ / ₄ "
13-810-160	16,0 cm / 6 ¹ / ₄ "
13-810-180	18,0 cm / 7"
13-810-200	20,0 cm / 8"
13-810-250	25,0 cm / 10"



013-820-175

Serration

0,4 mm



013-821-175

Serration

0,4 mm



Serration

0,4 mm

CUSHING

13-820-175 - 13-821-175	17,5 cm / 7"
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CUSHING-TAYLOR

13-823-180	18,0 cm / 7"
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Serration

0,4 mm



Serration

0,4 mm



Serration

0,4 mm



Serration

0,5 mm

POTTS-SMITH

13-840-150	15,0 cm / 6"
13-840-180	18,0 cm / 7"
13-840-200	20,0 cm / 8"
13-840-230	23,0 cm / 9"
13-840-250	25,0 cm / 10"

SEMKEN

13-850-150	15,0 cm / 6"
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MC INDOE

13-860-150	15,0 cm / 6"
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WANGENSTEEN

13-880-150	15,0 cm / 6"
13-880-230	23,0 cm / 9"
13-880-250	25,0 cm / 10"



Serration

0,4 mm



Serration

0,4 mm



Serration

0,4 mm

ADSON

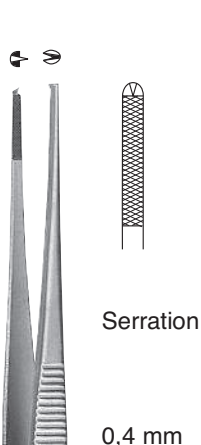
13-900-120	12,0 cm / 4 3/4"
13-900-150	15,0 cm / 6"

MICRO-ADSON

13-902-120	12,0 cm / 4 3/4"
13-902-150	15,0 cm / 6"

ADSON-BROWN

13-905-120	12,0 cm / 4 3/4"
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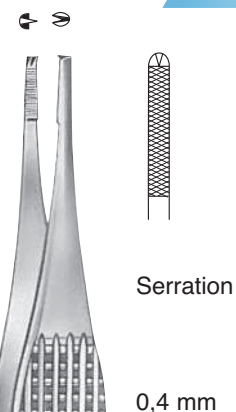
OEHLER

13-910-140	14,0 cm / 5 1/2"
13-910-160	16,0 cm / 6 1/4"
13-910-180	18,0 cm / 7"
13-910-200	20,0 cm / 8"
13-910-250	25,0 cm / 10"
13-910-300	30,0 cm / 12"



BONNEY

13-920-180	18,0 cm / 7"
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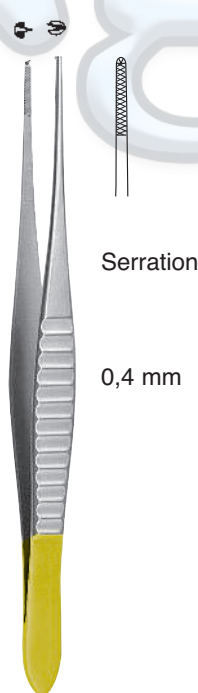
FERRIS-SMITH

13-930-180	18,0 cm / 7"
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SEMKEN

13-950-150	15,0 cm / 6"
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GILLIES

13-960-150	15,0 cm / 6"
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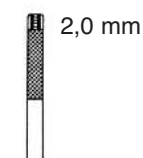


DEBAKEY

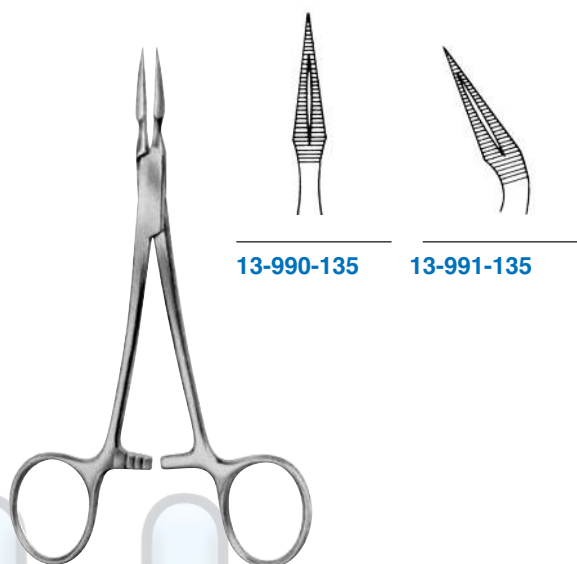
13-980-150 - 013-982-150	15,0 cm / 6"
13-980-190 - 013-982-190	19,0 cm / 7 1/2"
13-980-240 - 013-982-240	24,0 cm / 9 1/2"



13-980-150
13-980-190
13-980-240



13-982-150
13-982-190
13-982-240



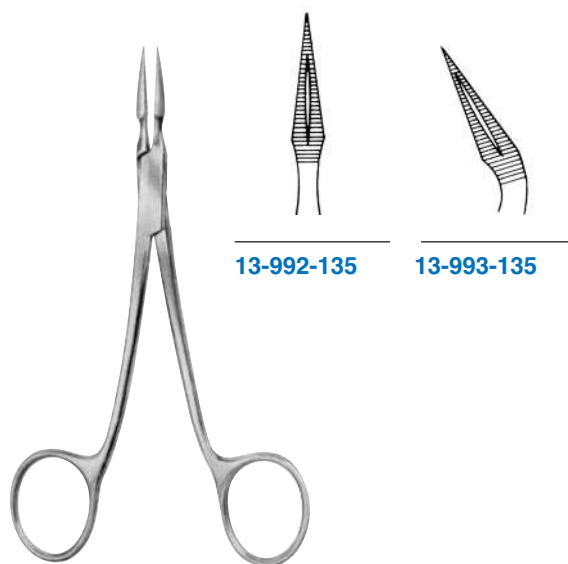
13-990-135

13-991-135

STIEGLITZ

13-990-135 - 013-991-135

13,5 cm / 5 1/4"



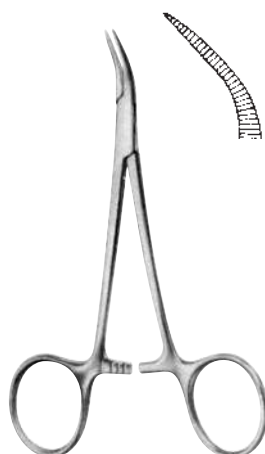
13-992-135

13-993-135

STIEGLITZ

13-992-135 - 013-993-135

13,5 cm / 5 1/4"



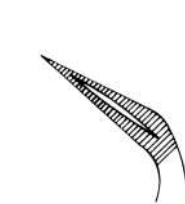
PEET

13-995-115 11,5 cm / 4 1/2"



RALK (VIRTUS)

13-998-150 - 013-999-150



13-998-150

13-999-150

15,0 cm / 6"