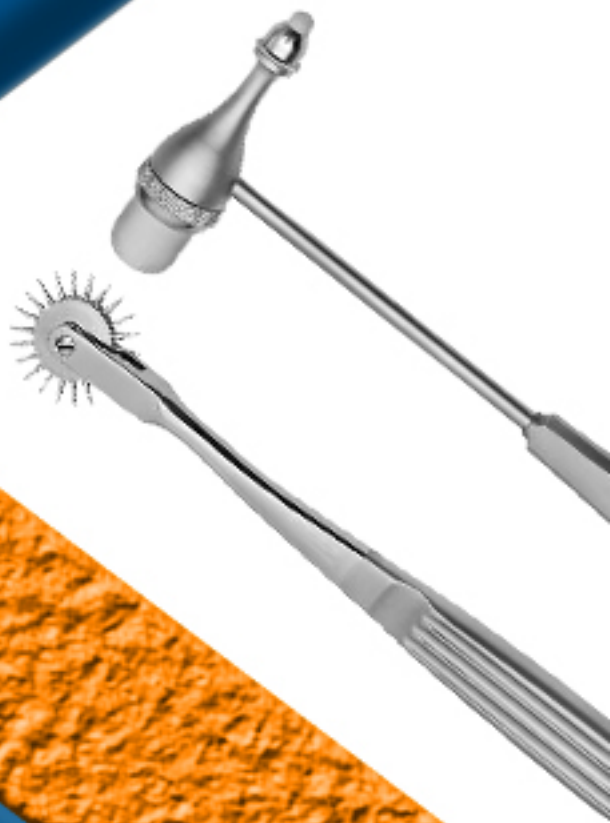
mersa
TIBBİ ALETLER

100



ANESTEZİ ve MUAYENE
ANESTHESIA AND INSPECTION



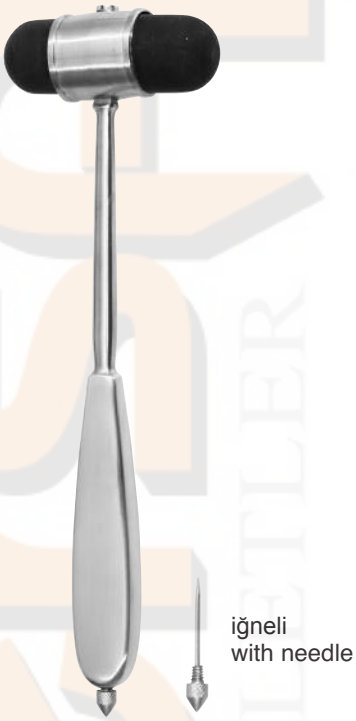
TROEMMER

MS 100-101 24,0 cm / 9½”



DEJERINE

MS 100-102 20,0 cm / 8”



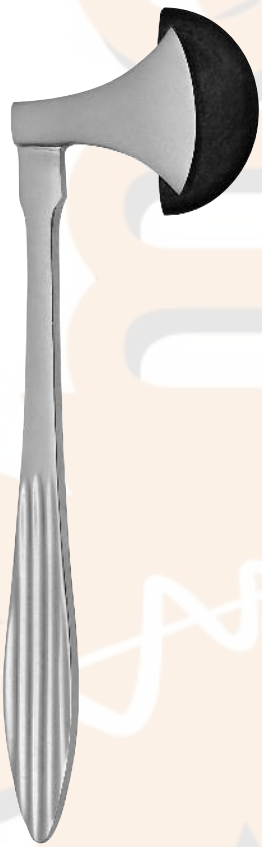
DEJERINE

MS 100-103 21,0 cm / 8¼”



TAYLOR

MS 100-104 18,0 cm / 7”
MS 100-105 20,0 cm / 8”



BERLINER

MS 100-106 17,0 cm / 6¾”
MS 100-107 20,0 cm / 8”



BABINSKI

MS 100-108 22,0 cm / 8¾”



iğneli
with needle

BABINSKI

MS 100-109 22,0 cm / 8¾”



iğneli
with needle

RABINER

MS 100-110 23,0 cm / 9”



iğneli ve fırçalı
with needle and pencil

BUCK

MS 100-111 18,0 cm / 7”



teleskop sap
telescope handle

iğneli ve fırçalı
with needle and pencil

BUCK

MS 100-112 18,0 cm / 7”



WARTENBERG

MS 100-120 19,0 cm / 7½”



ahşap
wooden

PINARD

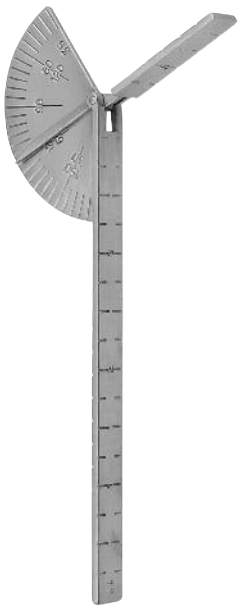
MS 100-125 18,0 cm / 7”



alüminyum
aluminium

PINARD

MS 100-126 15,0 cm / 6”



CAROLL

MS 100-130 14,0 cm / 5½”

yetişknler için kilogram ölçekli
with kilogram scale for adults



MOELTGEN

MS 100-131 23,0 cm / 9”



BERTILLON

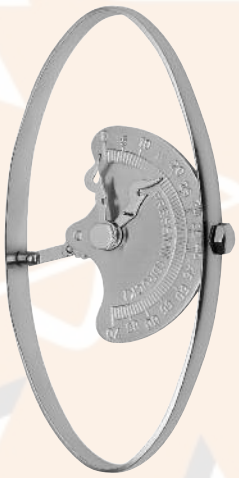
MS 100-132 32,0 cm / 12⅓”

yetişkinler için lbs ölçekli
with lbs scale for adults



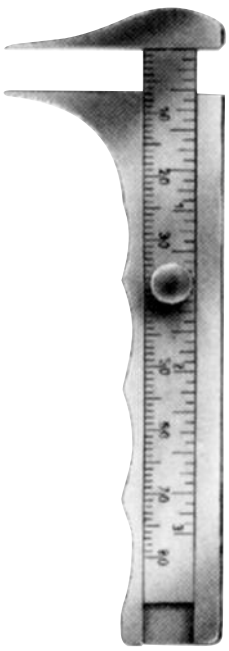
COLLIN

MS 100-133 11,0 cm / 4⅜”



COLLIN

MS 100-134 11,0 cm / 4⅜”



JAMESON

MS 100-135

mm ve inç dereceli
graduated in mm and inches



ALÜMİNYUM

MS 100-136

mm ve inç dereceli 200 mm kadar
graduated in mm and inches
measuring range up to 200 mm



MS 100-137	150 mm
MS 100-138	200 mm
MS 100-139	300 mm
MS 100-140	500 mm



MS 100-141	500 mm



OTOSKOP BESTECK

MS 100-150

Otoskop seti içindekiler:

1 pil kolu C tipi (pilsiz)
Halojen ampul 2,5 V ile 1 otoskop baş
1 adet yeniden kulak speculum ø 2,0 mm, 3,0 mm, 4, mm ve Siyah 5,0 mm
3 Her tek kullanımlık kulak spekulum ø 2,0 mm ve 4,0 mm, mavi Işlemleri 4 x 1 büyütme merceği
1 yedek ampul, halojen, 2,5 V

Otoscope Set complete in case consisting of:

1 battery handle type C (without batteries)
1 otoscope head with halogen bulb 2,5 V
1 each reusable ear specula ø 2,0 mm, 3,0 mm, 4,0 mm and 5,0 mm black
3 each disposable ear specula ø 2,0 mm and 4,0 mm, blue 1 magnifying lens for operations 4 x
1 spare bulb, halogen, 2,5 V



OPHTHALMOSKOP-BESTECK

MS 100-151

Oftalmaskop seti içindekiler:

1 pil kolu Tip C (pilsiz)
1 oftalmoskop ile Halojen ampul 2,5 V 1 büyüteç,5x
1 yedek ampul, halojen 2,5 V

Ophthalmoscope Set complete in case consisting of:

1 battery handleType C (without batteries)
1 ophthalmoscope with halogen bulb 2,5 V
1 magnifying lens, 5x
1 spare bulb, halogen 2,5 V



KOMBINATIONS-BESTECK

MS 100-152

1 pil kolu Tip C (pilsiz)
1 oftalmoskop ile Halojen ampul 2,5 V
1 otoskop baş ile Halojen ampul 2,5 V
1 adet kulak speculum ø 2,0 mm, 3,0 mm,
4,0 mm ve 5,0 mm, siyah
3 her biri tek kullanımlık kulak spekulum ø 2,0 mm ve 4,0 mm, mavi
1 büyütme merceği operasyon için, 4x
2 adet yedek ampul,halojen 2,5 V

1 battery handly (without batteries)
1 ophtalmoscope with halogen bulb 2,5 V
1 otoscope head with halogen bulb 2,5 V
1 each reusable ear specula ø 2,0 mm, 3,0 mm, 4,0 mm
and 5,0 mm, black
3 each disposable ear specula ø 2,0 mm and 4,0 mm, blue 1 magnifying
lens for operations, 4 x
2 spare bulb, halogen 2,5 V



100'lü paket
Package of 100 pcs.

MS 100-153	Ø 2,0 mm	ear/kulak
MS 100-154	Ø 3,0 mm	ear/kulak
MS 100-155	Ø 4,0 mm	ear/kulak
MS 100-156	Ø 5,0 mm	ear/kulak
MS 100-157	Ø 9,0 mm	nose/burun

blue / mavi — disposable / tek kullanımlık



100'lü paket
Package of 100 pcs.

MS 100-158	Ø 2,0 mm	ear/kulak
MS 100-159	Ø 3,0 mm	ear/kulak
MS 100-160	Ø 4,0 mm	ear/kulak
MS 100-161	Ø 5,0 mm	ear/kulak
MS 100-162	Ø 9,0 mm	nose/burun

black / siyah — reusable / tekrar kullanılır



MS 100-163

6'lı paket
Package of 6 pcs.



MS 100-166 2,5 V

Otoskop için yedek ampul, halojen
Spare bulb, halogen for otoscope

6'lı paket
Package of 6 pcs.



MS 100-167 2,5 V

Yedek ampul, oftalmoskop için halojen
Spare bulb, halogen for ophthalmoscope



MS 100-164

Otosope baş ile Halojen ampul 2,5 V
Otosope head with halogen bulb 2,5 V



MS 100-165

Oftalmoskop baş ile Halojen ampul 2,5 V
Ophthalmoscope head with halogen bulb 2,5 V



ZIEGLER

MS 100-180 Ø 90 mm

kafa bandı siyah plastik ile alın aynası
Head mirror with black plastic head band

ZIEGLER

MS 100-181 Ø 90 mm

kafa bandı beyaz plastik ile alın aynası
Head mirror with white plastic head band



ZIEGLER

MS 100-182 Ø 90 mm



ZIEGLER

MS 100-183 siyah / black

MS 100-184 beyaz / white

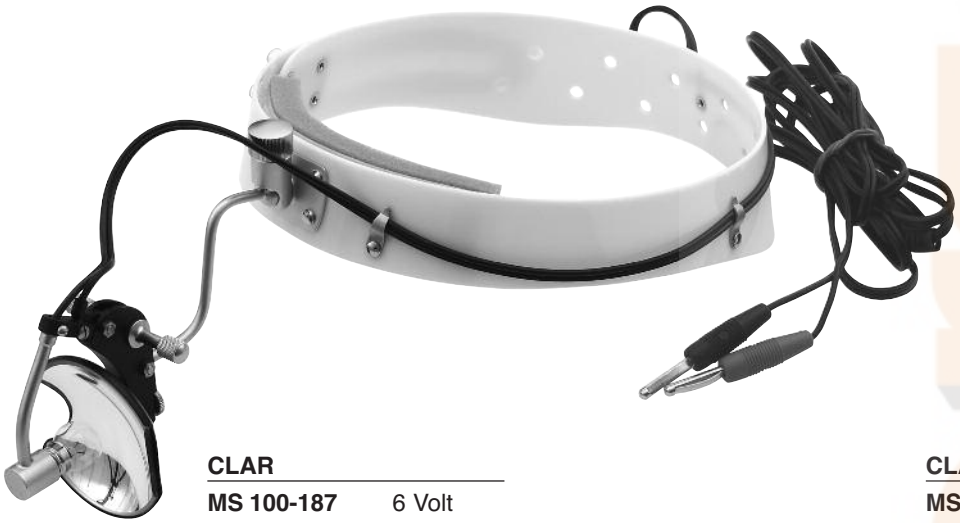


MS 100-186

Kafa bandı için yedek sünger
Spare foam rubber pad for head band

MS 100-185

beyaz selüloit
white celluloid



CLAR
MS 100-187 6 Volt



soketli
with socket

CLAR
MS 100-188 Ø 55 mm

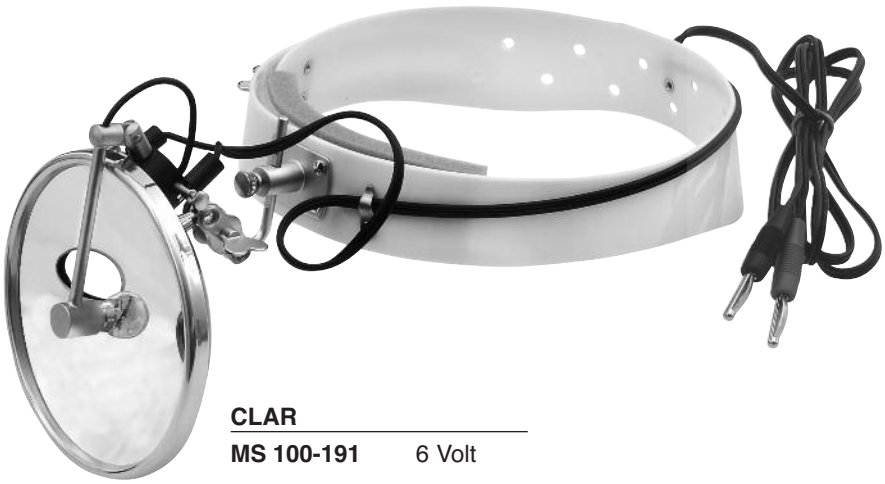


MS 100-189

beyaz selüloit
white celluloid

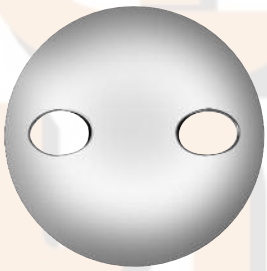


MS 100-190 6 Volt



CLAR

MS 100-191 6 Volt



yalnız ayna
mirror, only

CLAR

MS 100-192 Ø 100 mm

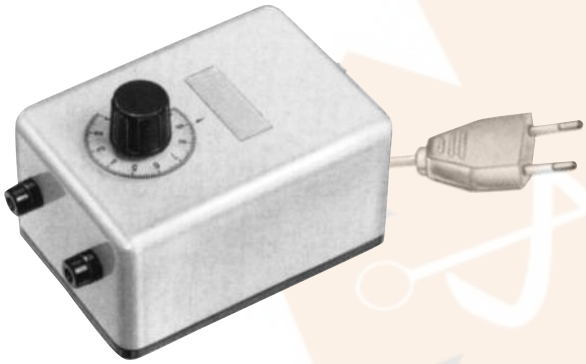


MS 100-193

beyaz selüloit
white celluloid

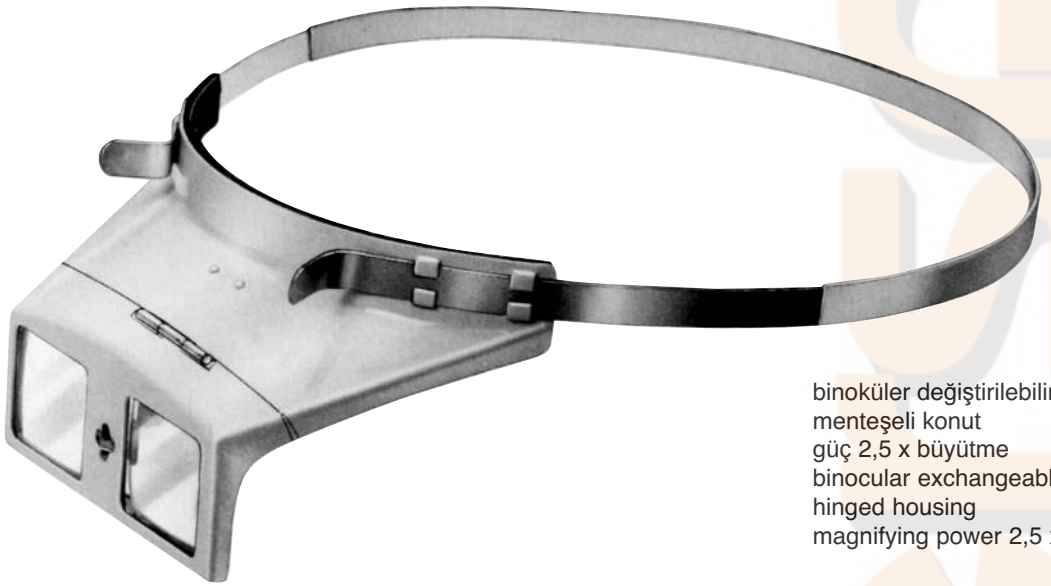


MS 100-190 6 Volt



MS 100-194

devamlı ayarlanabilen 0-10 volt
continously adjustable 0-10 volt

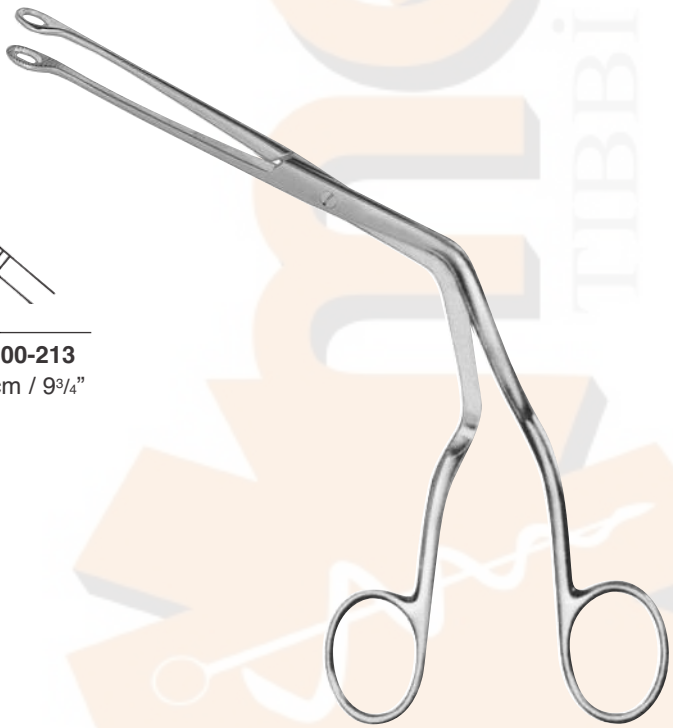


binoküler değiştirilebilir lensler.
menteşeli konut
güç 2,5 x büyütme
binocular exchangeable lenses.
hinged housing
magnifying power 2,5 x x

BERGER
MS 100-195



	dürbün, serbest çalışma mesafesi büyütme gücü binocular, free working distance	güç büyütme magnifying power
BERGER		
MS 100-196	220 mm = 4,0 Diop.	1,5 x
MS 100-197	170 mm = 5,5 Diop.	2,0 x
MS 100-198	130 mm = 7,0 Diop.	2,5 x
MS 100-199	100 mm = 8,5 Diop.	3,0 x



MAGILL



MS 100-211
17,0 cm / 6¾”



MS 100-213
25,0cm / 9¾”



MS 100-210
15,0 cm /6”



MS 100-212
20,0 cm / 8”



MILLER-BABY

MS 100-230

pil kolu (piller hariç) ile ve iki laringaskop blade 0 ve 1 nu.

with battery handle (without batteries) and two laryngoscope blades fig. 0 and 1, complete, in case

MILLER

MS 100-231

pil kolu (piller hariç) ile ve üç laringaskop blade 1 ve 3 nu.

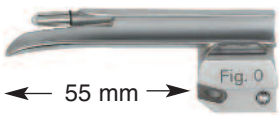
with battery handle (without batteries) and three laryngoscope blades fig. 1 to 3, complete, in case

MILLER

MS 100-232

pil kolu (piller hariç) ile ve dört laringaskop blade 1 ve 4 nu.

with battery handle (without batteries) and four laryngoscope blades fig. 1 to 4, complete, in case



MILLER

MS 100-233

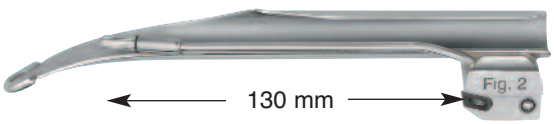
Fig.0
bebekler için
for babies



MILLER

MS 100-234

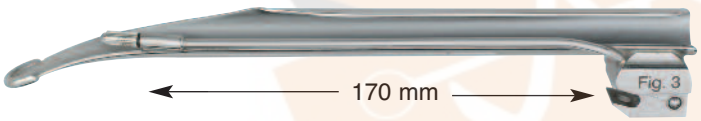
Fig.1
çocuklar için
for children



MILLER

MS 100-235

Fig.2
genç için
for adolescent



MILLER

MS 100-236

Fig.3
kadınlar için
for women



MILLER

MS 100-237

Fig.4
erkekler için
for men



GUEDEL-NEGUS

MS 100-238

pil kolu (piller hariç) ile ve üç laringaskop blade 2 ve 4 nu.

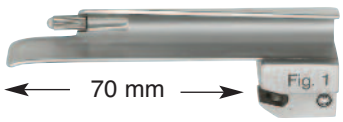
with battery handle (without batteries) and three laryngoscope blades fig. 2 to 4, complete, in case

GUEDEL-NEGUS

MS 100-239

pil kolu (piller hariç) ile ve dört laringaskop blade 1 ve 4 nu.

with battery handle (without batteries) and four laryngoscope blades fig. 1 to 4, complete, in case



MS 100-240

Fig.1
çocuklar için
for children



MS 100-241

Fig.2
genç için
for adolescent



MS 100-242

Fig.3
kadınlar için
for women



MS 100-243

Fig.4
erkekler için
for men



MC INTOSH

MS 100-244

pil kolu (piller hariç) ile ve üç laringaskop blade 1 ve 3 nu.

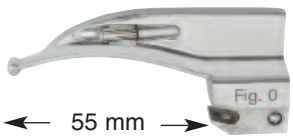
with battery handle (without batteries) and three laryngoscope blades fig. 1 to 3, complete, in case

MC INTOSH

MS 100-245

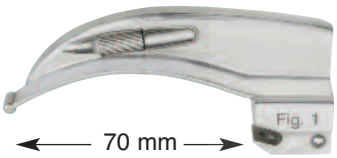
pil kolu (piller hariç) ile ve dört laringaskop blade 1 ve 4 nu.

with battery handle (without batteries) and four laryngoscope blades fig. 1 to 4, complete, in case



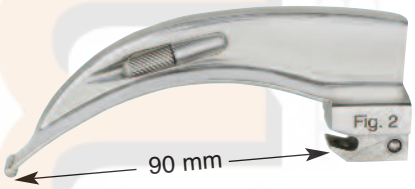
MS 100-246

Fig.0
bebekler için
for babies



MS 100-247

Fig.1
çocuklar için
for children



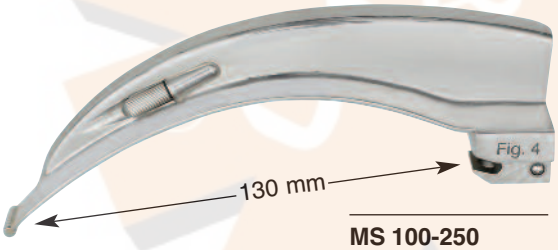
MS 100-248

Fig.2
genç için
for adolescent



MS 100-249

Fig.3
kadınlar için
for women



MS 100-250

Fig.4
erkekler için
for men



FOREGGER

MS 100-251

pil kolu (piller hariç) ile ve üç laringaskop blade 1 ve 3 nu.

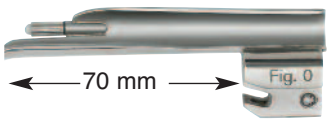
with battery handle (without batteries) and three laryngoscope blades fig. 1 to 3, complete, in case

FOREGGER

MS 100-252

pil kolu (piller hariç) ile ve dört laringaskop blade 0 ve 3 nu.

with battery handle (without batteries) and four laryngoscope blades fig. 0 to 3, complete, in case



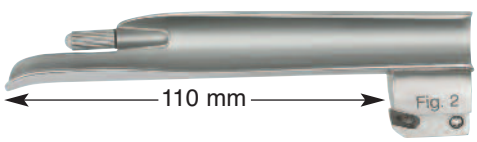
MS 100-253

Fig.0
çocuklar için
for children



MS 100-254

Fig.1
genç için
for adolescent



MS 100-255

Fig.2
kadınlar için
for women



MS 100-256

Fig.3
erkekler için
for men



MS 100-257



MS 100-258



MS 100-259



MS 100-260 2,5V

Yedek Ampül küçük, 0 ve 1 nu.

Spare Bulb small,
for blades fig. 0 to 1



MS 100-261 2,5 V

Yedek Ampül büyük, 2 ve 4 nu.

Spare Bulb large, for
blades fig. 2 to 4



ayarlanabilir
adjustable

MS 100-262 Fig. 2 – 4



Laringoskop fiber optik Set
Laryngoscope Sets fiber optic

MILLER

MS 100-263

pil kolu (piller hariç) ile ve üç laringaskop blade 1 ve 3 nu.

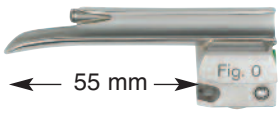
with battery handle (without batteries) and three laryngoscope blades fig. 1 to 3, complete, in case

MILLER

MS 100-264

pil kolu (piller hariç) ile ve dört laringaskop blade 1 ve 4 nu.

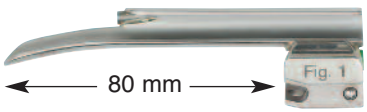
with battery handle (without batteries) and four laryngoscope blades fig. 1 to 4, complete, in case



MILLER

MS 100-265

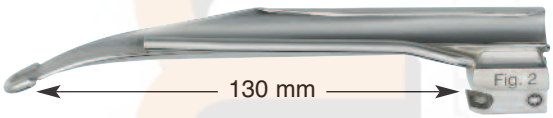
Fig.0



MILLER

MS 100-266

Fig.1



MILLER

MS 100-267

Fig.2



MILLER

MS 100-268

Fig.3



MILLER

MS 100-269

Fig.4

Laringoskop fiber optik Set
Laryngoscope Sets fiber optic

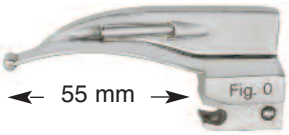


MCINTOSH
MS 100-270
pil kolu (piller hariç) ile ve üç laringaskop blade 1 ve 3 nu.

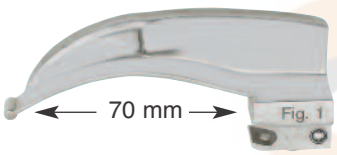
with battery handle (without batteries) and three laryngoscope blades fig. 1 to 3, complete, in case

MCINTOSH
MS 100-271
pil kolu (piller hariç) ile ve dört laringaskop blade 1 ve 4 nu.

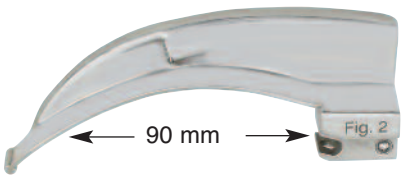
with battery handle (without batteries) and four laryngoscope blades fig. 1 to 4, complete, in case



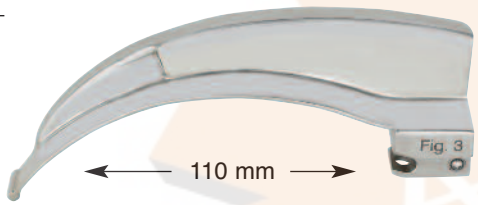
MCINTOSH
MS 100-272
Fig.0



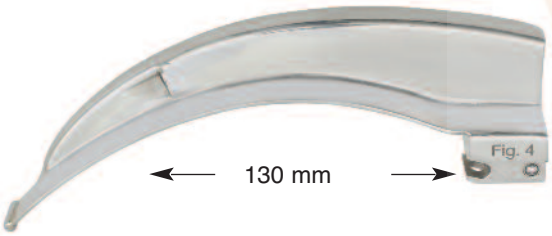
MCINTOSH
MS 100-273
Fig.1



MCINTOSH
MS 100-274
Fig.2



MCINTOSH
MS 100-275
Fig.3



MCINTOSH
MS 100-276
Fig.4

Laringoskop fiber optik Set
Laryngoscope Sets fiber optic



FOREGGER
MS 100-277

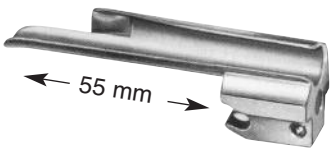
pil kolu (piller hariç) ile ve üç laringaskop blade 2 ve 4 nu.

with battery handle (without batteries) and three laryngoscope blades fig. 2 to 4, complete, in case

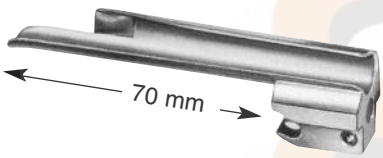
FOREGGER
MS 100-278

pil kolu (piller hariç) ile ve fört laringaskop blade 1 ve 4 nu.

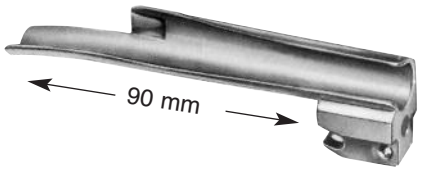
with battery handle (without batteries) and four laryngoscope blades fig. 1 to 4, complete, in case



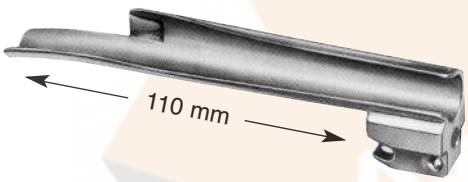
FOREGGER
MS 100-279
Fig.0



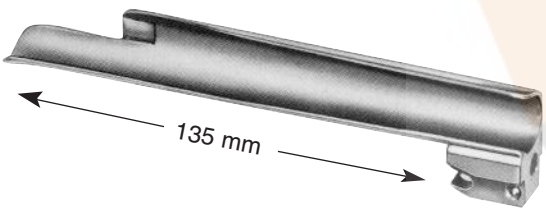
FOREGGER
MS 100-280
Fig.1



FOREGGER
MS 100-281
Fig.2



FOREGGER
MS 100-282
Fig.3



FOREGGER
MS 100-283
Fig.4



MS 100-284

Halojen ampul ve yeşil halka ile
Pil kolu (pilsiz)

Battery handle (without batteries)
with halogen bulb and green ring



MS 100-285

Halojen ampul ve yeşil halka ile
Pil kolu (pilsiz)

Battery handle (without batteries)
with halogen bulb and green ring



MS 100-286

Yedek ampul

Spare Bulb

Kripton 2,5 V



MS 100-287

Yedek ampul

Spare Bulb

Xenon 2,5 V



MS 100-288

Yedek ampul

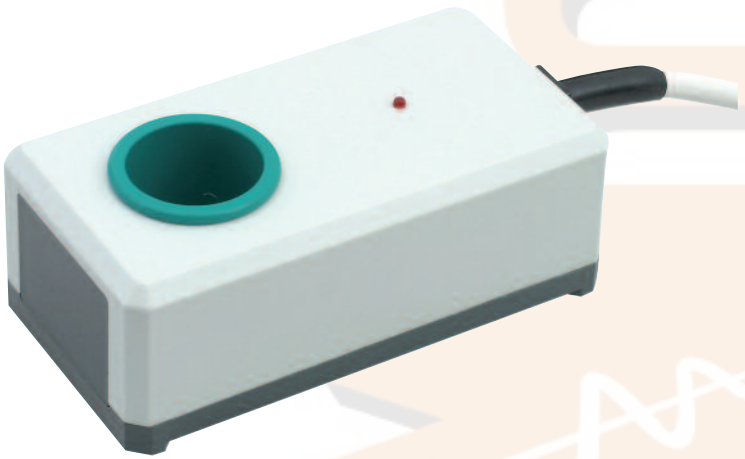
Spare Bulb

Halojen 2,5 V



MS 100-289

LED-aydınlatmalı fiber optik Saplı
Fiber optic Handle with LED-illumination



MS 100-290 220 V

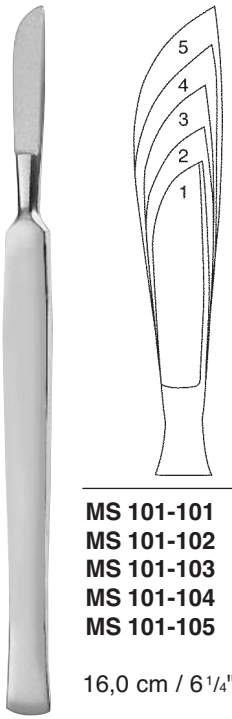
Fiber optik şarj istasyonu MS 100-289 için
Charging station for Fiberoptic handle MS 100-289

mersa
TIBBİ ALETLER

101

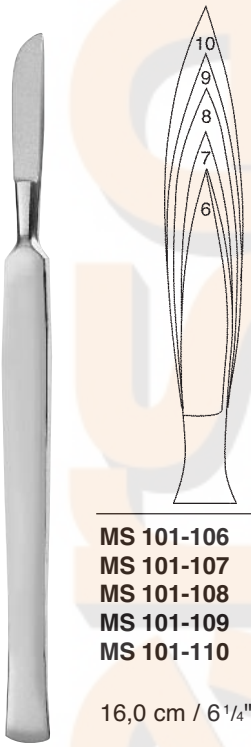


BİSTÜRİ ve BIÇAKLAR
SCALPELS AND KNIVES



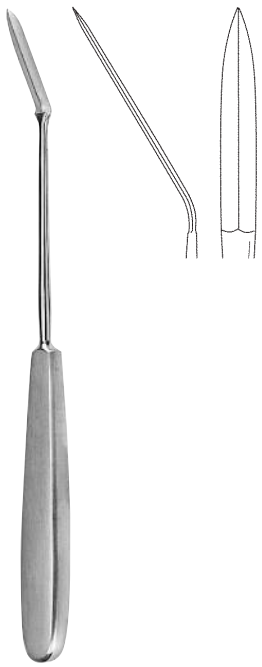
MS 101-101	Fig. 1
MS 101-102	Fig. 2
MS 101-103	Fig. 3
MS 101-104	Fig. 4
MS 101-105	Fig. 5

16,0 cm / 6 1/4"



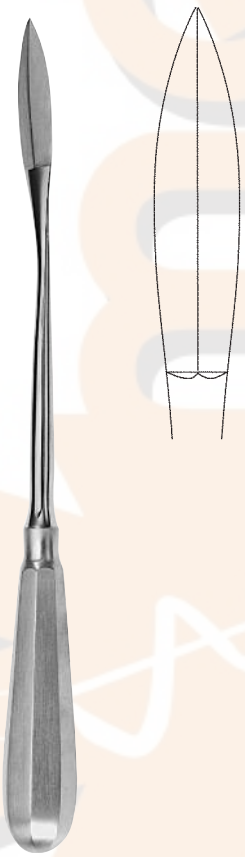
MS 101-106	Fig. 6
MS 101-107	Fig. 7
MS 101-108	Fig. 8
MS 101-109	Fig. 9
MS 101-110	Fig. 10

16,0 cm / 6 1/4"



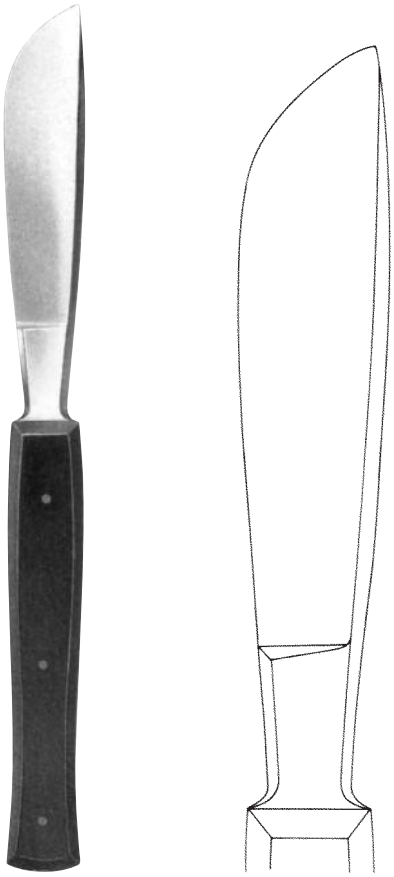
AYRE

MS 101-111 23,5 cm / 9 1/4"



SEGOND

MS 101-112 27,0 cm / 10 1/2"

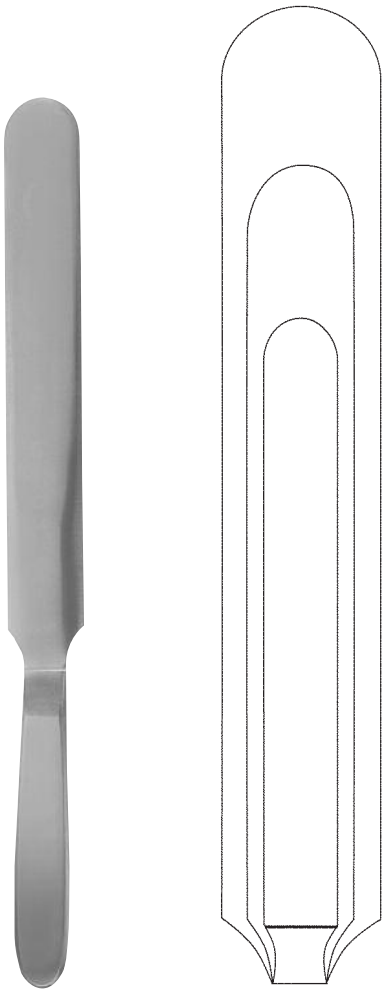


VIRCHOW

MS 101-113 21,0 cm / 8¼"

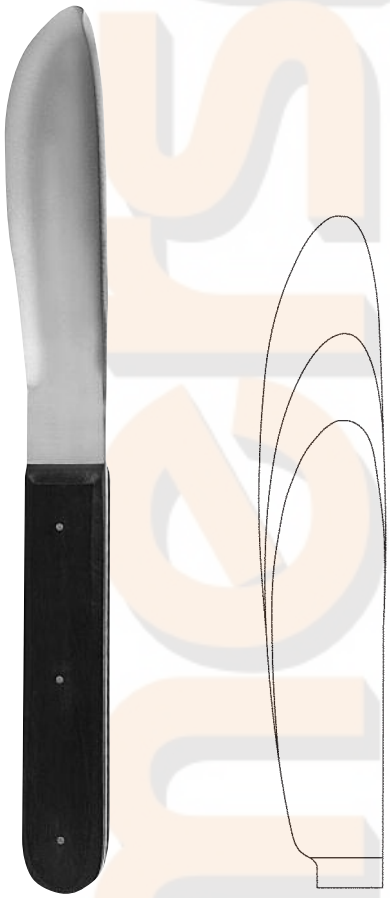


MS 101-114 25,5 cm / 10"



VIRCHOW

MS 101-114	16,0 cm, 6 1/4"
MS 101-115	20,0 cm, 8"
MS 101-116	24,0 cm, 9 1/2"



WALB

MS 101-117	11,0 cm, 4 1/3"
MS 101-118	14,0 cm, 5 1/2"
MS 101-119	17,0 cm, 6 4/3"



STANDART Nr. 3
MS 101-140 12,0 cm / 4 3/4"



Nr. 3
MS 101-141 12,0 cm / 4 3/4"



STANDART Nr. 4
MS 101-142 12,0 cm / 4 3/4"



Nr. 3L
MS 101-143 21,5 cm / 8 1/2"



Nr. 3L
MS 101-144 21,0 cm / 8 1/4"



Nr. 3
MS 101-145 21,5 cm / 8 1/2"



Nr. 3
MS 101-146 21,5 cm / 8 1/2"



Nr. 3 + 4
MS 101-147 16,0 cm / 6 1/4"



Nr. 4L
MS 101-148 21,5 cm / 8 1/2"



Nr. 4L
MS 101-149 21,0 cm / 8 1/4"



Nr. 4
MS 101-150 22 cm / 8 3/4"



Nr. 7
MS 101-151 16 cm / 6 1/4"



Nr. 7K
MS 101-152 12,5 cm / 5"



MS 101-153 15,5 cm / 6"



SCHINK

MS 101-170 31,0 cm / 12¼"



MS 101-171



MS 101-172



SILVER

MS 101-173 19,0 cm / 7½"



Yedek bıçak
Spare blade

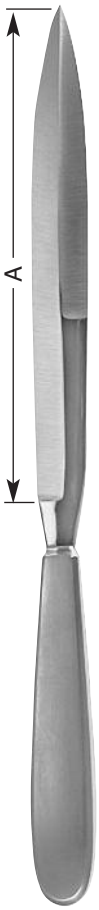
MS 101-175

HUMBY

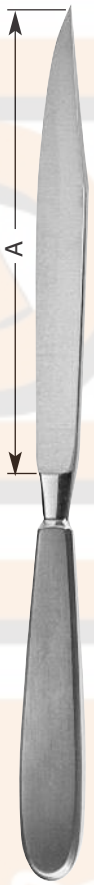
MS 101-174 32,0 cm / 12½"



COLIN	A
MS 101-190	13,0 cm / 5 1/8"
MS 101-191	16,0 cm / 6 1/4"
MS 101-192	19,0 cm / 7 1/2"
MS 101-193	22,0 cm / 8 1/2"
MS 101-194	28,0 cm / 11 1/4"



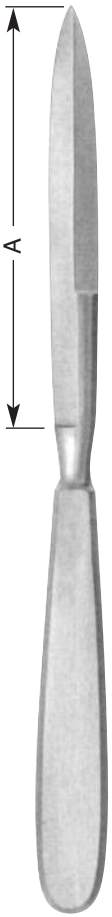
CATLIN	A
MS 101-195	16,0 cm / 6 1/4"
MS 101-196	19,0 cm / 7 1/2"
MS 101-197	22,0 cm / 8 3/4"



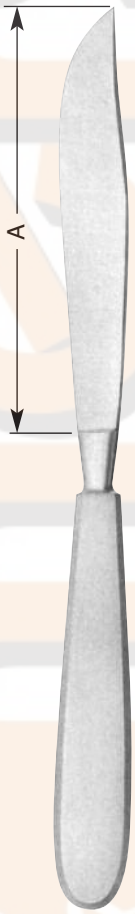
LISTON	A
MS 101-198	17,0 cm / 6 3/4"
MS 101-199	20,0 cm / 8"



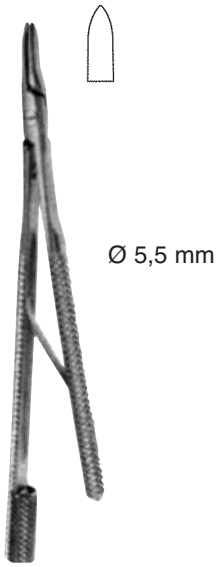
LANGENBECK	A
MS 101-200	12,0 cm / 4 3/4"



	A
MS 101-201	11,0 cm / 4 1/2"



	A
MS 101-202	9,5 cm / 3 3/4"



TROUTMAN-CHRIS
MS 101-220 9,0 cm / 3 1/2"



TROUTMAN-CHRIS
MS 101-221 9,0 cm / 3 1/2"



CASTROVIEJO
MS 101-222 11,0 cm / 4 1/2"



CASTROVIEJO
MS 101-223 13,0 cm / 5 1/4"



MS 101-224 16 cm / 6 1/4"

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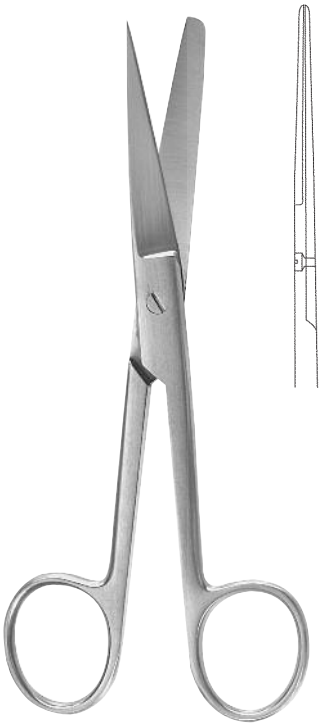
102



MAKASLAR
SCISSORS



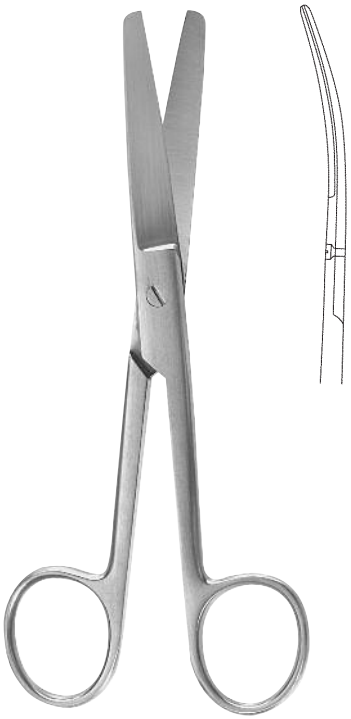
STANDART	
MS 102-101	10,5 cm / 4 1/4"
MS 102-102	11,5 cm / 4 1/2"
MS 102-103	13,0 cm / 5 1/8"
MS 102-104	14,5 cm / 5 3/4"
MS 102-105	15,5 cm / 6"
MS 102-106	16,5 cm / 6 1/2"
MS 102-107	17,5 cm / 7"
MS 102-108	18,5 cm / 7 1/4"
MS 102-109	20,0 cm / 8"



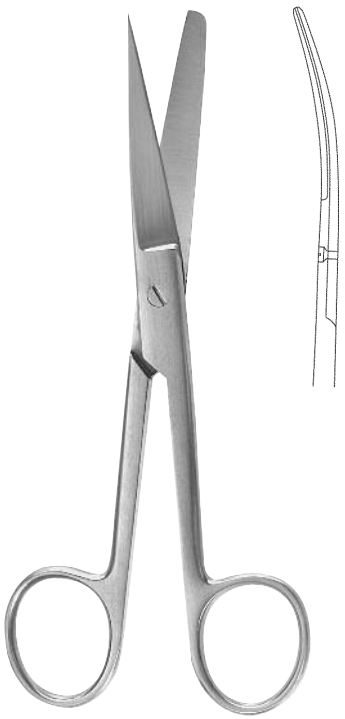
STANDART	
MS 102-110	10,5 cm / 4 1/4"
MS 102-111	11,5 cm / 4 1/2"
MS 102-112	13,0 cm / 5 1/8"
MS 102-113	14,5 cm / 5 3/4"
MS 102-114	15,5 cm / 6"
MS 102-115	16,5 cm / 6 1/2"
MS 102-116	17,5 cm / 7"
MS 102-117	18,5 cm / 7 1/4"
MS 102-118	20,0 cm / 8"



STANDART	
MS 102-119	10,5 cm / 4 1/4"
MS 102-120	11,5 cm / 4 1/2"
MS 102-121	13,0 cm / 5 1/8"
MS 102-122	14,5 cm / 5 3/4"
MS 102-123	15,5 cm / 6"
MS 102-124	16,5 cm / 6 1/2"
MS 102-125	17,5 cm / 7"
MS 102-126	18,5 cm / 7 1/4"
MS 102-127	20,0 cm / 8"



STANDART	
MS 102-140	11,5 cm / 4 1/2"
MS 102-141	13,0 cm / 5 1/8"
MS 102-142	14,5 cm / 5 3/4"
MS 102-143	15,5 cm / 6"
MS 102-144	16,5 cm / 6 1/2"
MS 102-145	17,5 cm / 7"
MS 102-146	18,5 cm / 7 1/4"
MS 102-147	20,0 cm / 8"



STANDART	
MS 102-148	11,5 cm / 4 1/2"
MS 102-149	13,0 cm / 5 1/8"
MS 102-150	14,5 cm / 5 3/4"
MS 102-151	15,5 cm / 6"
MS 102-152	16,5 cm / 6 1/2"
MS 102-153	17,5 cm / 7"
MS 102-154	18,5 cm / 7 1/4"
MS 102-155	20,0 cm / 8"



STANDART	
MS 102-156	11,5 cm / 4 1/2"
MS 102-157	13,0 cm / 5 1/8"
MS 102-158	14,5 cm / 5 3/4"
MS 102-159	15,5 cm / 6"
MS 102-160	16,5 cm / 6 1/2"
MS 102-161	17,5 cm / 7"
MS 102-162	18,5 cm / 7 1/4"
MS 102-163	20,0 cm / 8"



GRAZIL

MS 102-170	13,0 cm / 5 1/8"
MS 102-171	14,5 cm / 5 3/4"



GRAZIL

MS 102-172	13,0 cm / 5 1/8"
MS 102-173	14,5 cm / 5 3/4"



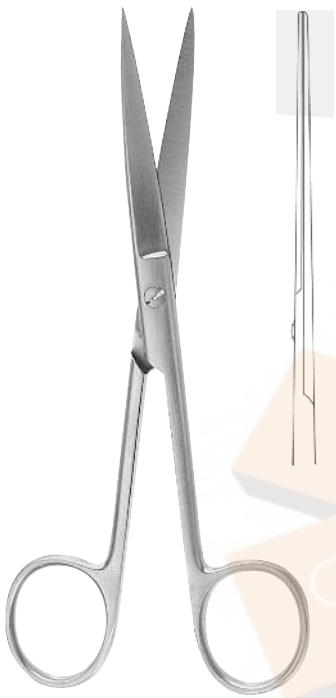
GRAZIL

MS 102-174	13,0 cm / 5 1/8"
MS 102-175	14,5 cm / 5 3/4"



GRAZIL

MS 102-176	13,0 cm / 5 1/8"
MS 102-177	14,5 cm / 5 3/4"



GRAZIL

MS 102-178	13,0 cm / 5 1/8"
MS 102-179	14,5 cm / 5 3/4"



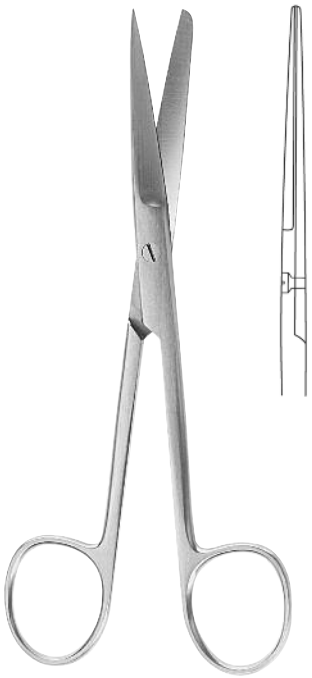
GRAZIL

MS 102-180	13,0 cm / 5 1/8"
MS 102-181	14,5 cm / 5 3/4"



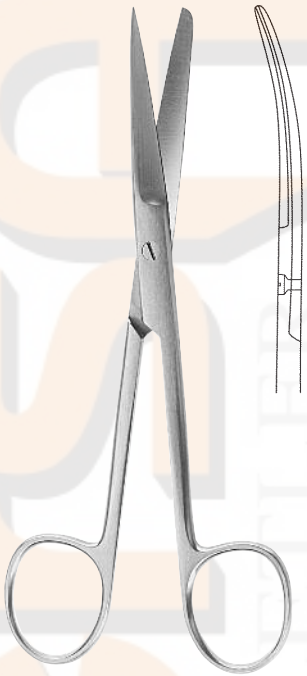
INCISION

MS 102-190	13,0 cm / 5 1/8"
MS 102-191	14,5 cm / 5 3/4"



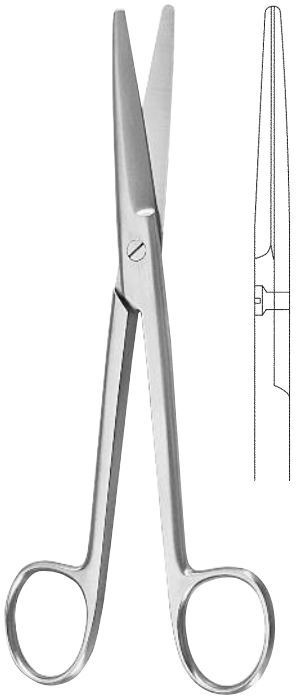
DEAVER

MS 102-192	14,0 cm / 5 1/2"



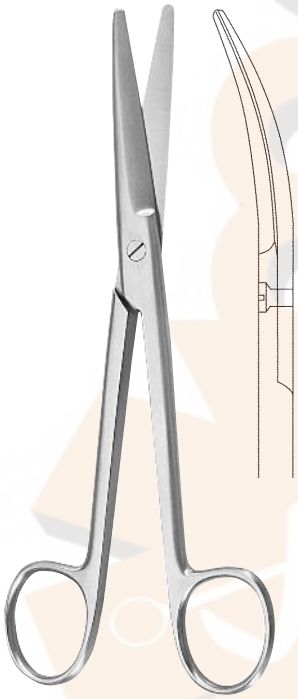
DEAVER

MS 102-193	14,0 cm / 5 1/2"



MAYO

MS 102-194	14,5 cm / 5 3/4"
MS 102-195	15,5 cm / 6"
MS 102-196	17,0 cm / 6 3/4"
MS 102-197	23,0 cm / 9"



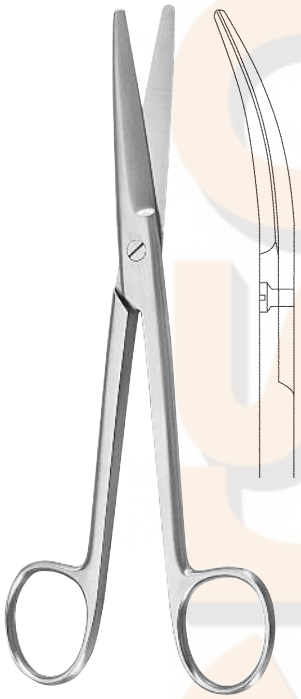
MAYO

MS 102-198	14,5 cm / 5 3/4"
MS 102-199	15,5 cm / 6"
MS 102-200	17,0 cm / 6 3/4"
MS 102-201	23,0 cm / 9"



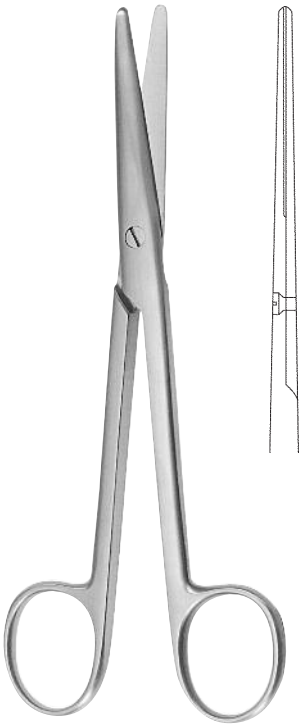
MAYO-HARRINGTON

MS 102-202	22,5 cm / 9"



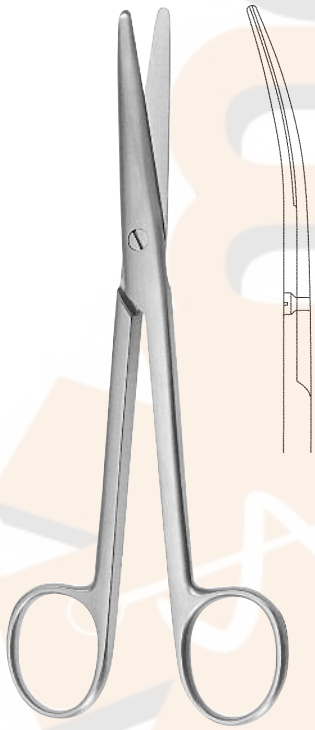
MAYO-HARRINGTON

MS 102-203	22,5 cm / 9"
MS 102-204	28,0 cm / 11"



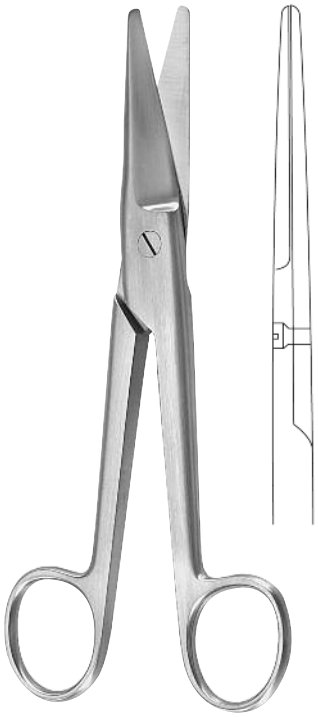
MAYO-STILLE

MS 102-205	15,0 cm / 6"
MS 102-206	17,0 cm / 6¾"
MS 102-207	19,0 cm / 7½"
MS 102-208	21,0 cm / 8¼"



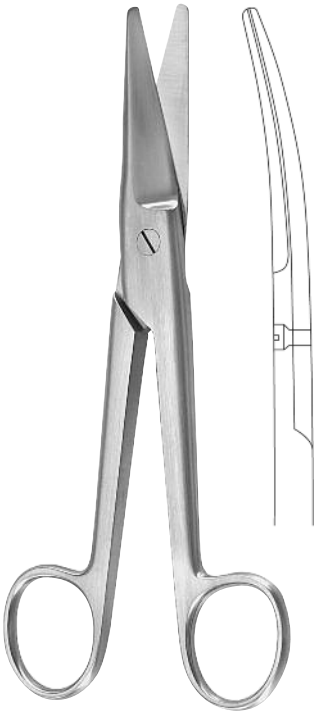
MAYO-STILLE

MS 102-209	15,0 cm / 6"
MS 102-210	17,0 cm / 6¾"
MS 102-211	19,0 cm / 7½"
MS 102-212	21,0 cm / 8¼"



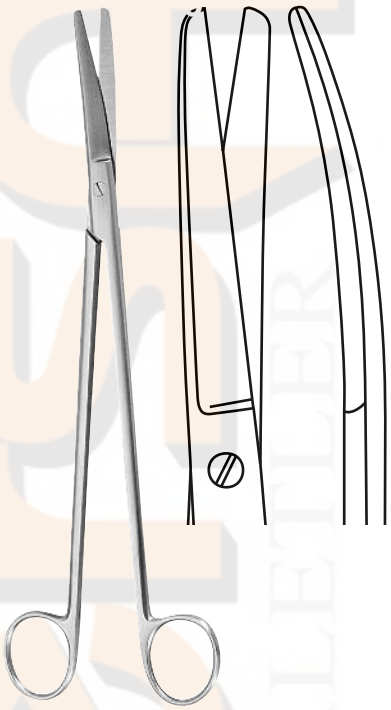
MAYO-NOBLE

MS 102-213 17,0 cm / 6 3/4"



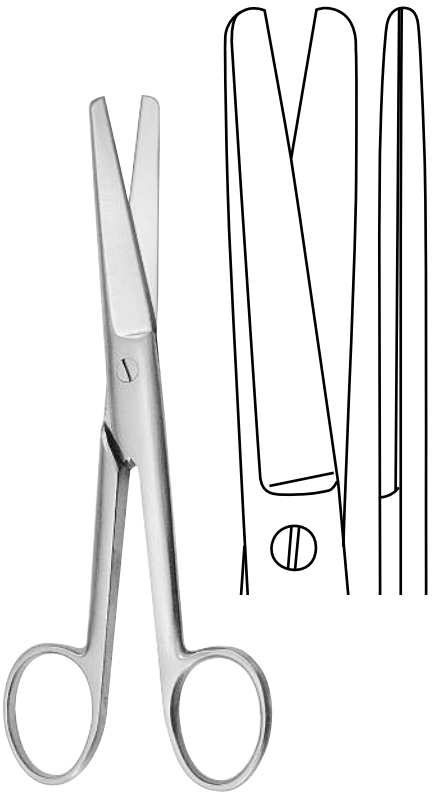
MAYO-NOBLE

MS 102-214 17,0 cm / 6 3/4"



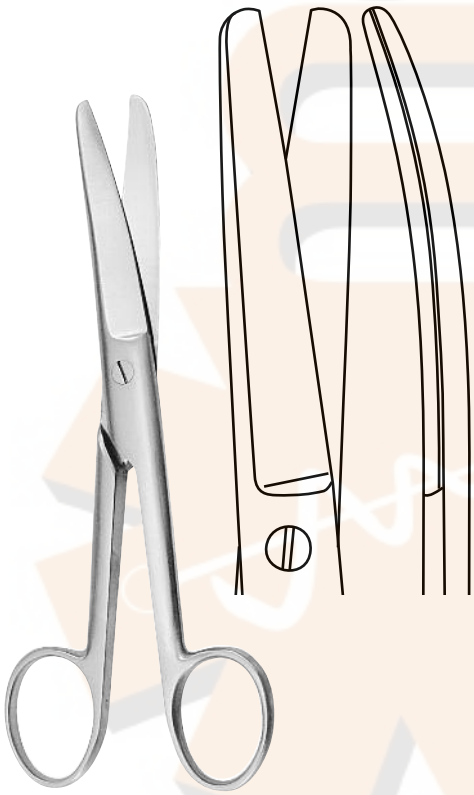
WERTHEIM

MS 102-215 14,5 cm / 5 1/2"
MS 102-216 19,5 cm / 7 3/4"
MS 102-217 22,5 cm / 9"



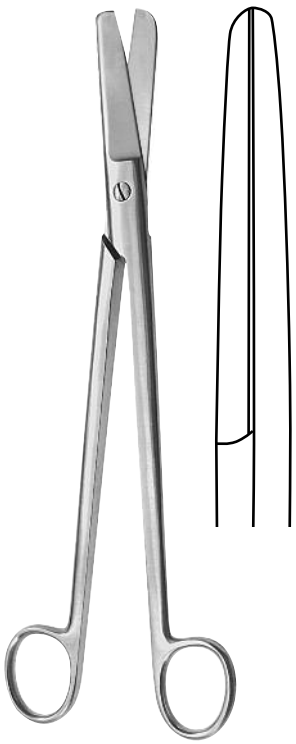
DOYEN

MS 102-218 17,5 cm / 7"



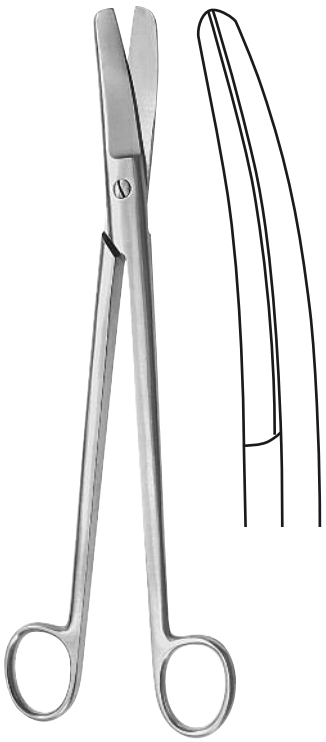
DOYEN

MS 102-219 17,5 cm / 7"



DUBOIS

MS 102-220 27,0 cm / 10 5/8"



DUBOIS

MS 102-221 27,0 cm / 10 5/8"



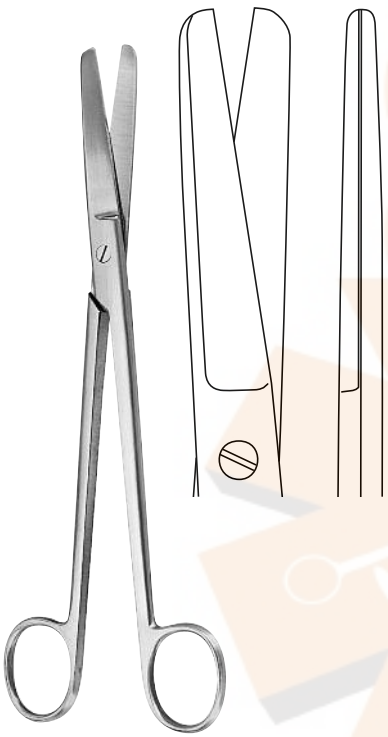
BOZEMAN

MS 102-222 22,0 cm / 8 3/4"



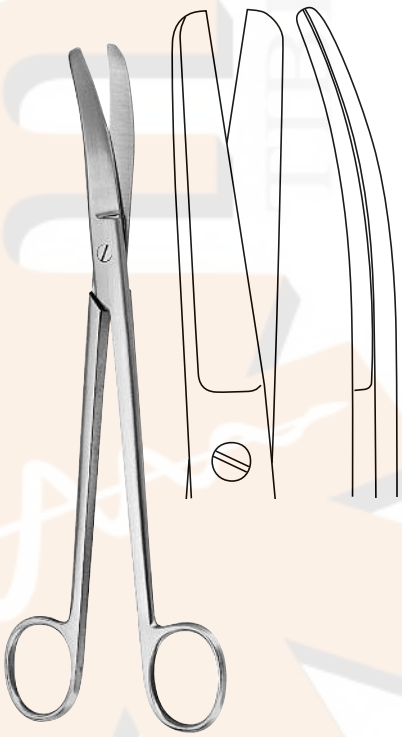
SIEBOLD

MS 102-223 24,0 cm / 9 1/2"



SIMS

MS 102-224 20,0 cm / 8"
MS 102-225 23,0 cm / 9"



SIMS

MS 102-226 20,0 cm / 8"
MS 102-227 23,0 cm / 9"



BRAUN-STADLER

MS 102-240	14,0 cm / 5 1/2"
MS 102-241	22,0 cm / 8 3/4"



BUSCH

MS 102-242	13,0 cm / 5 1/8"
MS 102-243	16,0 cm / 6 1/4"



MOD. USA

MS 102-244	10,5 cm / 4 1/8"



SCHUMACHER

MS 102-245	16,0 cm / 6 1/4"

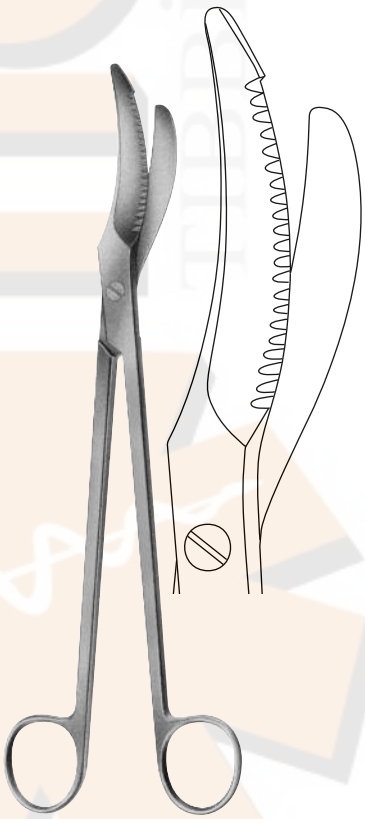


WALDMANN

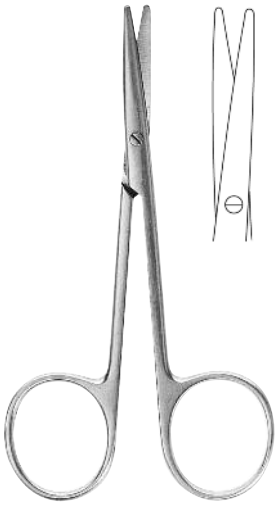
MS 102-246	18,0 cm / 7"



MS 102-247	20,0 cm / 8"



MS 102-248	24,0 cm / 9 1/2"



METZENBAUM-BABY

MS 102-260 11,5 cm / 4 ½"

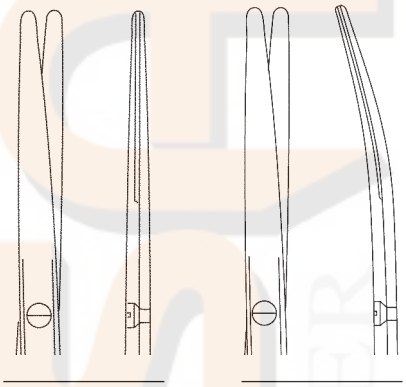


METZENBAUM-BABY

MS 102-261 11,5 cm / 4 ½"



METZENBAUM

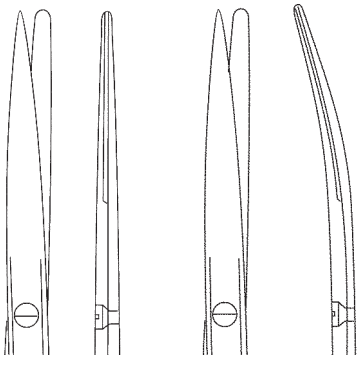


MS 102-262
14,5 cm / 5 ½"

MS 102-263
14,5 cm / 5 ½"

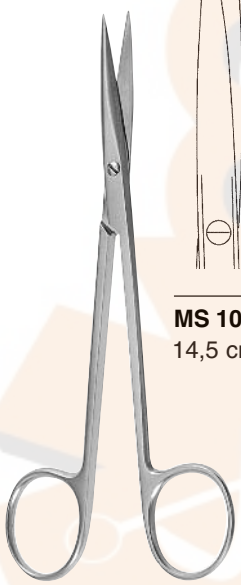


METZENBAUM

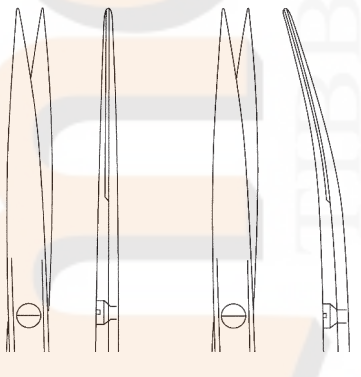


MS 102-264
14,5 cm / 5 ½"

MS 102-265
14,5 cm / 5 ½"



METZENBAUM



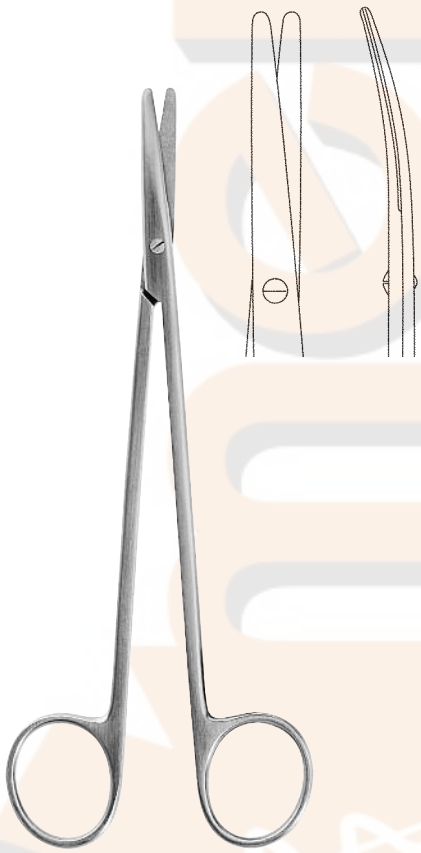
MS 102-266
14,5 cm / 5 ½"

MS 102-267
14,5 cm / 5 ½"



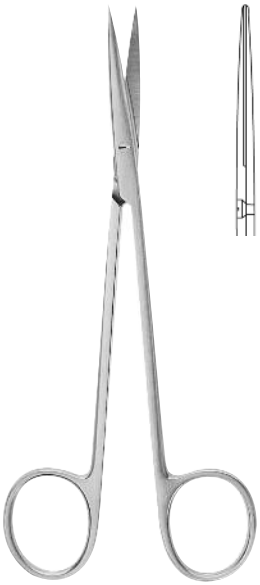
METZENBAUM-NELSON

MS 102-268	18,0 cm / 7"
MS 102-269	20,0 cm / 8"
MS 102-270	23,0 cm / 9"
MS 102-271	25,0 cm / 10"
MS 102-272	28,0 cm / 11"
MS 102-273	30,0 cm / 12"

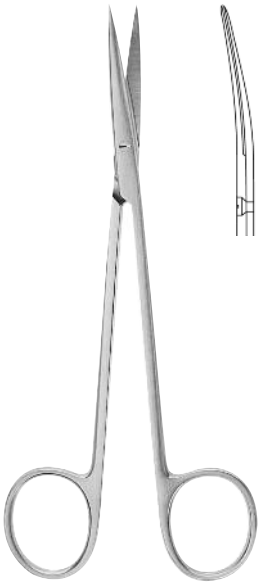


METZENBAUM-NELSON

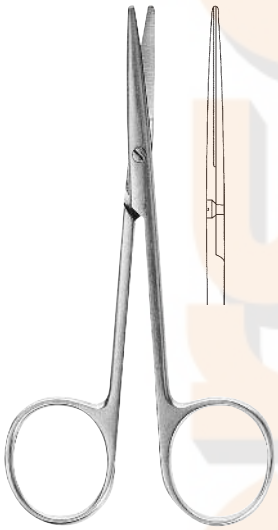
MS 102-274	18,0 cm / 7"
MS 102-275	20,0 cm / 8"
MS 102-276	23,0 cm / 9"
MS 102-277	25,0 cm / 10"
MS 102-278	28,0 cm / 11"
MS 102-279	30,0 cm / 12"



MS 102-290 15,0 cm / 6"



MS 102-291 15,0 cm / 6"



LEXER-BABY
MS 102-292 10,0 cm / 4"



LEXER-BABY
MS 102-293 10,0 cm / 4"



LEXER
MS 102-294 16,0 cm / 6 1/4"
MS 102-295 21,0 cm / 8 1/4"



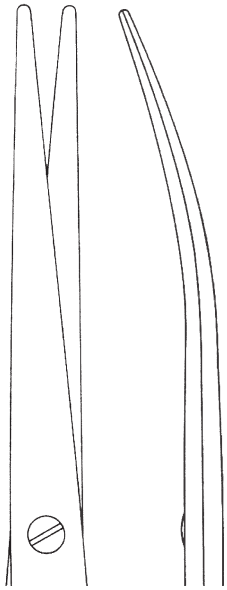
LEXER
MS 102-296 16,0 cm / 6 1/4"
MS 102-297 21,0 cm / 8 1/4"



LEXER-FINO



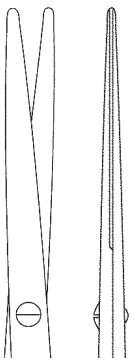
MS 102-298
16,0 cm / 6 1/4"



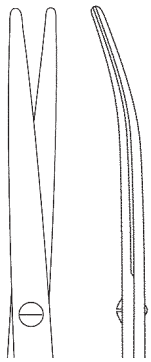
MS 102-299
16,0 cm / 6 1/4"



METZENBAUM-FINO



MS 102-300
14,5 cm / 5 3/4"



MS 102-301
14,5 cm / 5 3/4"



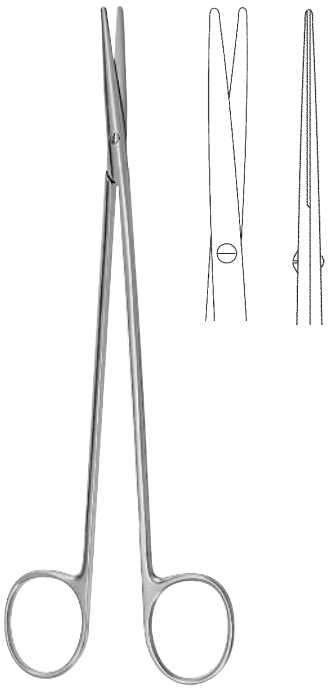
METZENBAUM-FINO



MS 102-302
14,5 cm / 5 3/4"

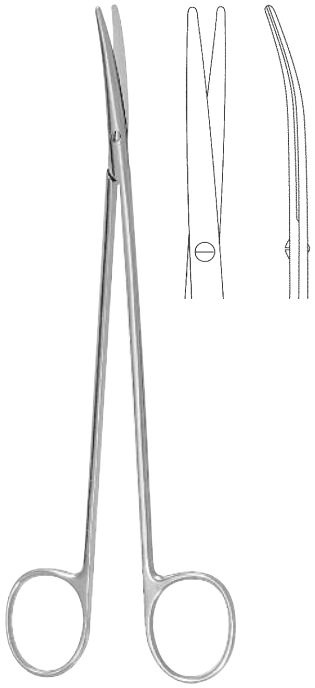


MS 102-303
14,5 cm / 5 3/4"



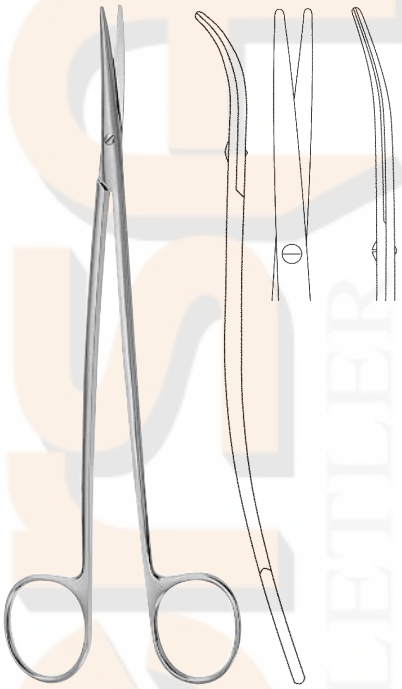
METZENBAUM-FINO

MS 102-304	18,0 cm / 7"
MS 102-305	20,0 cm / 8"
MS 102-306	23,0 cm / 9"



METZENBAUM-FINO

MS 102-307	18,0 cm / 7"
MS 102-308	20,0 cm / 8"
MS 102-309	23,0 cm / 9"



METZENBAUM-FINO S

MS 102-310	18,0 cm / 7"
MS 102-311	20,0 cm / 8"
MS 102-312	23,0 cm / 9"



THOREK

MS 102-320	19,0 cm / 7 1/2"



FOMON

MS 102-321	13,5 cm / 5 1/8"



ENUCLEATIO

MS 102-322	11,0 cm / 4 3/8"



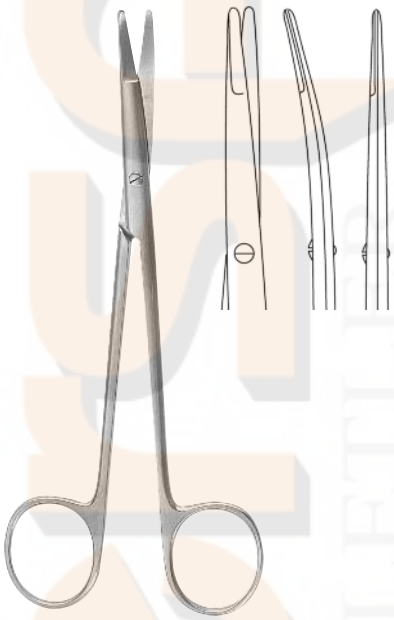
LANDOLT

MS 102-323 12,5 cm / 5"



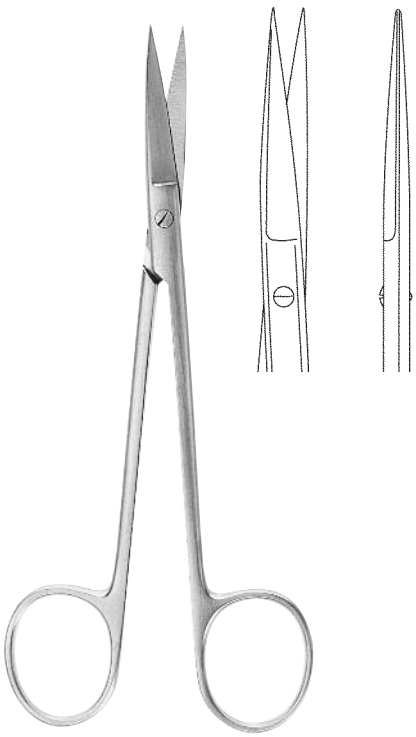
LANDOLT

MS 102-324 12,5 cm / 5"



KILNER

MS 102-325 12,0 cm / 4 3/4"
MS 102-326 15,0 cm / 6"



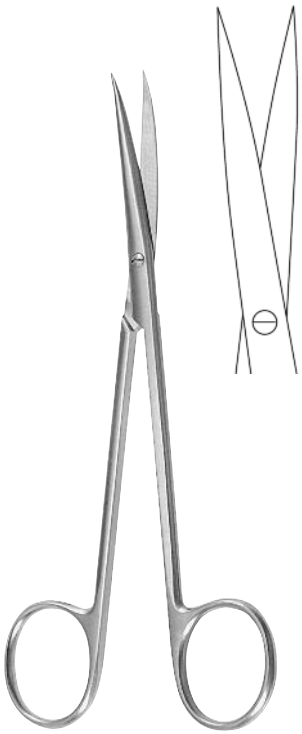
JOSEPH

MS 102-340 14,0 cm / 5 1/2"

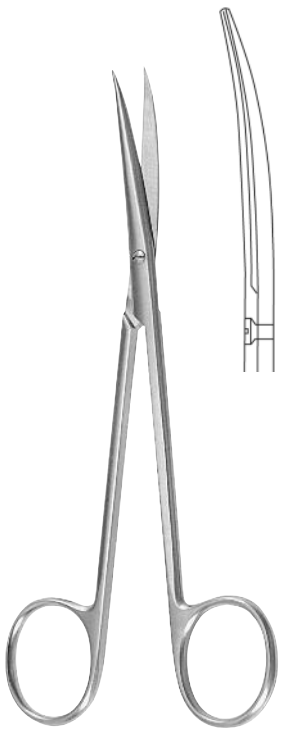


JOSEPH

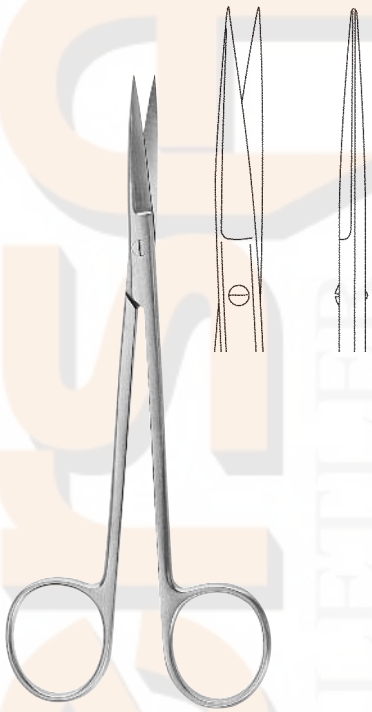
MS 102-341 14,0 cm / 5 1/2"



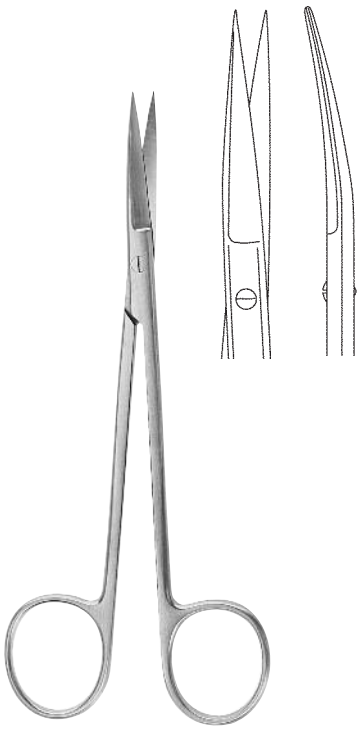
BROPHY-SULLIVAN
MS 102-342 14,0 cm / 5 1/2"



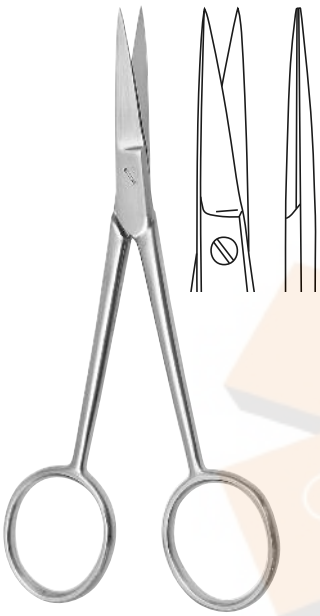
BROPHY-SULLIVAN
MS 102-343 14,0 cm / 5 1/2"



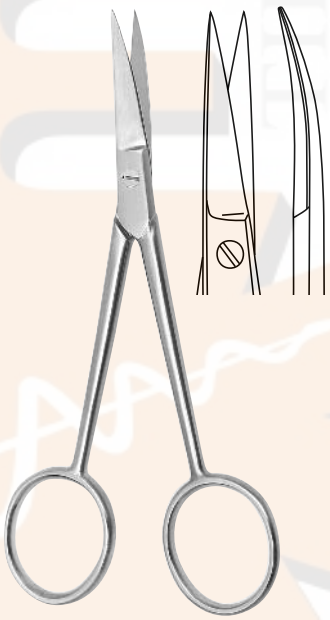
SANVENERO
MS 102-344 14,0 cm / 5 1/2"



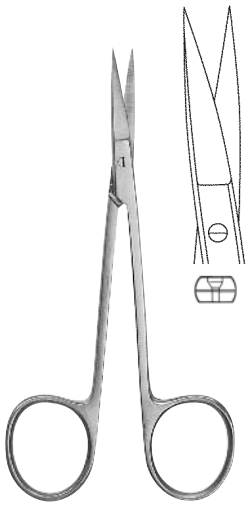
SANVENERO
MS 102-345 14,0 cm / 5 1/2"



MS 102-360 11,0 cm / 4 3/8"

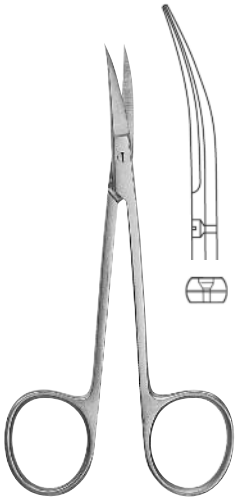


MS 102-361 11,0 cm / 4 3/8"



IRIS

MS 102-362	9,0 cm / 3 1/2"
MS 102-363	10,5 cm / 4 1/8"
MS 102-364	11,5 cm / 4 1/2"



IRIS

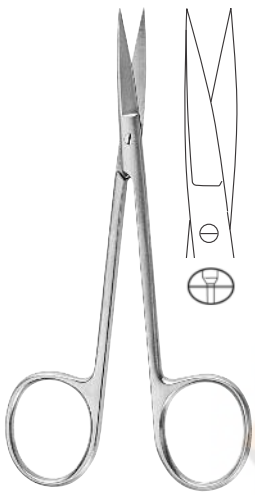
MS 102-365	9,0 cm / 3 1/2"
MS 102-366	10,5 cm / 4 1/8"
MS 102-368	11,5 cm / 4 1/2"



MS 102-369	11,5 cm / 4 1/2"

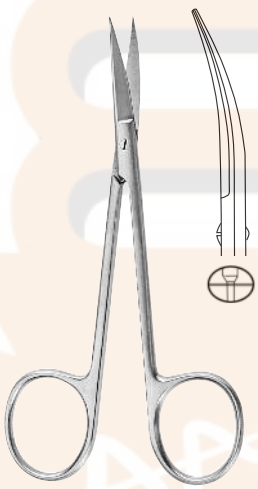


MS 102-370	11,5 cm / 4 1/2"



IRIS

MS 102-371	9,0 cm / 3 1/2"
MS 102-372	10,5 cm / 4 1/8"
MS 102-373	11,5 cm / 4 1/2"



IRIS

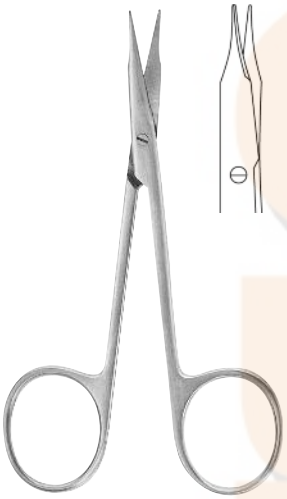
MS 102-374	9,0 cm / 3 1/2"
MS 102-375	10,5 cm / 4 1/8"
MS 102-376	11,5 cm / 4 1/2"



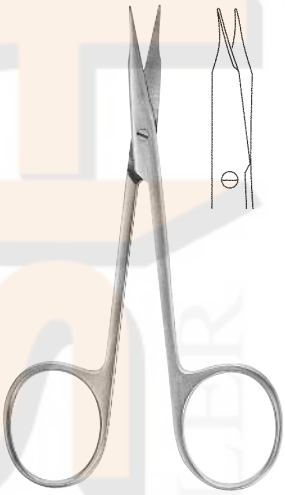
STEVENS
MS 102-377 11,0 cm / 4 1/2"



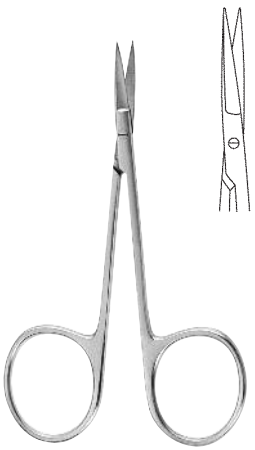
STEVENS
MS 102-378 11,0 cm / 4 1/2"



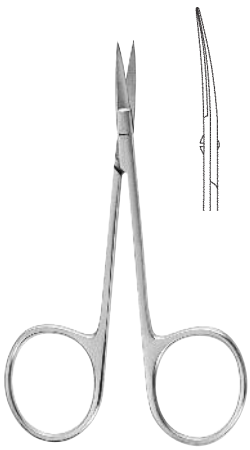
STEVENS
MS 102-379 11,0 cm / 4 1/2"



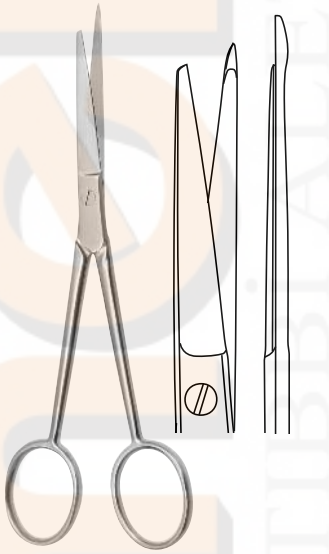
STEVENS
MS 102-380 11,0 cm / 4 1/2"



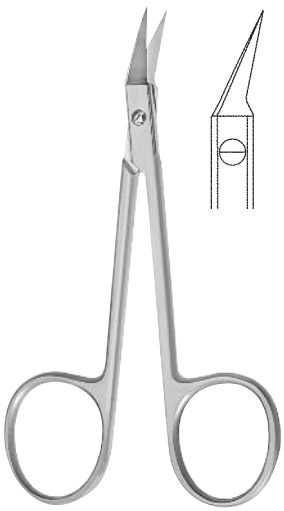
MOD. BONN
MS 102-381 8,0 cm / 3 1/4"



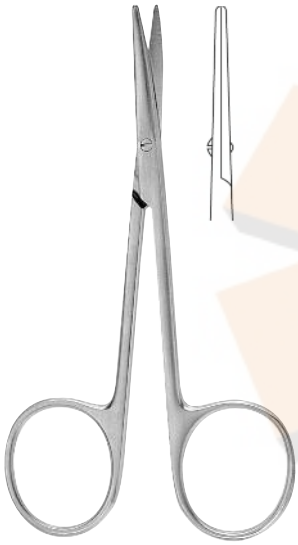
MOD. BONN
MS 102-382 8,0 cm, 3 1/4"



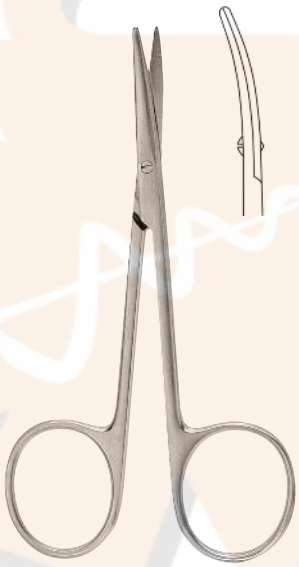
MS 102-383 14,0 cm / 5 3/4"



O'BRIAN
MS 102-384 9,0cm / 3 3/4"



STRABISMUS
MS 102-385 11,0 cm / 4 1/2"



STRABISMUS
MS 102-386 11,0 cm / 4 1/2"



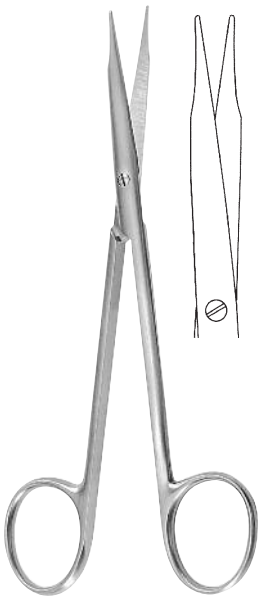
WAGNER

MS 102-387 12,0 cm / 4 ¾"



WAGNER

MS 102-388 12,0 cm / 4 ¾"



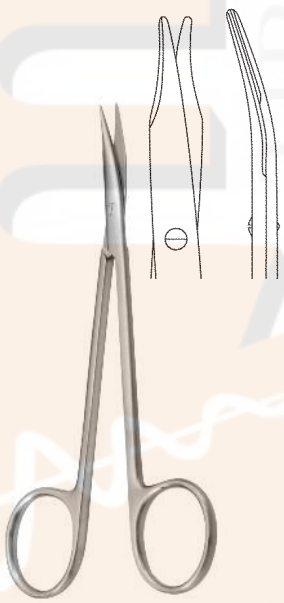
REYNOLDS

MS 102-389 15,0 cm / 6"



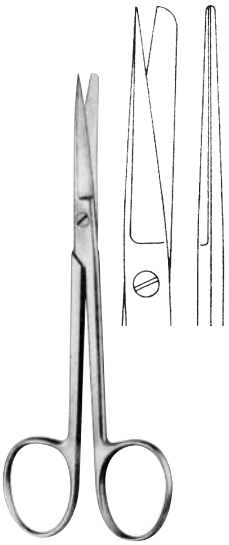
REYNOLDS

MS 102-390 15,0 cm / 6"
MS 102-391 17,5 cm / 6"

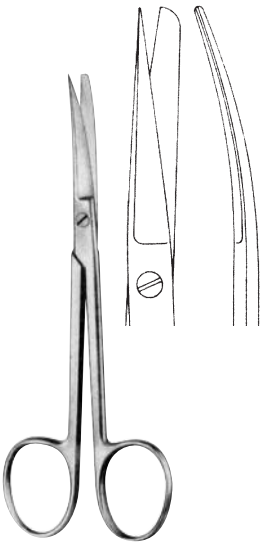


JAMESON

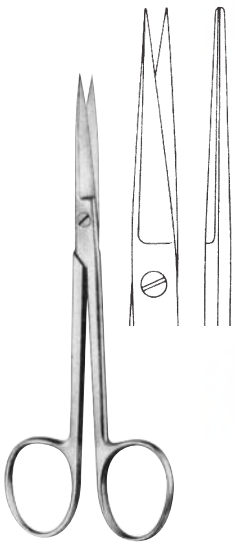
MS 102-392 15,0 cm / 6"



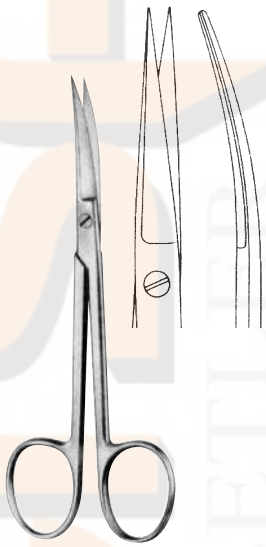
MS 102-393 12,0 cm / 4 3/4"



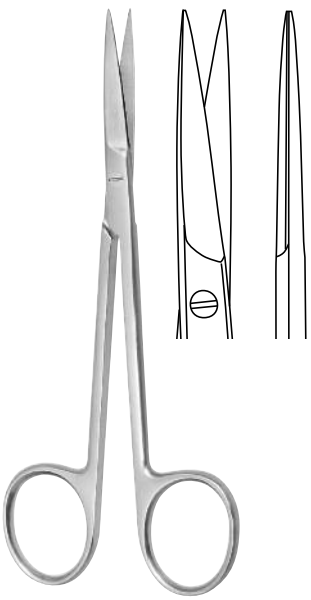
MS 102-394 12,0 cm / 4 3/4"



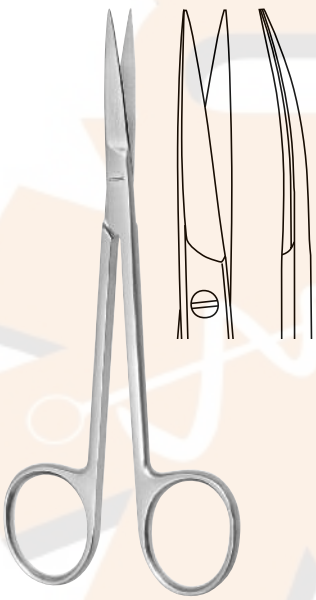
MS 102-395 12,0 cm / 4 3/4"



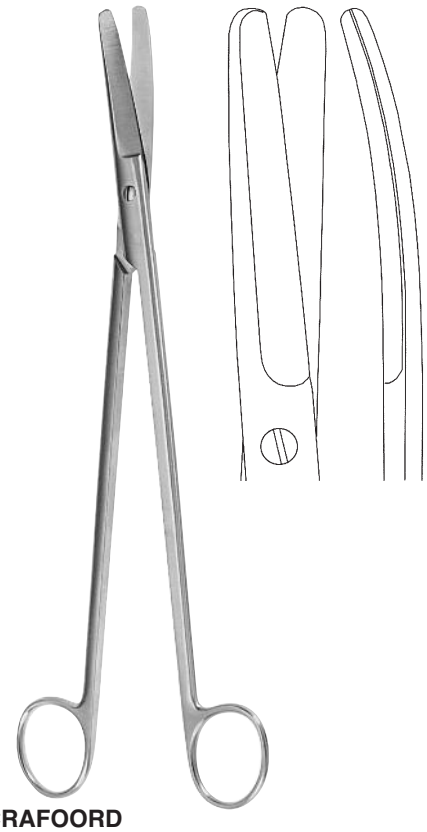
MS 102-396 12,0 cm / 4 3/4



MS 102-397 13,0 cm / 5 1/8"



MS 102-398 13,0 cm / 5 1/8"



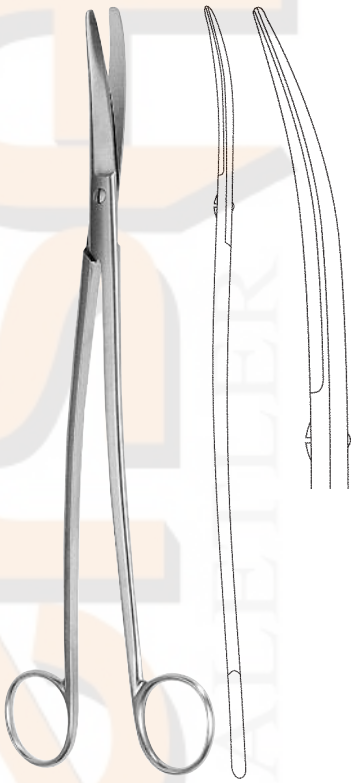
CRAFOORD

MS 102-410 30,0 cm / 12"



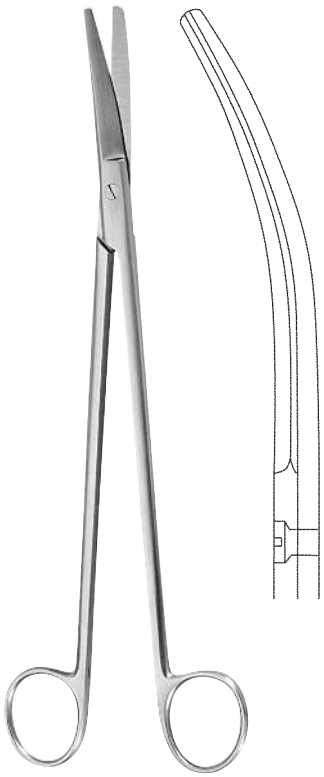
SATINSKY

MS 102-411 24,5 cm / 9 3/4"



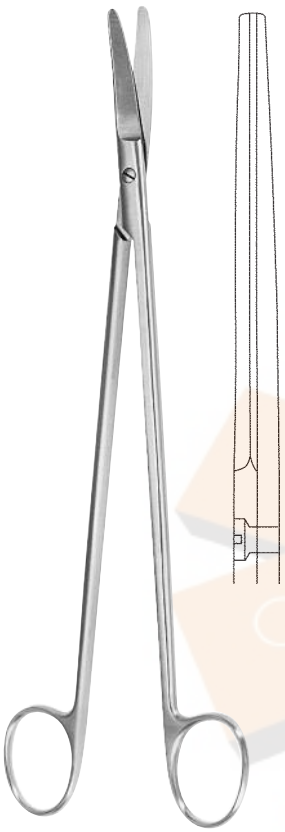
KLINGENBERG-LOTH

MS 102-412 23,0 cm / 9"



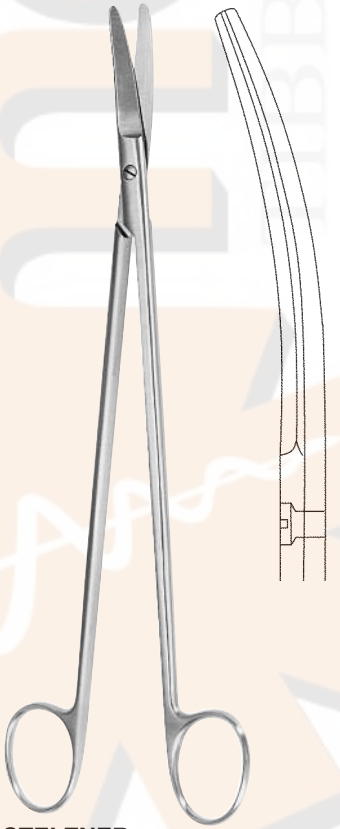
LLOYD-DAVIS

MS 102-413 27,0 cm / 10 5/8"



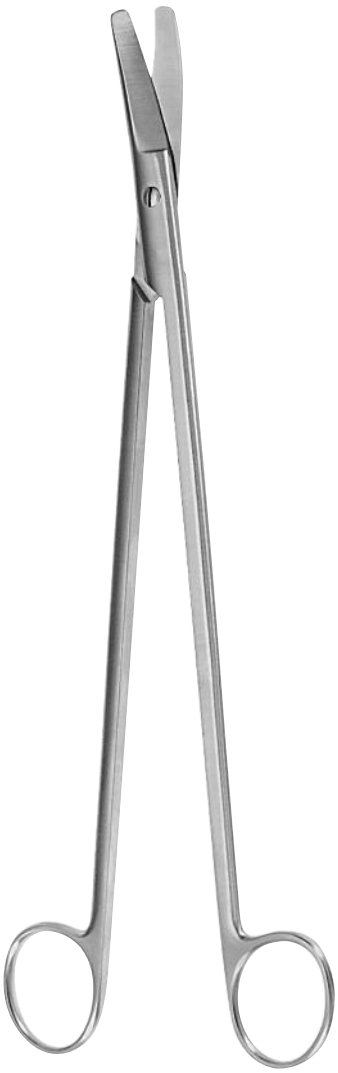
STELZNER

MS 102-414 31,0 cm / 12 1/4"



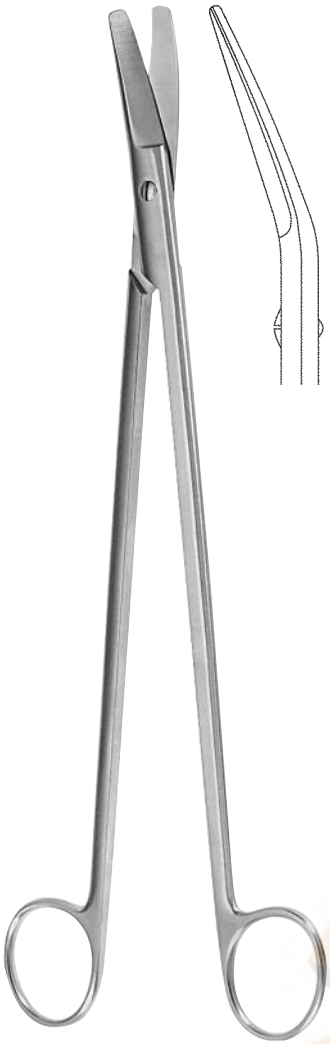
STELZNER

MS 102-415 31,0 cm / 12 1/4"



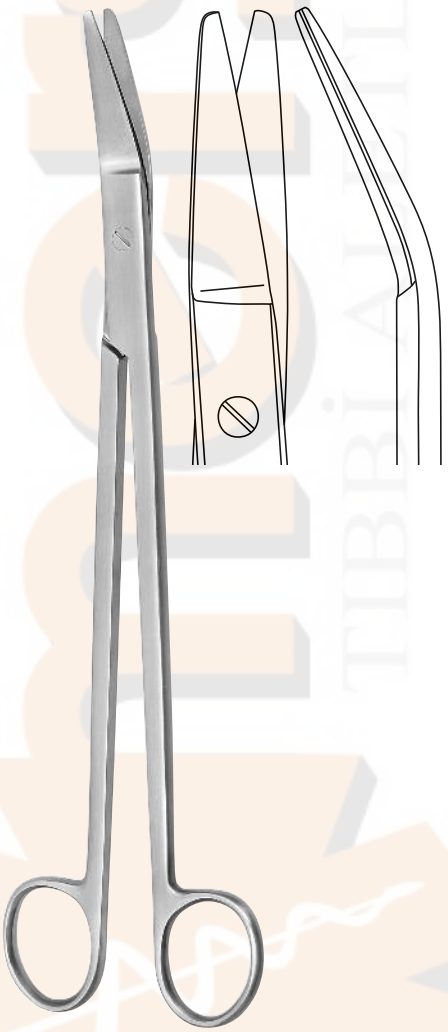
RECTAL

MS 102-416 32,5 cm / 12 3/4"



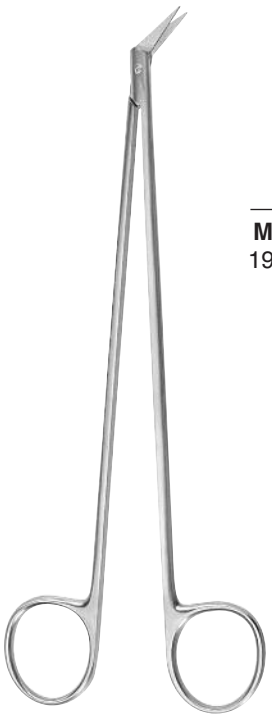
FINOCHIETTO

MS 102-417 27,0 cm / 10 5/8"

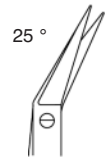


RESANO

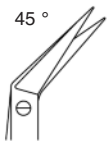
MS 102-418 25,0 cm / 9 3/4"



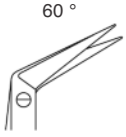
DIETRICH



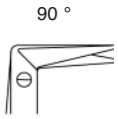
MS 102-430
19,0 cm / 7 1/2"



MS 102-431
19,0 cm / 7 1/2"



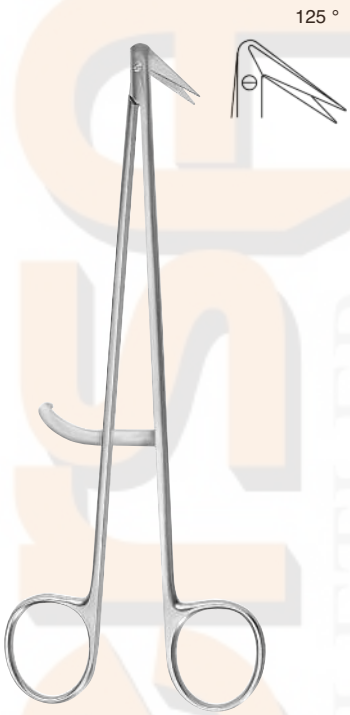
MS 102-432
19,0 cm / 7 1/2"



MS 102-433
19,0 cm / 7 1/2"

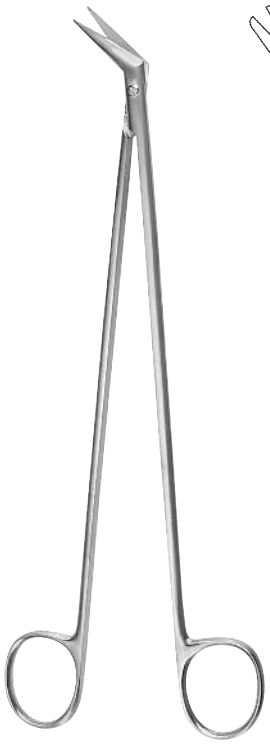


MS 102-434
19,0 cm / 7 1/2"

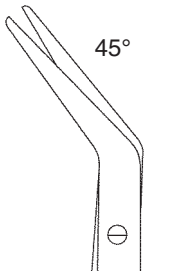


DIETRICH-HEGEMANN

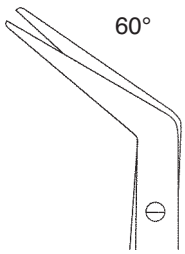
MS 102-435 19,0 cm / 7 1/2"



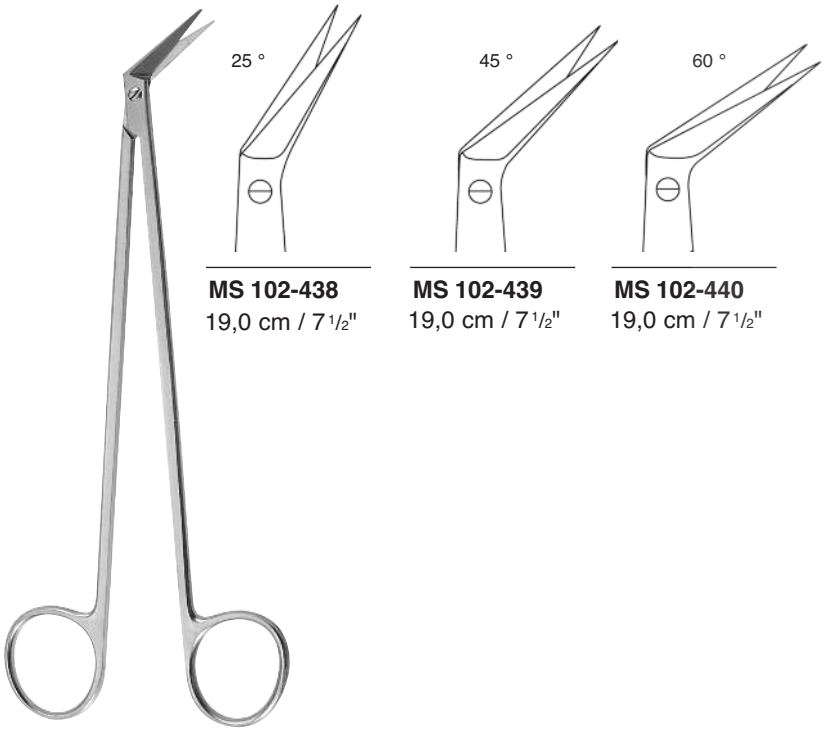
DE BAKEY



MS 102-436
16,0 cm / 6 1/4"

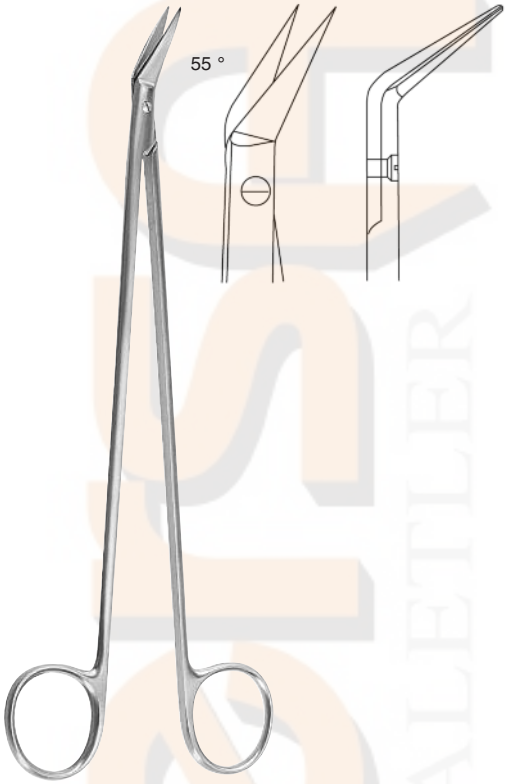


MS 102-437
16,0 cm / 6 1/4"

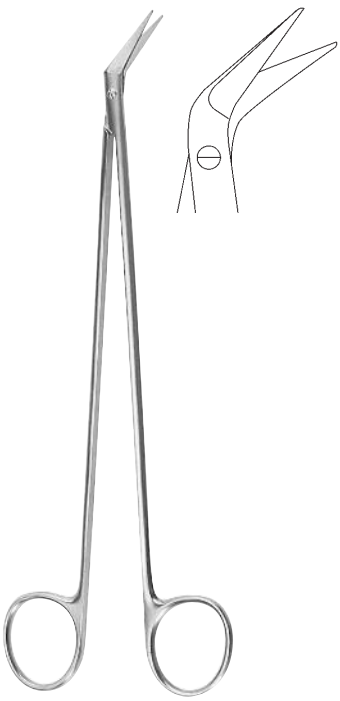


MS 102-438 19,0 cm / 7 1/2"
MS 102-439 19,0 cm / 7 1/2"
MS 102-440 19,0 cm / 7 1/2"

POTTS-SMITH



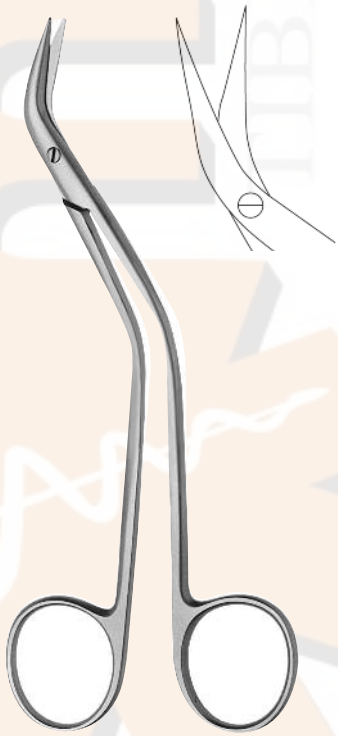
POTTS-SMITH
MS 102-441 18,0 cm / 7"



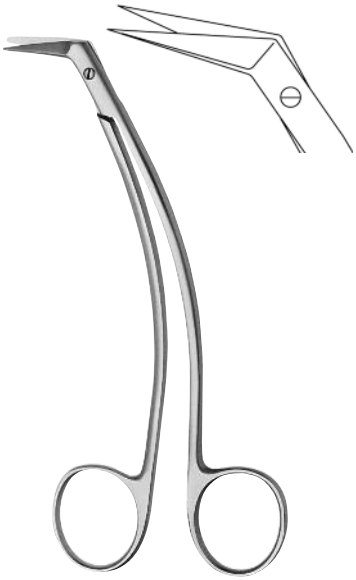
POTTS DE MARTEL
MS 102-442 21,0 cm / 8 1/4"
MS 102-443 24,0 cm / 9 1/2"



DE BAKEY
MS 102-460 15,5 cm / 6"

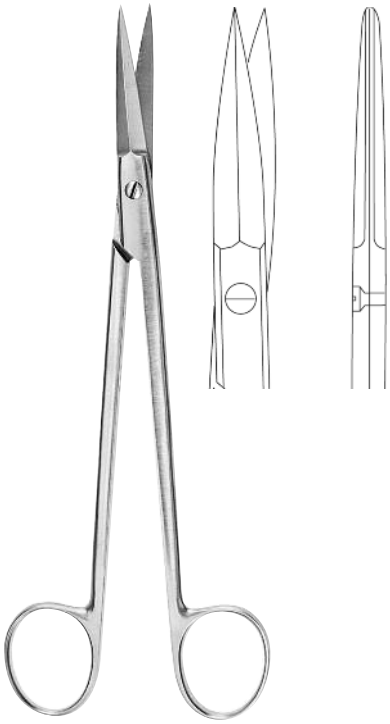


DE BAKEY
MS 102-461 15,5 cm / 6"



FAVALORO

MS 102-462 15,5 cm / 6"

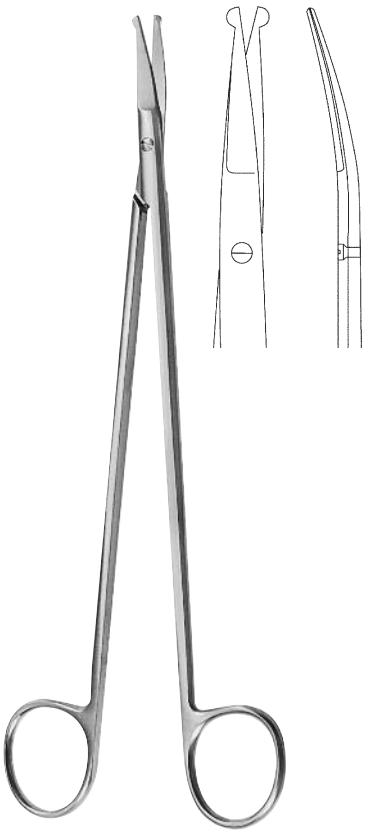


MC INDOE

MS 102-463 19,0 cm / 7 1/2"



MS 102-464 11,5 cm / 4 1/2"



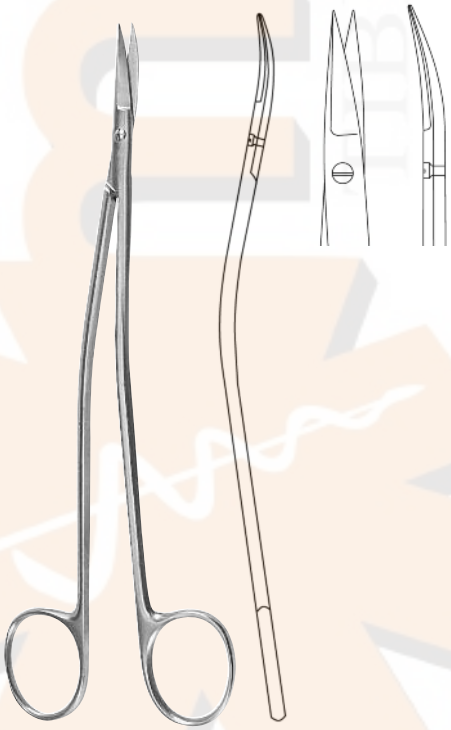
STRULLY

MS 102-465 22,0 cm / 8 5/8"



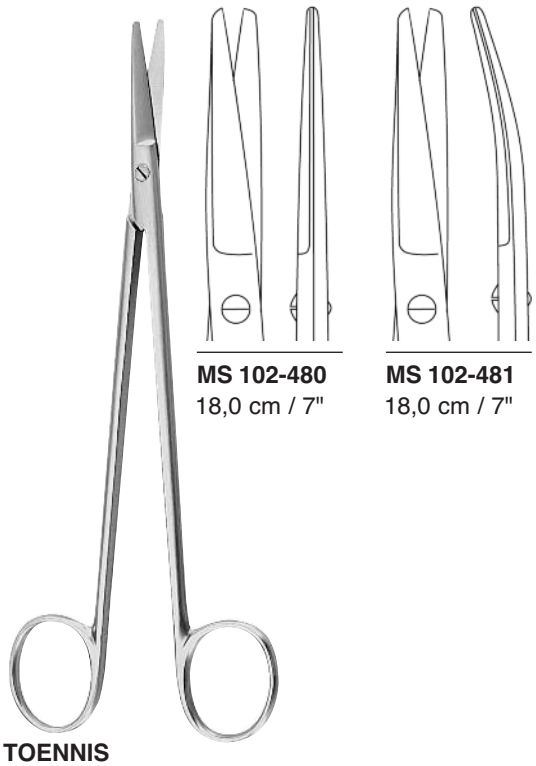
SCHMIEDEN-TAYLOR

MS 102-466 17,0 cm / 6 3/4"



DANDY

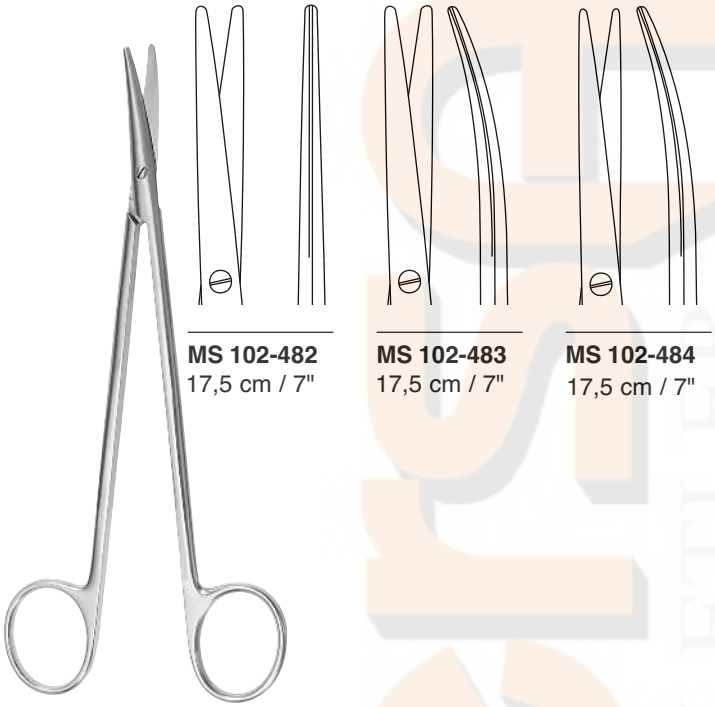
MS 102-467 17,0 cm / 6 3/4"



MS 102-480
18,0 cm / 7"

MS 102-481
18,0 cm / 7"

TOENNIS



MS 102-482
17,5 cm / 7"

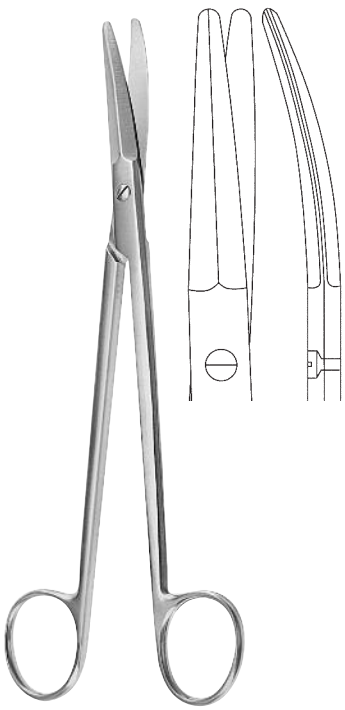
MS 102-483
17,5 cm / 7"

MS 102-484
17,5 cm / 7"

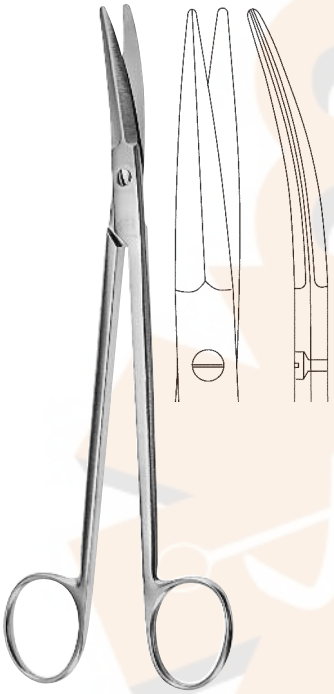
TOENNIS-ADSON



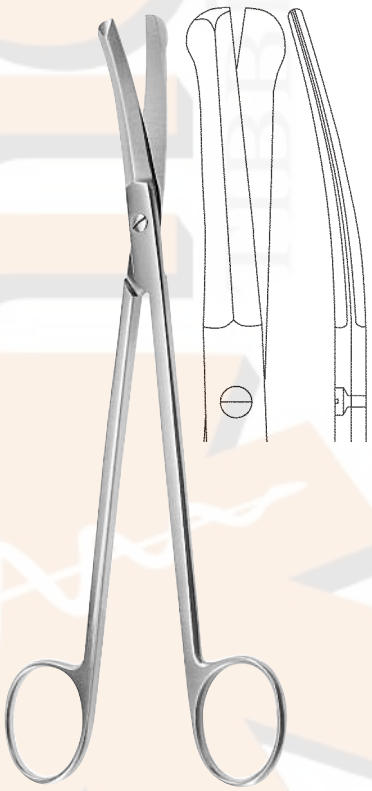
OLIVECRONA
MS 102-490 23,0 cm / 9"



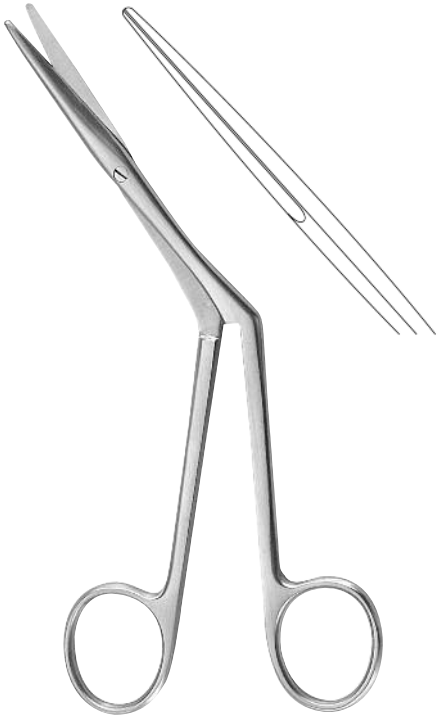
BOETTCHER
MS 102-495 18,0 cm / 7"



PRINCE
MS 102-496 17,5 cm / 7"

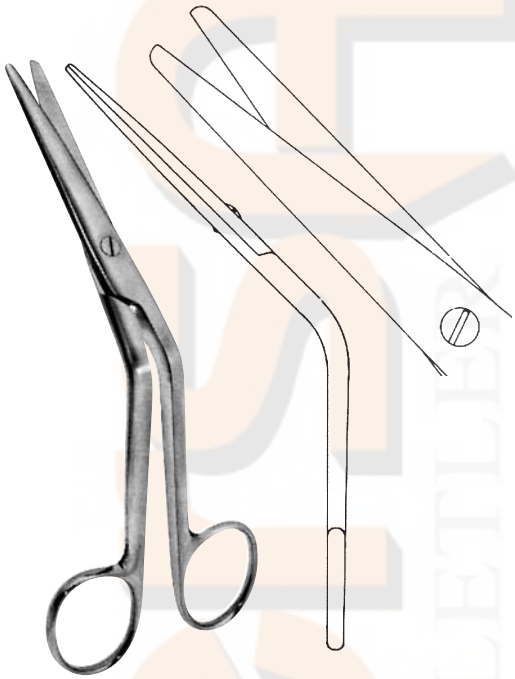


GOOD
MS 102-497 19,0 cm / 7 ½"



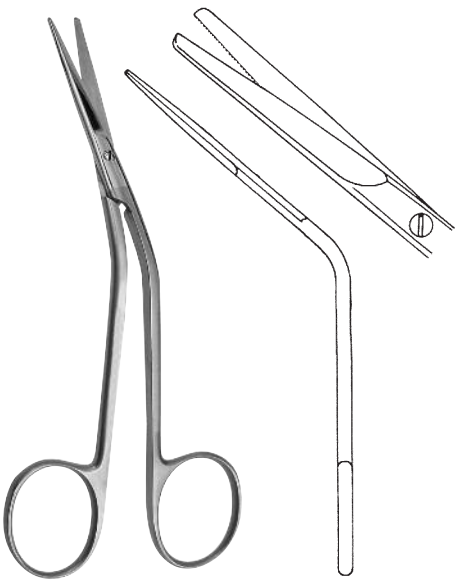
HEYMAN

MS 102-510 18,0 cm / 7"



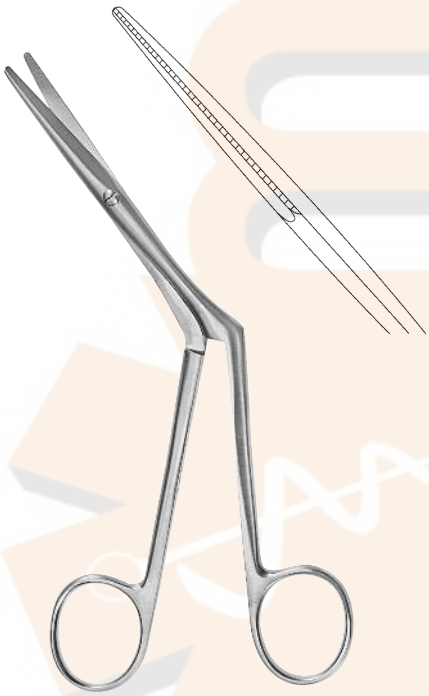
COTTLE

MS 102-511 16,0 cm / 6 ¼"



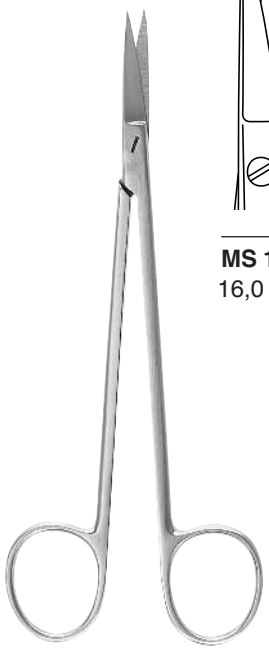
FOMON

MS 102-512 15,0 cm / 6"

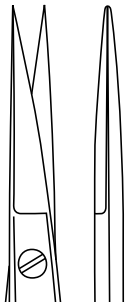


KIRSTEIN

MS 102-513 18,0 cm / 7"



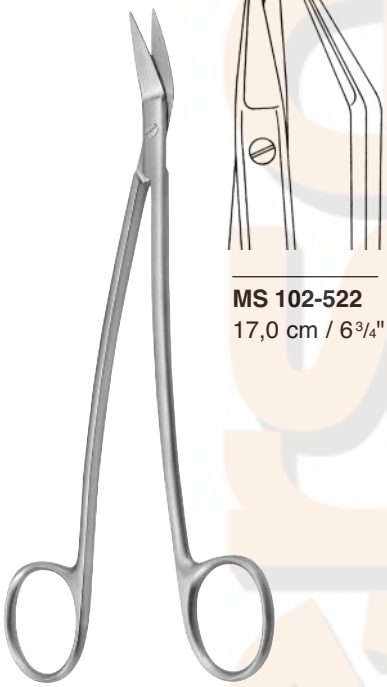
KELLY



MS 102-520
16,0 cm / 6 1/4"



MS 102-521
16,0 cm / 6 1/4"



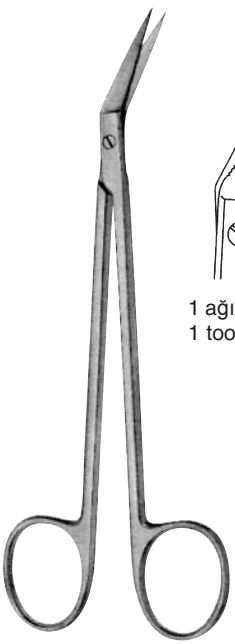
DEAN

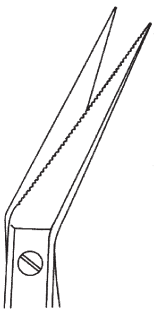
MS 102-522
17,0 cm / 6 3/4"



MS 102-523
17,0 cm / 6 3/4"

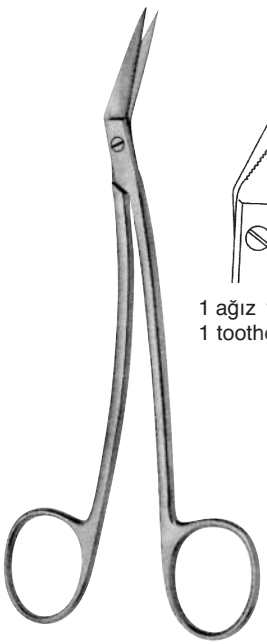
1 ağız tırtıllı
1 toothed blade

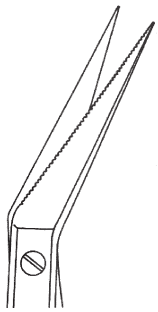




1 ağız tırtıllı
1 toothed blade

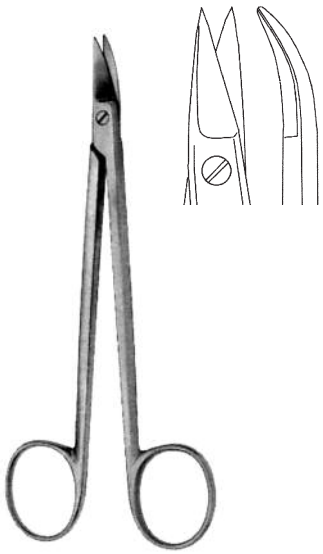
LOCKLIN
MS 102-524 16,0 cm / 6 1/4"



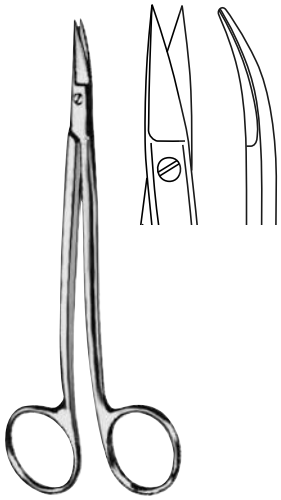


1 ağız tırtıllı
1 toothed blade

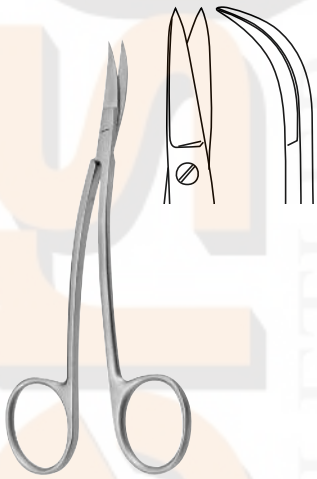
LOCKLIN
MS 102-525 16,0 cm / 6 1/4"



QUINBY
MS 102-530 12,5 cm / 5"



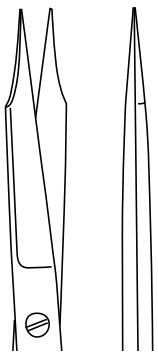
NEUMANN
MS 102-531 12,5 cm / 5"



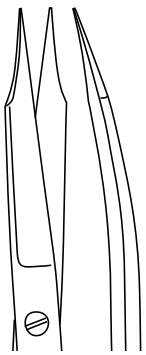
LA GRANGE
MS 102-532 11,5 cm / 4½"



GOLDMANN-FOX



MS 102-533
13,0 cm / 5⅛"



MS 102-534
13,0 cm / 5⅛"



GOLDMANN-FOX



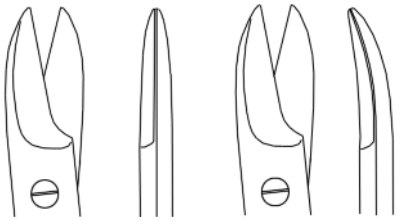
MS 102-535
13,0 cm / 5⅛"



MS 102-536
13,0 cm / 5⅛"

tırtıllı ağız
toothed blades



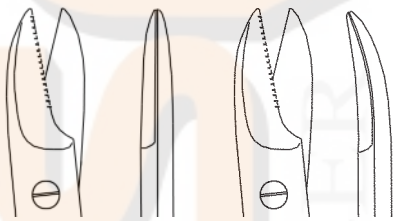


MS 102-550
10,5 cm / 4 1/4"

MS 102-551
10,5 cm / 4 1/4"

BEEBEE



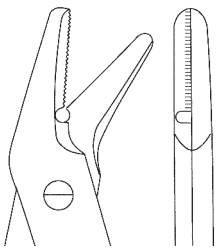


MS 102-552
10,5 cm / 4 1/4"

MS 102-553
10,5 cm / 4 1/4"

BEEBEE





UNIVERSAL

MS 102-554 12,0 cm / 4 3/4"



MS 102-560 21,0 cm / 8 1/4"



MS 102-561 21,0 cm / 8 1/4"



MS 102-562 21,0 cm / 8 1/4"



SPENCER

MS 102-570	9,0 cm / 3 1/2"
MS 102-571	10,5 cm / 4 1/4"
MS 102-572	13,0 cm / 5 1/8"



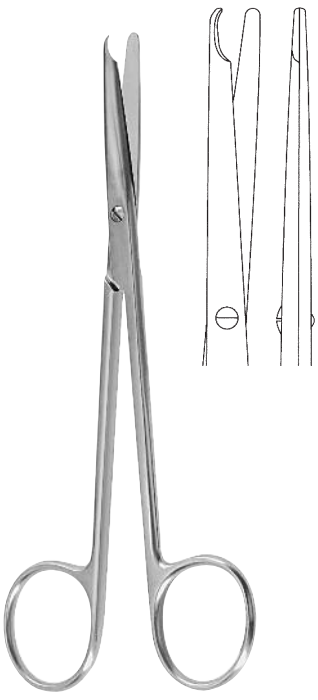
NORTHBENT

MS 102-573	9,0 cm / 3 1/2"
MS 102-574	12,5 cm / 5"



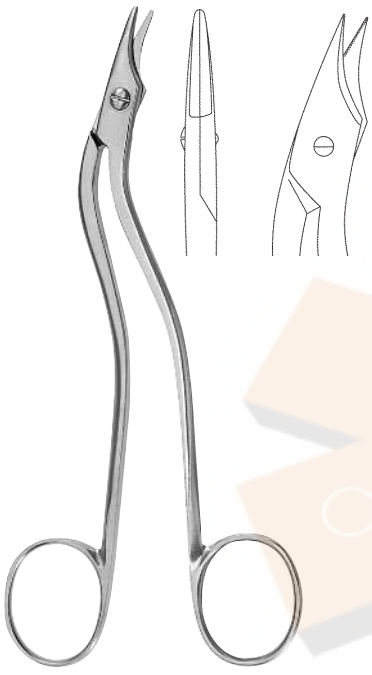
LITTAUER

MS 102-575	14,0 cm / 5 1/2"



BUCK

MS 102-576	14,5 cm / 5 3/4"
MS 102-577	18,0 cm / 7"



HEATH

MS 102-578	16,0 cm / 6 1/4"



EISELSBERG

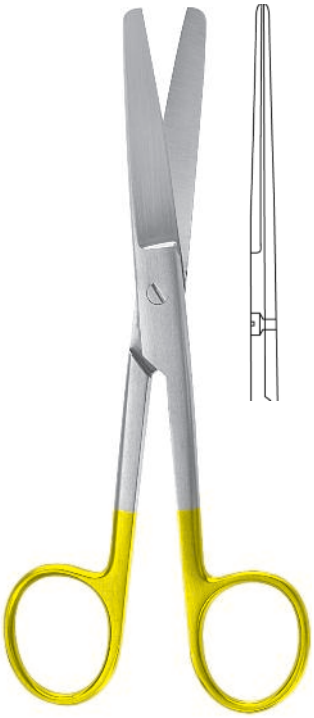
MS 102-579	12,0 cm / 4 3/4"



* uzun performans
* ekonomik
* mükemmel kesme işlemi
* düzgün kesme
* kolay tanınması için altın kaplamalı yüzük

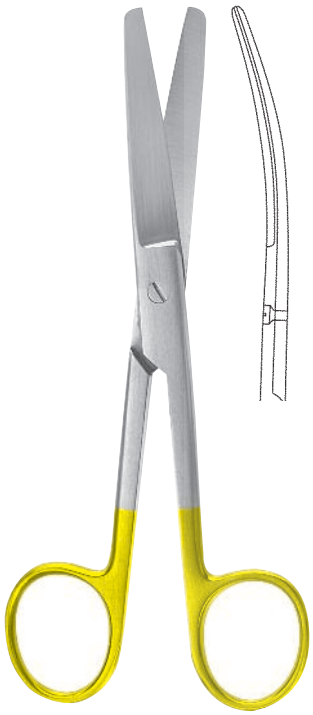
---

* long lasting performance
* economical
* excellent cutting action
* smooth cutting
* goldplated rings for easy identification



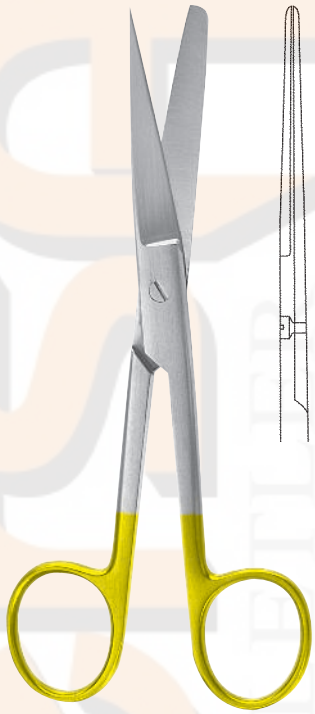
STANDART

MS 102-600 14,5 cm / 5¾"



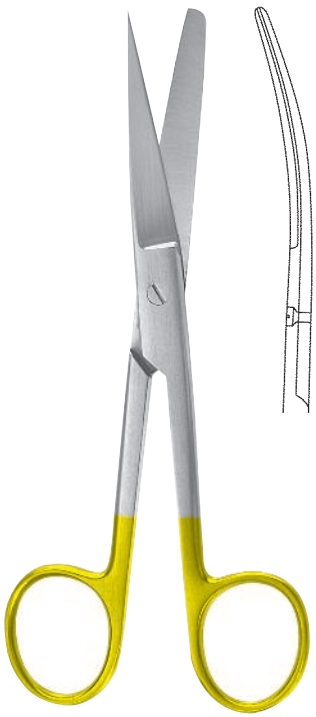
STANDART

MS 102-601 14,5 cm / 5¾"



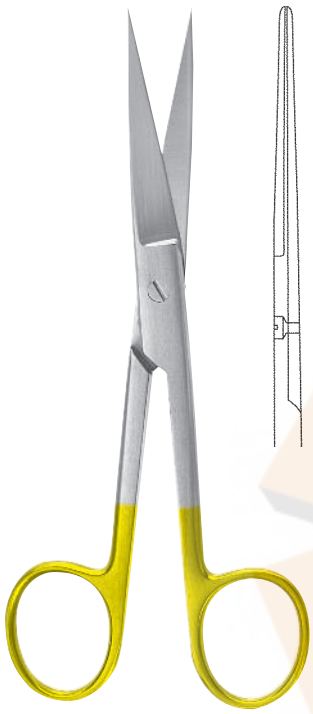
STANDART

MS 102-602 14,5 cm / 5¾"



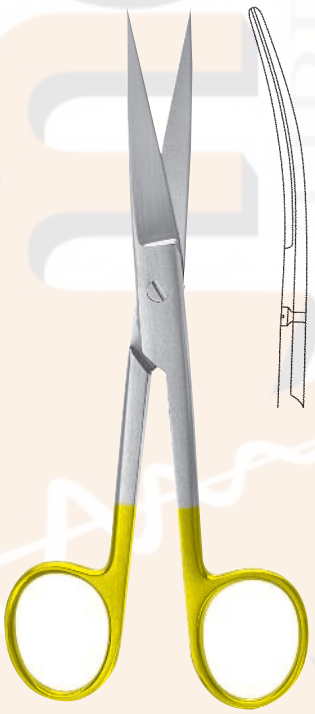
STANDART

MS 102-603 14,5 cm / 5¾"



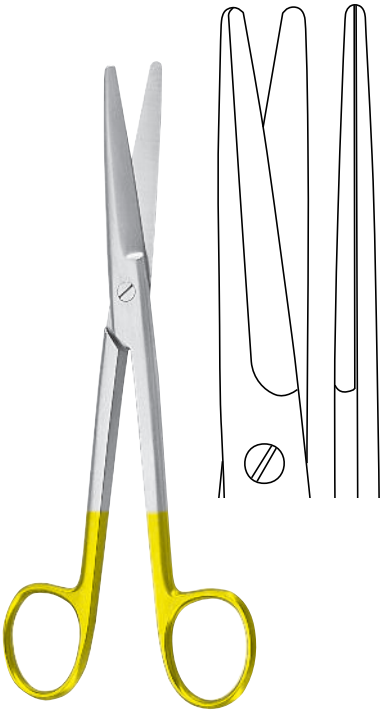
STANDART

MS 102-604 14,5 cm / 5¾"



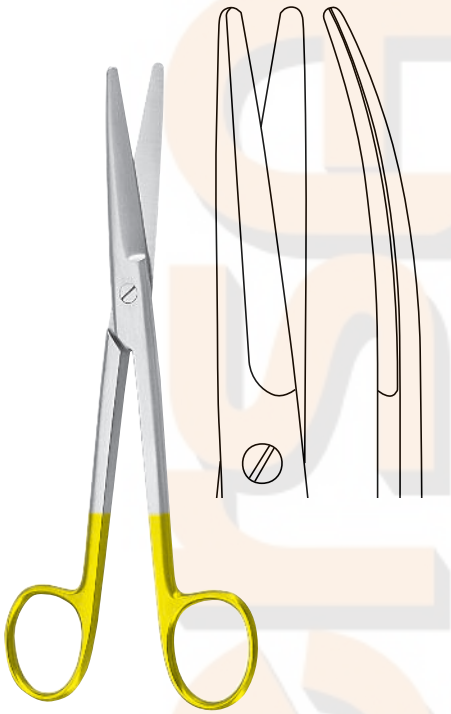
STANDART

MS 102-605 14,5 cm / 5¾"



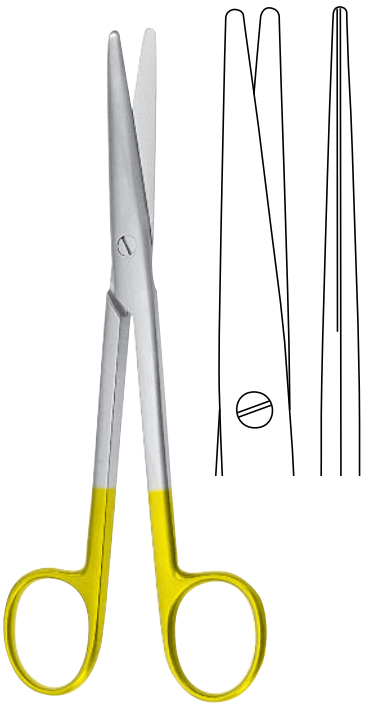
MAYO

MS 102-610	14,5 cm / 5 3/4"
MS 102-611	17,0 cm / 6 3/4"
MS 102-612	23,0 cm / 9"



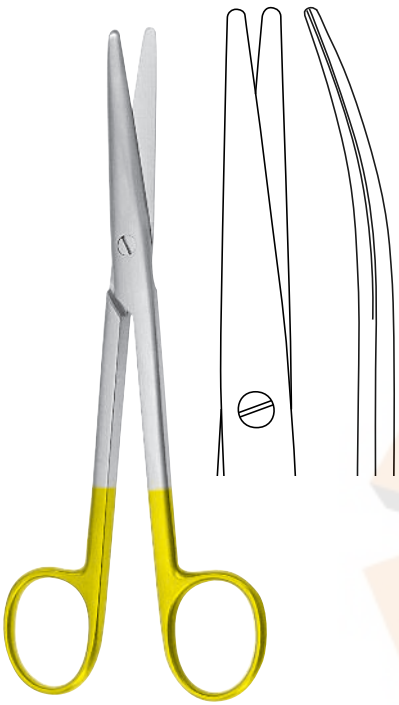
MAYO

MS 102-613	14,5 cm / 5 3/4"
MS 102-614	17,0 cm / 6 3/4"
MS 102-615	23,0 cm / 9"



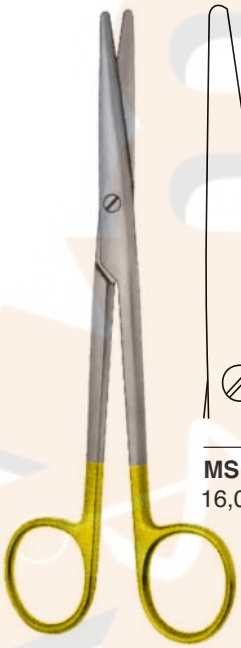
MAYO-STILLE

MS 102-616	15,0 cm / 6"
MS 102-617	17,0 cm / 6 3/4"

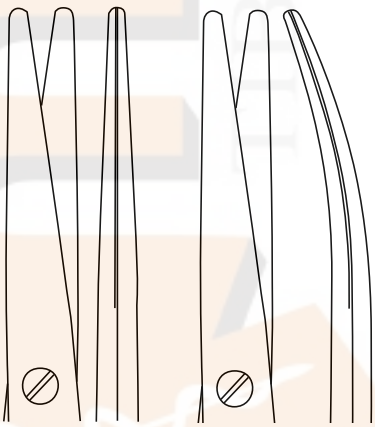


MAYO-STILLE

MS 102-618	15,0 cm / 6"
MS 102-619	17,0 cm / 6 3/4"



MAYO-LEXER



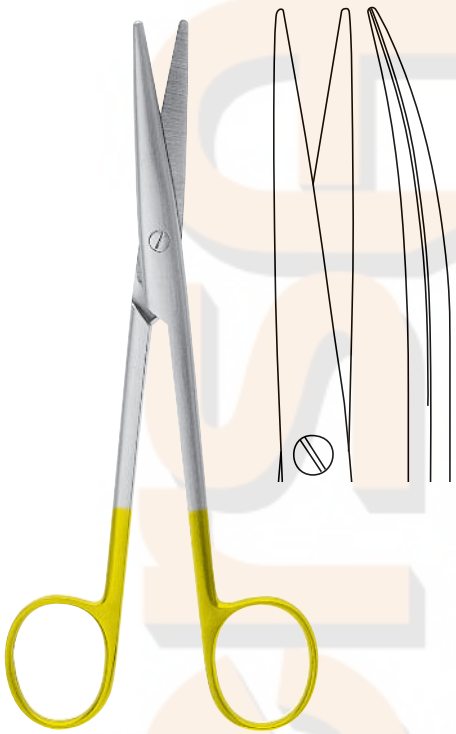
MS 102-620
16,0 cm / 6 1/4"

MS 102-621
16,0 cm / 6 1/4"



LEXER

MS 102-622	16,0 cm / 6 1/4"
MS 102-623	21,0 cm / 8 1/4"

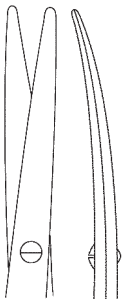


LEXER

MS 102-624	16,0 cm / 6 1/4"
MS 102-625	21,0 cm / 8 1/4"



MS 102-640
11,5 cm / 4 1/2"



MS 102-641
11,5 cm / 4 1/2"

METZENBAUM





MS 102-642
14,5 cm / 5 1/2"



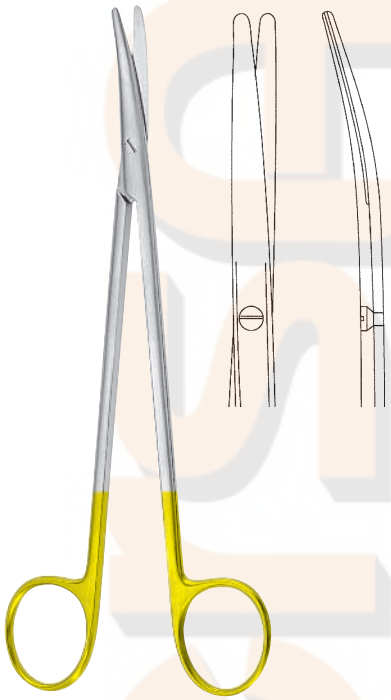
MS 102-643
14,5 cm / 5 1/2"

METZENBAUM



METZENBAUM

MS 102-644	18,0 cm / 7"
MS 102-645	20,0 cm / 8"
MS 102-646	23,0 cm / 9"
MS 102-647	25,0 cm / 10"
MS 102-648	28,0 cm / 11"
MS 102-649	30,0 cm / 12"



METZENBAUM

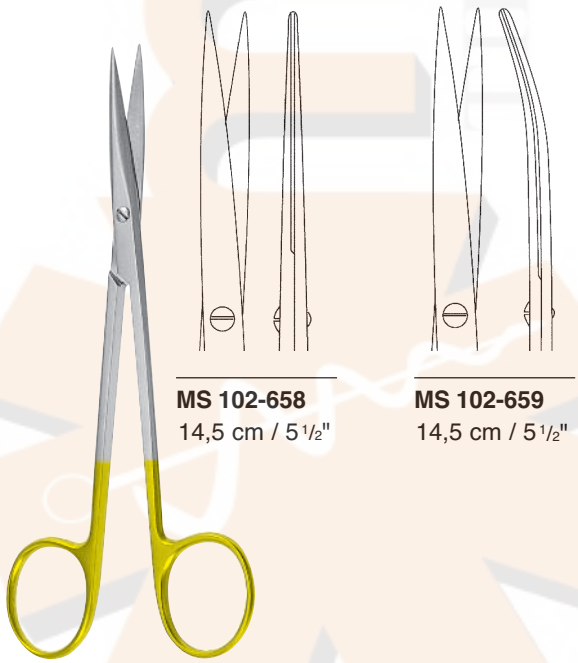
MS 102-650	18,0 cm / 7"
MS 102-651	20,0 cm / 8"
MS 102-652	23,0 cm / 9"
MS 102-653	25,0 cm / 10"
MS 102-654	28,0 cm / 11"
MS 102-655	30,0 cm / 12"



MS 102-656
14,5 cm / 5 1/2"

MS 102-657
14,5 cm / 5 1/2"

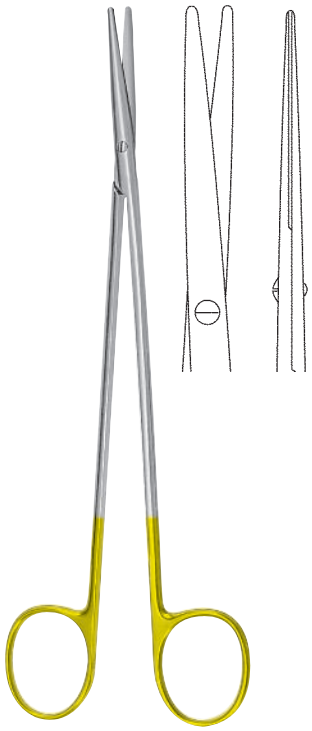
METZENBAUM-FINO



MS 102-658
14,5 cm / 5 1/2"

MS 102-659
14,5 cm / 5 1/2"

METZENBAUM-FINO



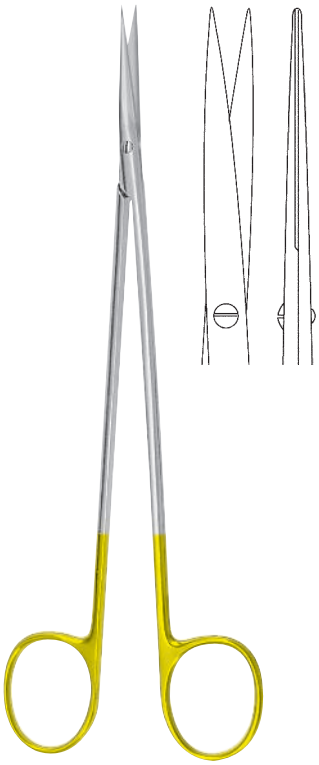
METZENBAUM-FINO

MS 102-660	18,0 cm / 7"
MS 102-661	20,0 cm / 8"
MS 102-662	23,0 cm / 9"
MS 102-663	25,0 cm / 10"
MS 102-664	28,0 cm / 11"



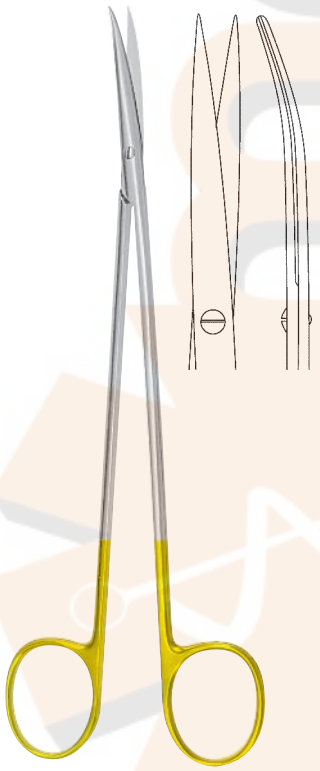
METZENBAUM-FINO

MS 102-665	18,0 cm / 7"
MS 102-666	20,0 cm / 8"
MS 102-667	23,0 cm / 9"
MS 102-668	25,0 cm / 10"
MS 102-669	28,0 cm / 11"



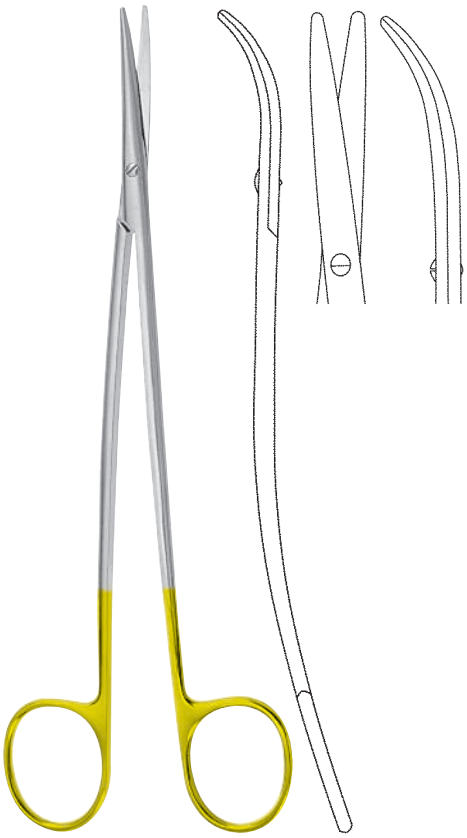
METZENBAUM-FINO

MS 102-670	18,0 cm / 7"
MS 102-671	20,0 cm / 8"
MS 102-672	23,0 cm / 9"



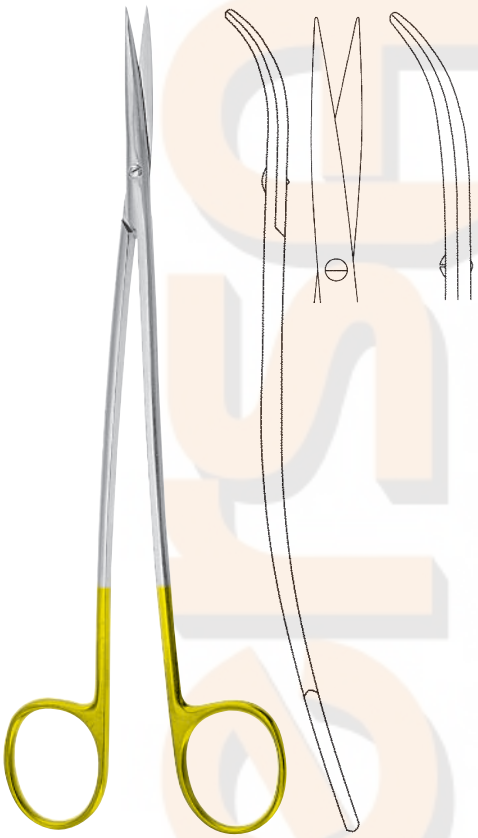
METZENBAUM-FINO

MS 102-673	18,0 cm / 7"
MS 102-674	20,0 cm / 8"
MS 102-675	23,0 cm / 9"



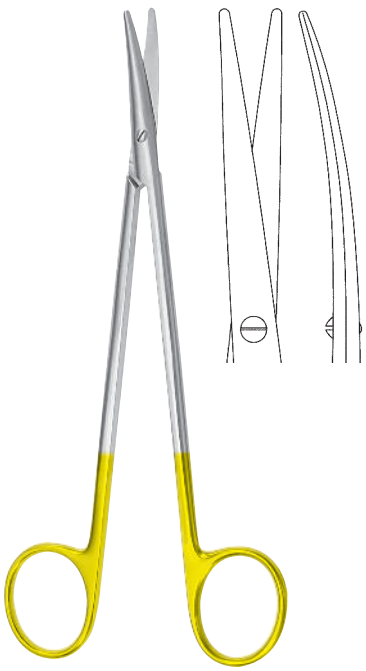
METZENBAUM-FINO S

MS 102-676	18,0 cm / 7"
MS 102-677	20,0 cm / 8"
MS 102-678	23,0 cm / 9"



METZENBAUM-FINO S

MS 102-679	18,0 cm / 7"
MS 102-680	20,0 cm / 8"
MS 102-681	23,0 cm / 9"

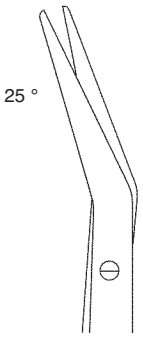


TOENNIS-ADSON

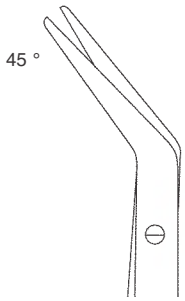
MS 102-690	17,5 cm / 7"



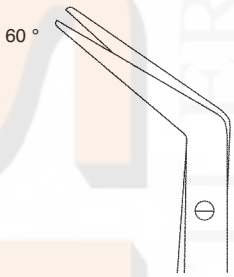
DE BAKEY



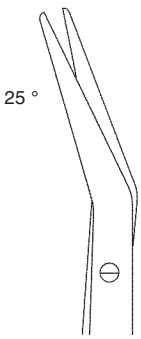
MS 102-700
18,0 cm / 7”



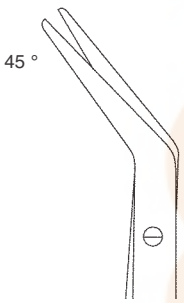
MS 102-701
18,0 cm / 7”



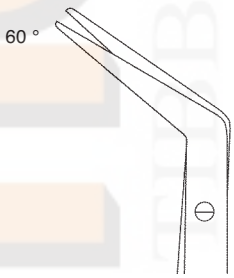
MS 102-702
18,0 cm / 7”



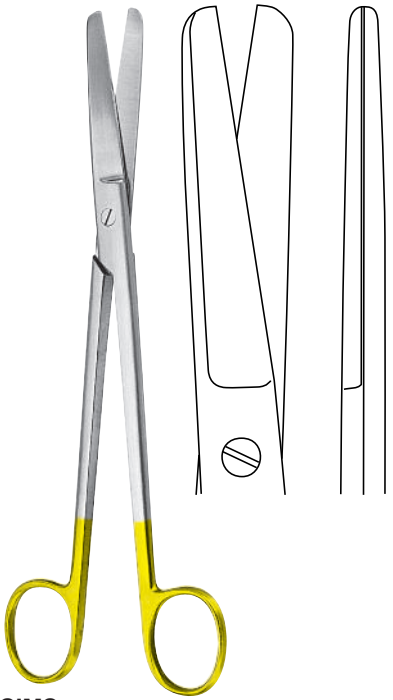
MS 102-703
23,0 cm / 9"



MS 102-704
23,0 cm / 9"

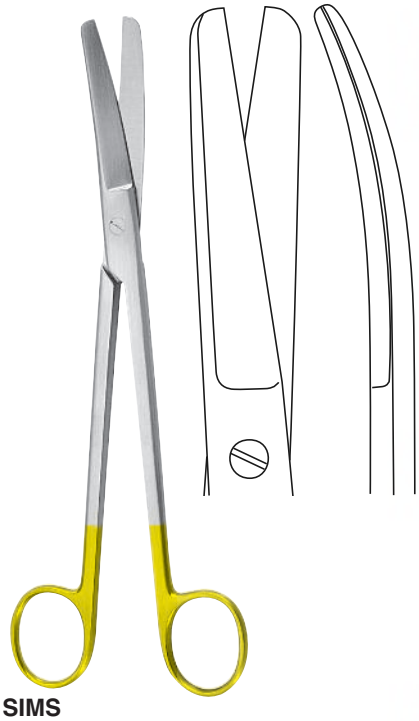


MS 102-705
23,0 cm / 9"



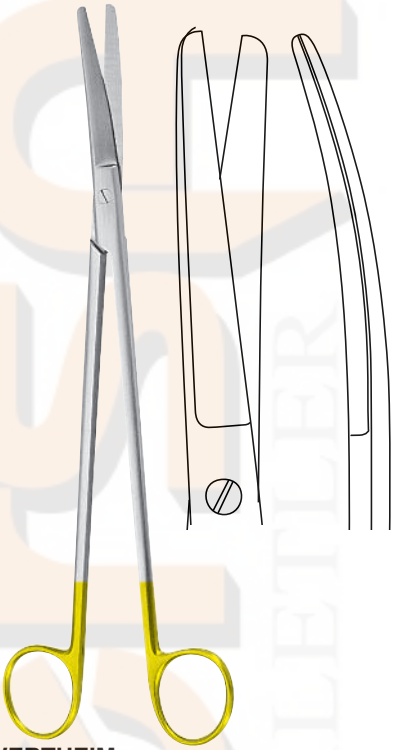
SIMS

MS 102-720	20,0 cm / 8"
MS 102-721	23,0 cm / 9"



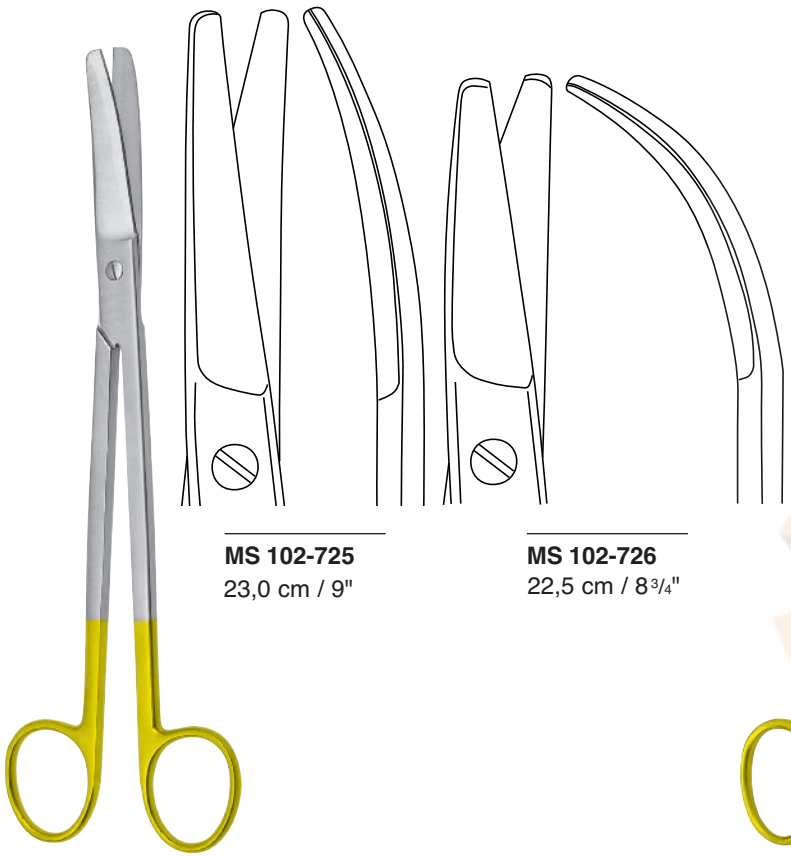
SIMS

MS 102-722	20,0 cm / 8"
MS 102-723	23,0 cm / 9"



WERTHEIM

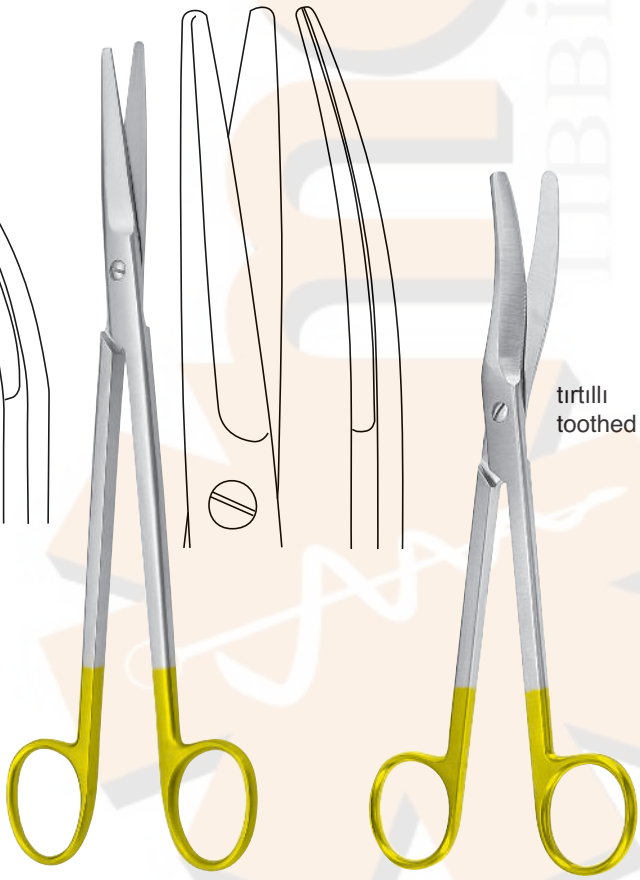
MS 102-724	22,5 cm / 8 3/4"



MS 102-725
23,0 cm / 9"

MS 102-726
22,5 cm / 8 3/4"

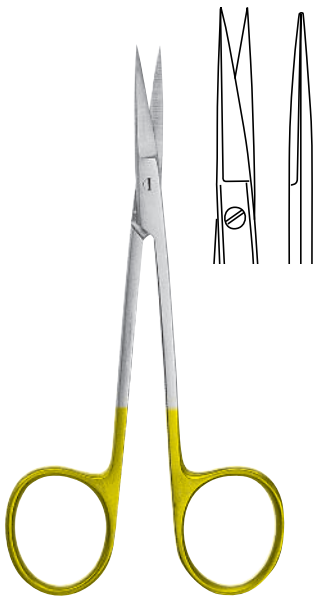
PARAMETRIUM



tırtıllı
toothed

MAYO-HARRINGTON

MS 102-727	28,0 cm / 11"
MS 102-735	19,5 cm / 7 3/4"



IRIS

MS 102-740 11,5 cm / 4 1/2"



IRIS

MS 102-741 11,5 cm / 4 1/2"



IRIS

MS 102-742 11,5 cm / 4 1/2"



MS 102-743
14,0 cm, 5 1/2"



MS 102-744
14,0 cm, 5 1/2"



JOSEPH



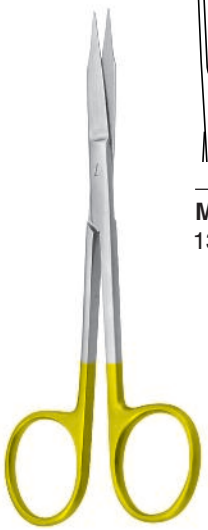
MS 102-745
16,0 cm / 6 1/4"

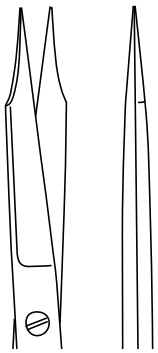


MS 102-746
16,0 cm / 6 1/4"



KELLY





MS 102-747
13,0 cm / 5 1/8"



MS 102-748
13,0 cm / 5 1/8"

GOLDMANN-FOX





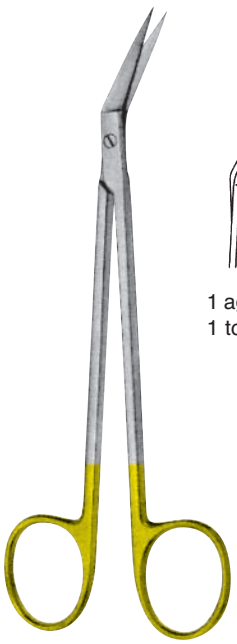
MS 102-749
13,0 cm / 5 1/8"

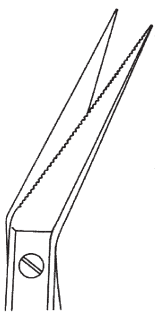


MS 102-750
13,0 cm / 5 1/8"

tırtıllı ağız
toothed blades

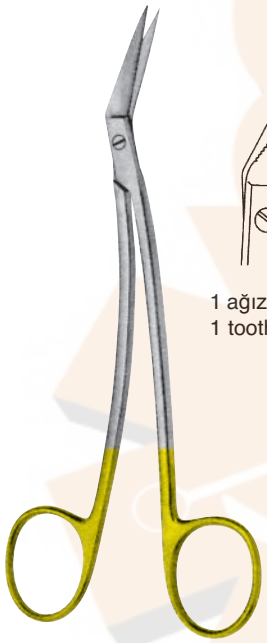
GOLDMANN-FOX

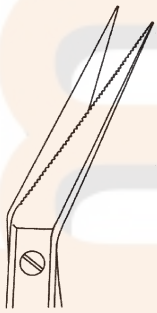




1 ağız tırtıllı
1 toothed blade

LOCKLIN
MS 102-760 16,0 cm / 6 1/4"





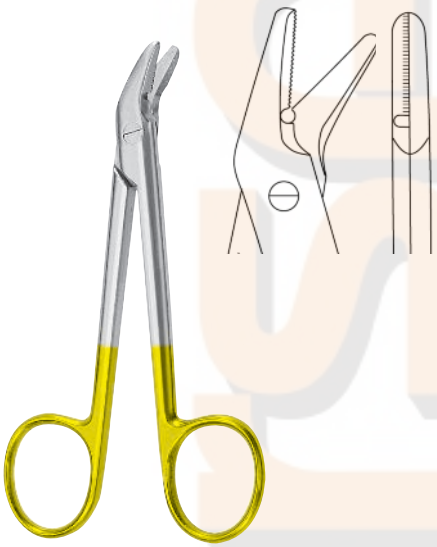
1 ağız tırtıllı
1 toothed blade

LOCKLIN
MS 102-761 16,0 cm / 6 1/4"



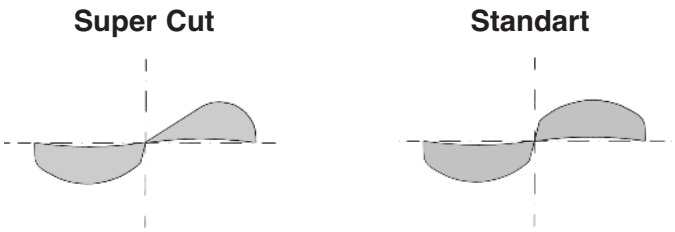
RAGNELL (KILLNER)

MS 102-765 12,0 cm / 4 3/4"



UNIVERSAL

MS 102-770 12,0 cm / 4 3/4"

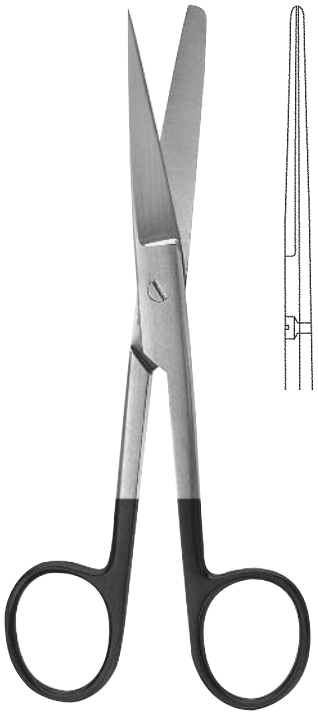




* mükemmel kesim için keskin bıçak
* dokunun kaymasını önlemesi için 1 tırtıllı bıçak
* siyah kaplamalı yüzük

---

* Knife blade sharpness for optimum cutting
* 1 serrated blade prevents tissue from slipping out
* black-plated rings



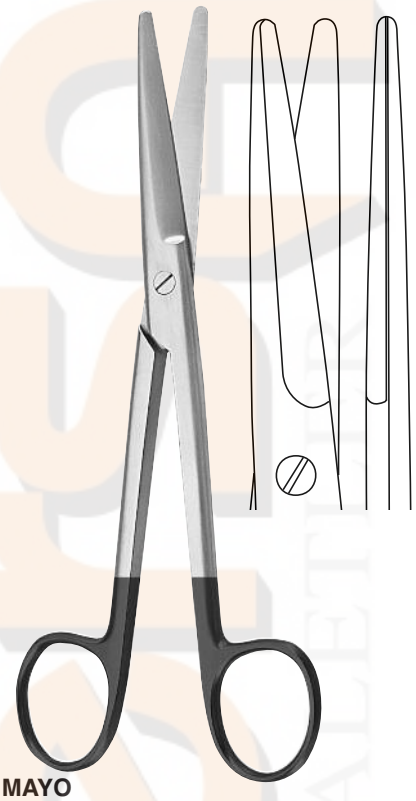
STANDART

MS 102-800	14,5 cm / 5¾"



STANDART

MS 102-801	14,5 cm / 5¾"



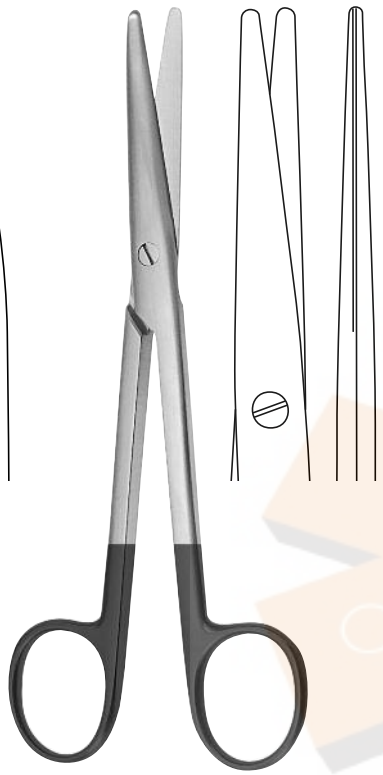
MAYO

MS 102-810	14,5 cm / 5¾"
MS 102-811	17,0 cm / 6¾"
MS 102-812	23,0 cm / 9"



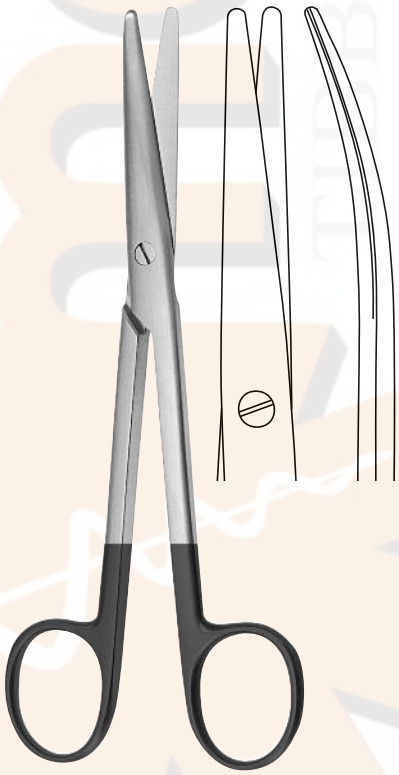
MAYO

MS 102-813	14,5 cm / 5¾"
MS 102-814	17,0 cm / 6¾"
MS 102-815	23,0 cm / 9"



MAYO-STILLE

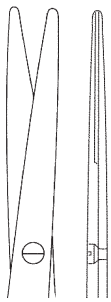
MS 102-816	15,0 cm / 6"
MS 102-817	17,0 cm / 6¾"



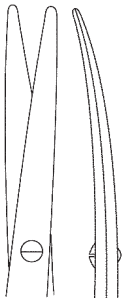
MAYO-STILLE

MS 102-818	15,0 cm / 6"
MS 102-819	17,0 cm / 6¾"





MS 102-830
11,5 cm / 4 ½"



MS 102-831
11,5 cm / 4 ½"

METZENBAUM





MS 102-832
14,5 cm / 5 ½"



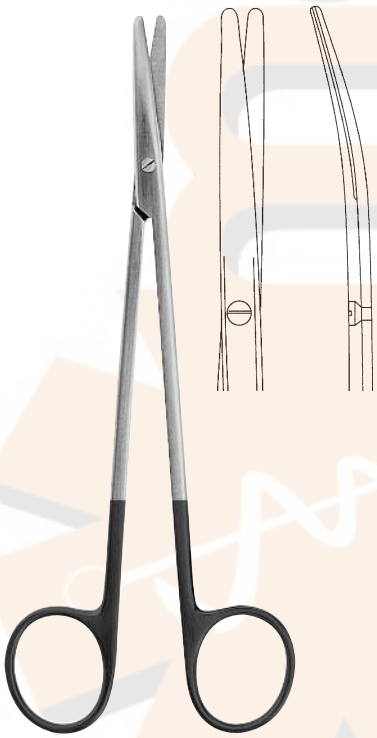
MS 102-833
14,5 cm / 5 ½"

METZENBAUM



METZENBAUM-NELSON

MS 102-834	18,0 cm / 7"
MS 102-835	20,0 cm / 8"
MS 102-836	23,0 cm / 9"

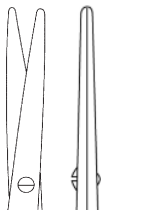


METZENBAUM-NELSON

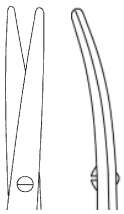
MS 102-837	18,0 cm / 7"
MS 102-838	20,0 cm / 8"
MS 102-839	23,0 cm / 9"



STRABISMUS



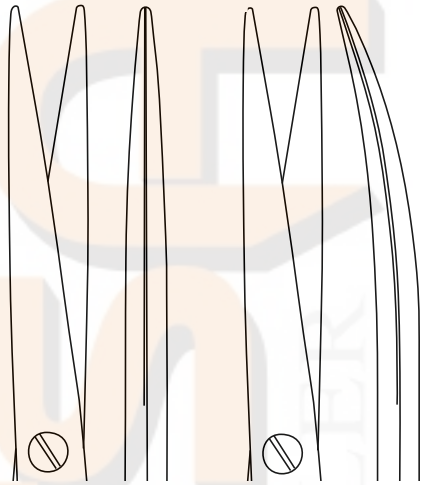
MS 102-840
11,5 cm / 4 1/2"



MS 102-841
11,5 cm / 4 1/2"

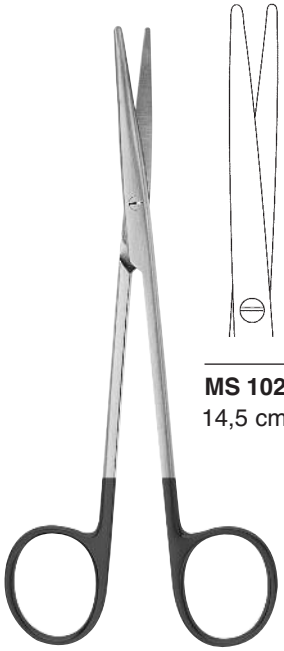


LEXER

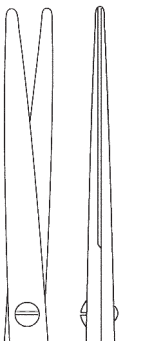


MS 102-842
16,0 cm / 6 1/4"

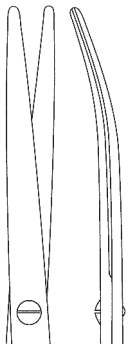
MS 102-843
16,0 cm / 6 1/4"



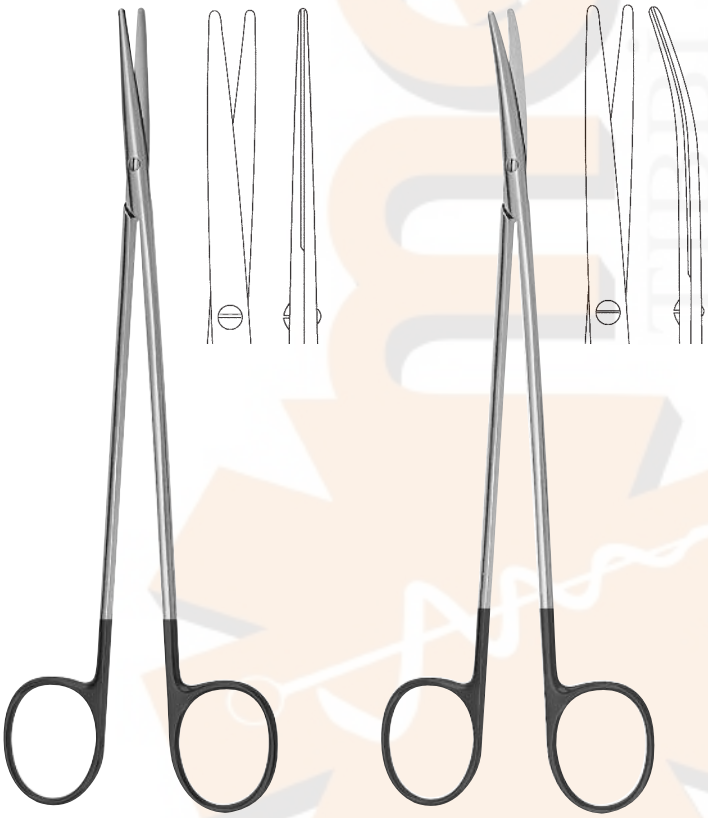
METZENBAUM-FINO



MS 102-844
14,5 cm / 5 1/2"



MS 102-845
14,5 cm / 5 1/2"

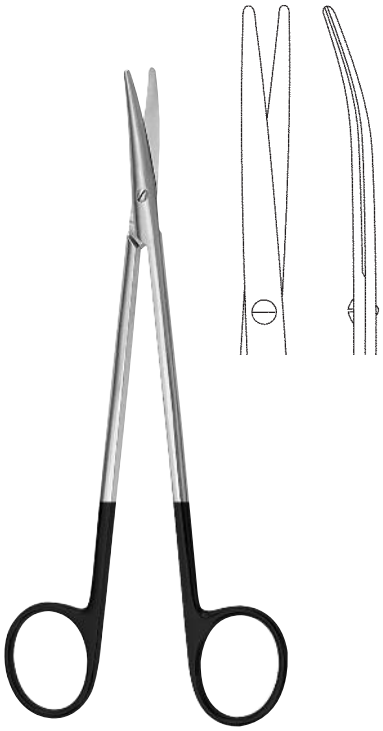


METZENBAUM-FINO

MS 102-846	18,0 cm / 7"
MS 102-847	20,0 cm / 8"
MS 102-848	23,0 cm / 9"

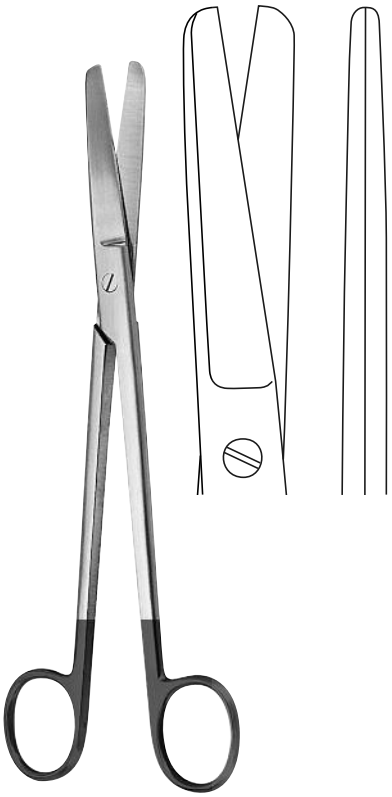
METZENBAUM-FINO

MS 102-849	18,0 cm / 7"
MS 102-850	20,0 cm / 8"
MS 102-851	23,0 cm / 9"



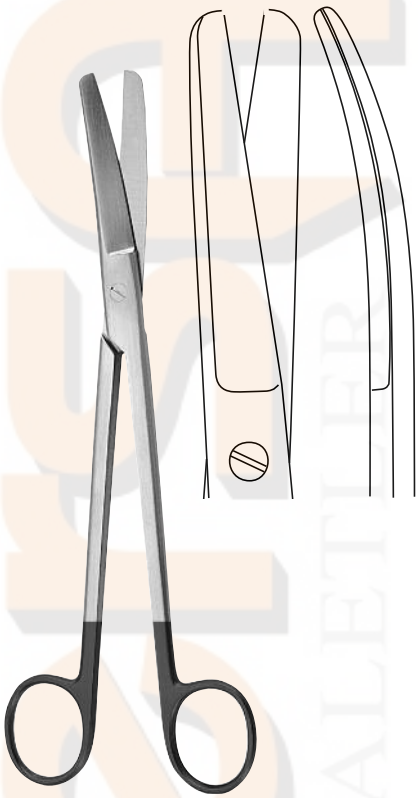
TOENNIS-ADSON

MS 102-860 17,5 cm / 7"



SIMS

MS 102-865 20,0 cm / 8"



SIMS

MS 102-866 20,0 cm / 8"

MS 102-867 23,0 cm / 9"



SIEBOLD

MS 102-868 24,0 cm / 9 ½"

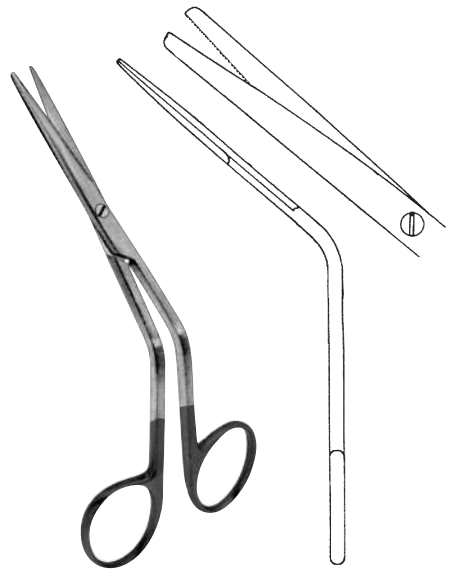


WALDMANN

MS 102-869 18,0 cm / 7"

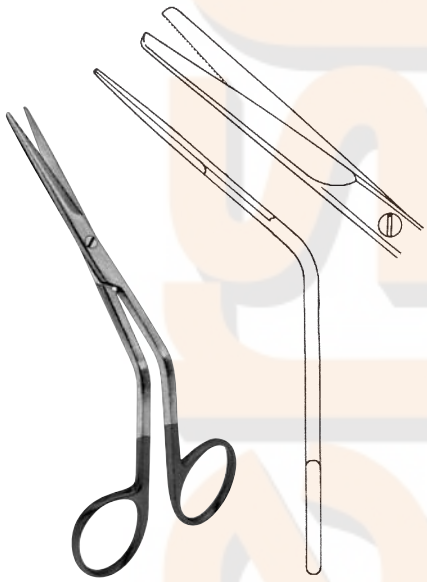


MS 102-870 20,0 cm / 8"



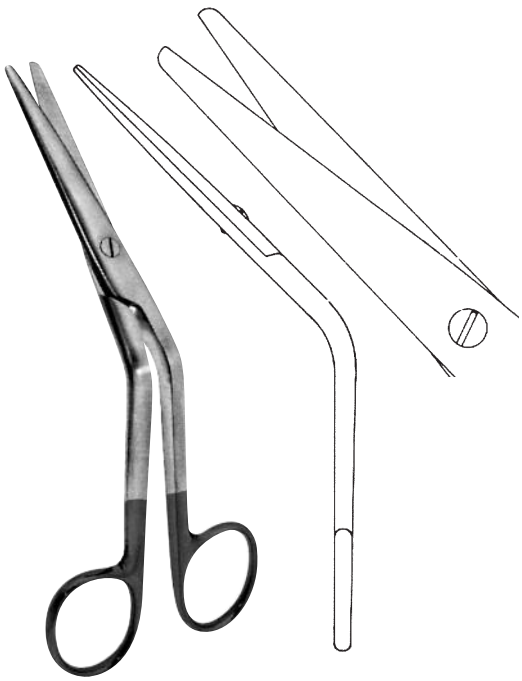
FOMON

MS 102-880 13,5 cm, 5 1/4"



FOMON

MS 102-881 14,5 cm, 5 3/4"



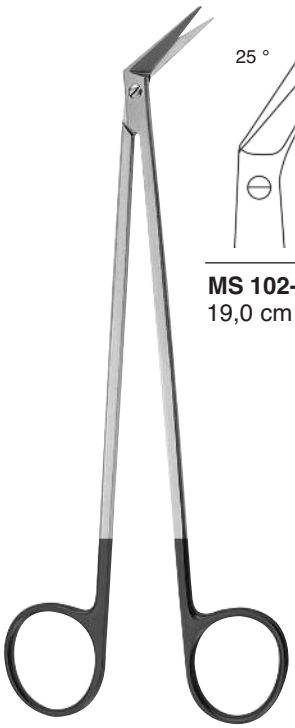
COTTLE

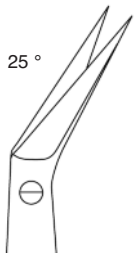
MS 102-882 16,0 cm / 6 1/4"



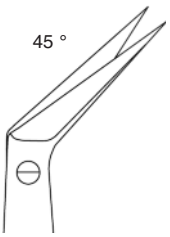
HEYMANN

MS 102-883 18,0 cm / 7"

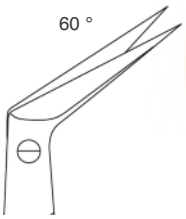




MS 102-890
19,0 cm / 7 1/2"

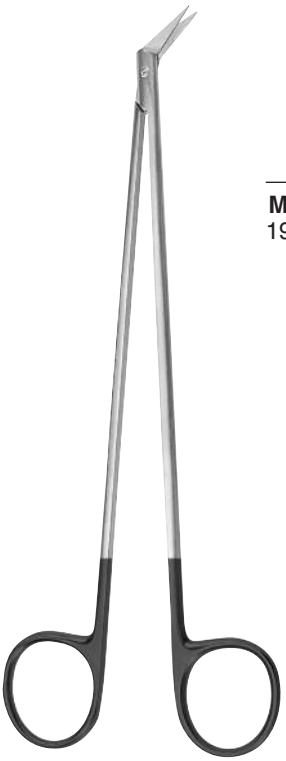


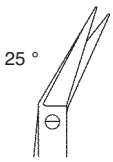
MS 102-891
19,0 cm / 7 1/2"



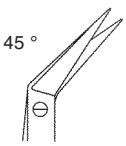
MS 102-892
19,0 cm / 7 1/2"

POTTS-SMITH

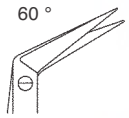




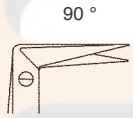
MS 102-893
19,0 cm / 7 1/2"



MS 102-894
19,0 cm / 7 1/2"



MS 102-895
19,0 cm / 7 1/2"

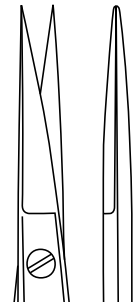


MS 102-896
19,0 cm / 7 1/2"

DIETRICH



KELLY



MS 102-900
16,0 cm / 6 1/4"



MS 102-901
16,0 cm / 6 1/4"



JOSEPH



MS 102-902
14,0 cm, 5 1/2"



MS 102-903
14,0 cm, 5 1/2"



IRIS



MS 102-904
11,5 cm / 4 1/2"



MS 102-905
11,5 cm / 4 1/2"



WAGNER



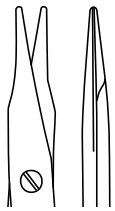
MS 102-906
12,0 cm / 4 3/4"



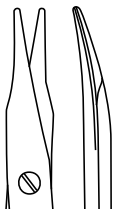
MS 102-907
12,0 cm / 4 3/4"



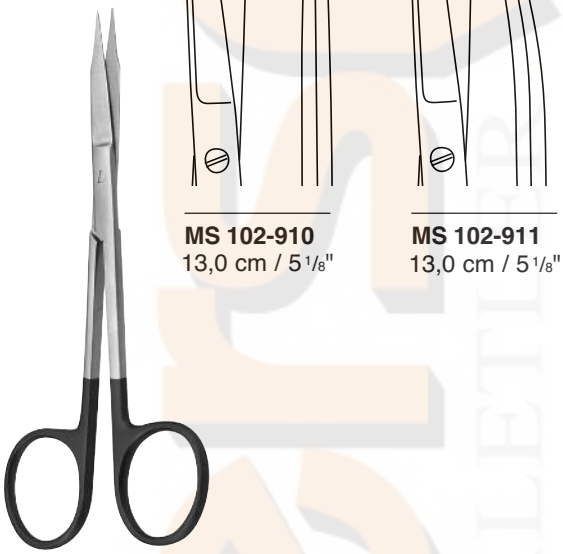
STEVENS



MS 102-908
11,5 cm / 4 1/2"



MS 102-909
11,5 cm / 4 1/2"



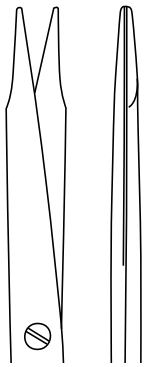
GOLDMANN-FOX

MS 102-910
13,0 cm / 5 1/8"

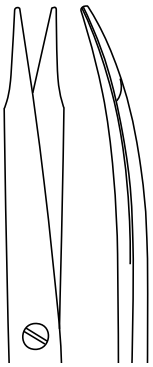
MS 102-911
13,0 cm / 5 1/8"



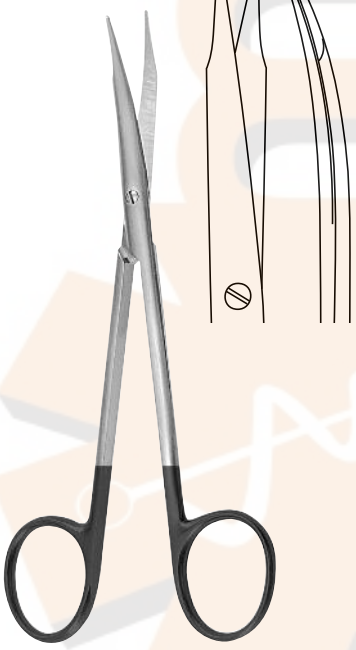
REYNOLDS



MS 102-912
15,0 cm / 6"

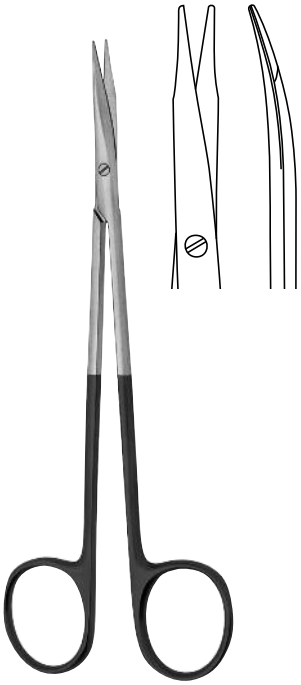


MS 102-913
15,0 cm / 6"



REYNOLDS

MS 102-914 17,5 cm / 7"



JAMESON

MS 102-915 15,0 cm / 6"



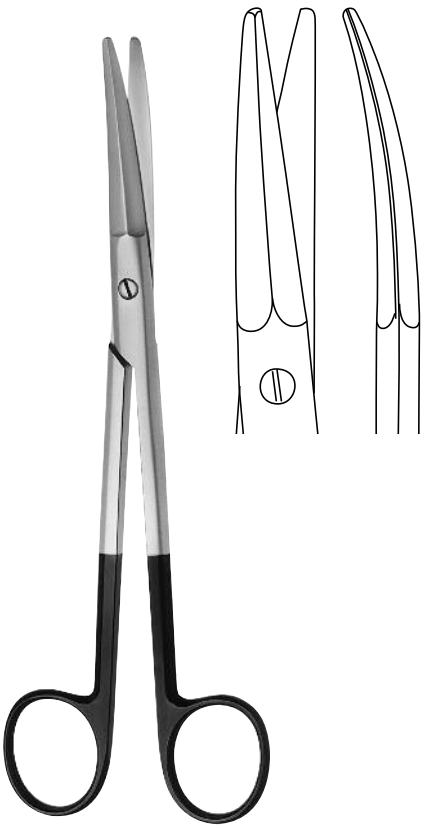
PAR-TYPE



MS 102-930
12,0 cm / 4 3/4"

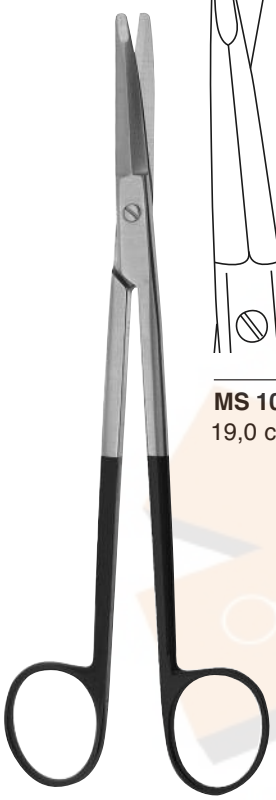


MS 102-931
12,0 cm / 4 3/4"



KAYE FACE LIFT

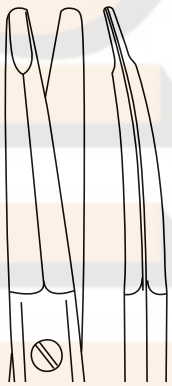
MS 102-932 15,0 cm / 6"
MS 102-933 19,0 cm / 7 1/2"



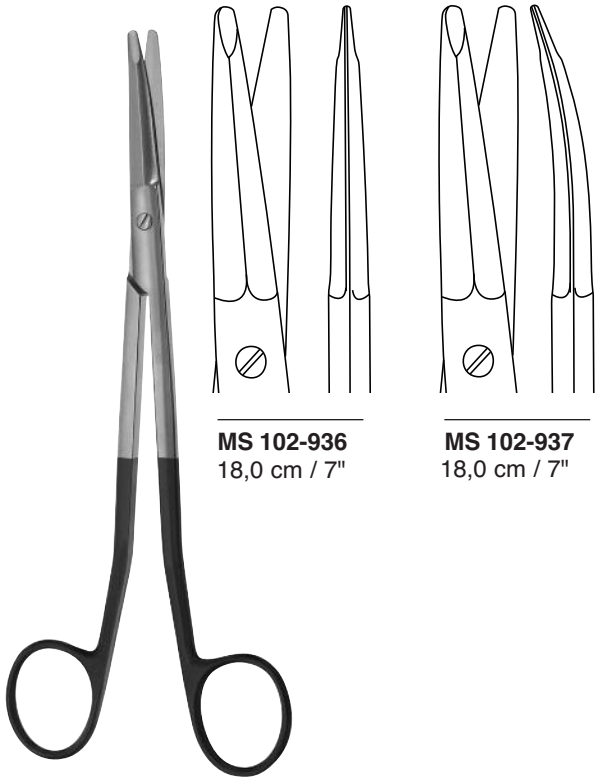
GORNEY



MS 102-934
19,0 cm / 7 1/2"



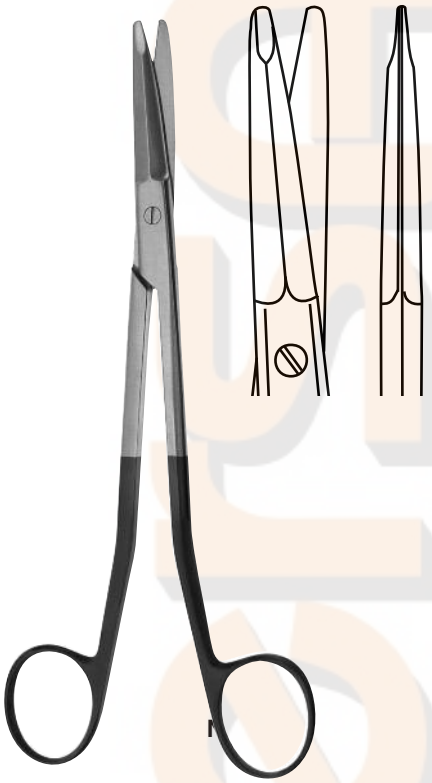
MS 102-935
19,0 cm / 7 1/2"



MS 102-936
18,0 cm / 7"

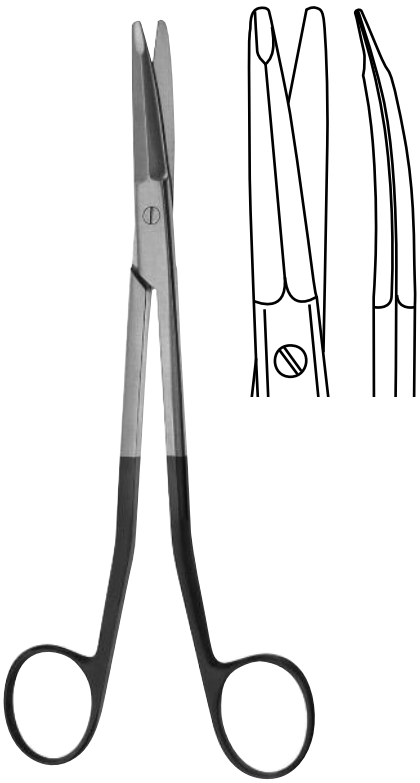
MS 102-937
18,0 cm / 7"

FREEMANN-KAYE



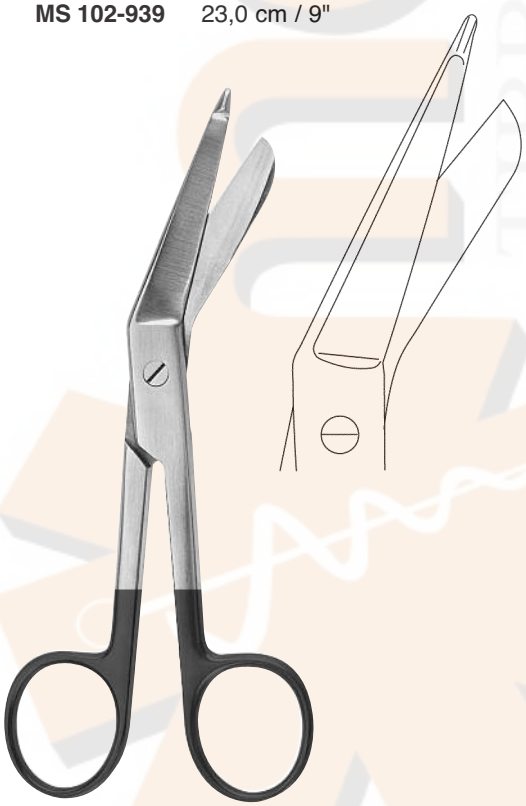
FREEMANN-GOR EY

MS 102-938 19,0 cm / 7 1/2"
MS 102-939 23,0 cm / 9"



FREEMANN-GORNEY

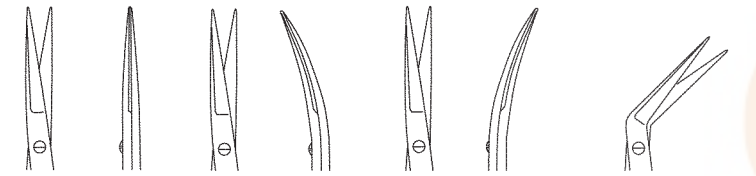
MS 102-940 19,0 cm / 7 1/2"
MS 102-941 23,0 cm / 9"



LISTER

MS 102-950 14,0 cm / 5 1/2"
MS 102-951 18,0 cm / 7"
MS 102-952 20,0 cm / 8"



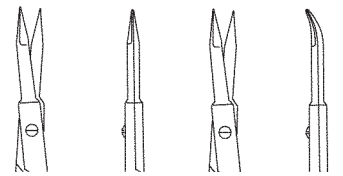


MS 102-1000
18,5 cm / 7 1/2"

MS 102-1001
18,5 cm / 7 1/2"
eğri
curved

MS 102-1002
18,5 cm / 7 1/2"
geriye doğru eğri
cur. downward

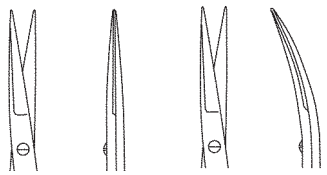
MS 102-1003
18,5 cm / 7 1/2"
açılı
angled



MS 102-1004
18,5 cm / 7 1/2"

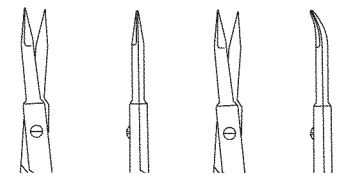
MS 102-1005
18,5 cm / 7 1/2"





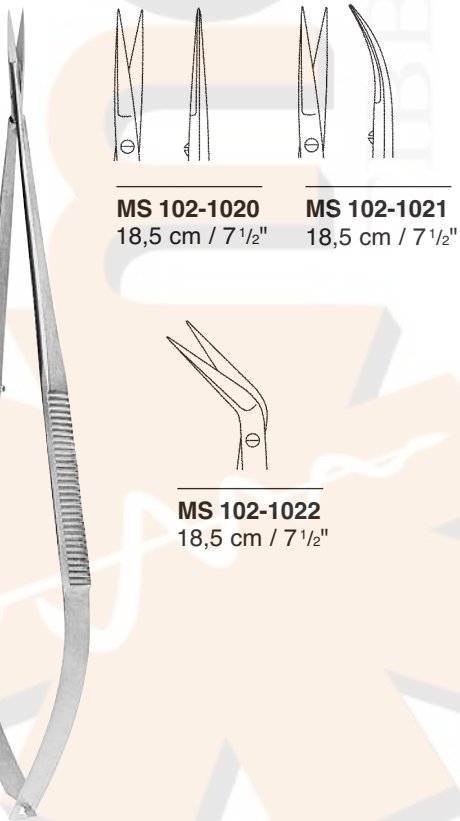
JACOBSON
MS 102-1010
22,5 cm / 8 3/4"

POTTS
MS 102-1011
22,5 cm / 8 3/4"



MS 102-1012
22,5 cm / 8 3/4"

MS 102-1013
22,5 cm / 8 3/4"

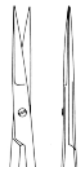


MS 102-1020
18,5 cm / 7 1/2"

MS 102-1021
18,5 cm / 7 1/2"

MS 102-1022
18,5 cm / 7 1/2"







MS 102-1030 11,5 cm / 8 3/4"
MS 102-1031 11,5 cm / 8 3/4"

WESTCOTT



MS 102-1032 11,0 cm / 4 1/2"



MS 102-1033 12,0 cm / 5"



GOMEL
MS 102-1034 14,0 cm / 5 1/2"
MS 102-1035 18,0 cm / 6 1/4"



HEPP/SCHEIDEL
MS 102-1036 14,0 cm / 5 1/2"
MS 102-1037 16,0 cm / 6 1/4"





MS 102-1038
9,0 cm / 3 1/2"

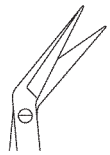


MS 102-1039
9,0 cm / 3 1/2"





MS 102-1050
18,0 cm / 7"



MS 102-1051
18,0 cm / 7"



MS 102-1052
18,0 cm / 7"



MS 102-1053
18,0 cm / 7"



MS 102-1054
18,0 cm / 7"

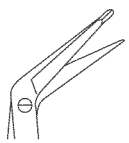




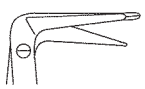
MS 102-1060
18,0 cm / 7"



MS 102-1061
18,0 cm / 7"



MS 102-1062
18,0 cm / 7"



MS 102-1063
18,0 cm / 7"



MS 102-1064
18,0 cm / 7"





MS 102-1070
14 cm / 5 ½"



MS 102-1071
15,5 cm / 6"



REILL
MS 102-1072
15,5 cm / 6"

1 bıçak testere ağız
1 blade saw edge





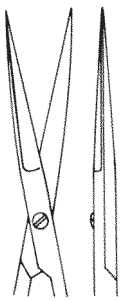
MS 102-1073
18,0 cm / 7 ¼"



MS 102-1074
18,0 cm / 7 ¼"

1 bıçak testere ağız
1 blade saw edge





HEPP/SCHEIDEL
MS 102-1075 18,0 cm / 7 ¼"





MS 102-1076 18,0 cm / 7 ¼"



HEPP/SCHEIDEL
MS 102-1077 18,0 cm / 7 ¼"

mersa
TIBBİ ALETLER

103



PENSETLER
FORCEPS



STANDART

MS 103-101	10,5 cm / 4 1/8"
MS 103-102	11,5 cm / 4 1/2"
MS 103-103	13,0 cm / 5"
MS 103-104	14,5 cm / 5 3/4"
MS 103-105	16,0 cm / 6 1/4"
MS 103-106	18,0 cm / 7"
MS 103-107	20,0 cm / 8"
MS 103-108	25,0 cm / 10"
MS 103-109	30,0 cm / 12"



STANDART

MS 103-120	11,5 cm / 4 1/2"
MS 103-121	13,0 cm / 5"
MS 103-122	14,5 cm / 5 3/4"
MS 103-123	16,0 cm / 6 1/4"
MS 103-124	18,0 cm / 7"
MS 103-125	20,0 cm / 8"
MS 103-126	25,0 cm / 10"
MS 103-127	30,0 cm / 12"



MOD. USA

MS 103-140	12,0 cm / 4 3/4"
MS 103-141	13,0 cm / 5"
MS 103-142	14,5 cm / 5 3/4"
MS 103-143	15,5 cm / 6"
MS 103-144	18,0 cm / 7"
MS 103-145	21,0 cm / 8"
MS 103-146	25,0 cm / 10"
MS 103-147	31,0 cm / 12"



MOD. USA

MS 103-160	12,0 cm / 4 3/4"
MS 103-161	13,0 cm / 5"
MS 103-162	14,5 cm / 5 3/4"
MS 103-163	15,5 cm / 6 1/8"



ADSON

MS 103-170	12,0 cm / 4 3/4"
MS 103-171	15,0 cm / 6"



MICRO-ADSON

MS 103-172	12,0 cm / 4 3/4"
MS 103-173	15,0 cm / 6"



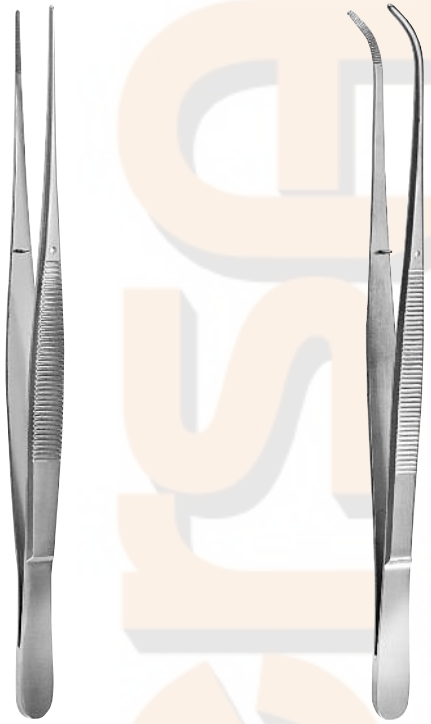
MC INDOE

MS 103-180	15,0 cm / 6"



SEMKEN

MS 103-181	12,5 cm / 5"
MS 103-182	15,0 cm / 6"



POTTS-SMITH

MS 103-183	18,0 cm / 7"
MS 103-184	21,0 cm / 8¼"
MS 103-185	25,0 cm / 10"

POTTS-SMITH

MS 103-186	18,0 cm / 7"
MS 103-187	21,0 cm / 8¼"
MS 103-188	25,0 cm / 10"



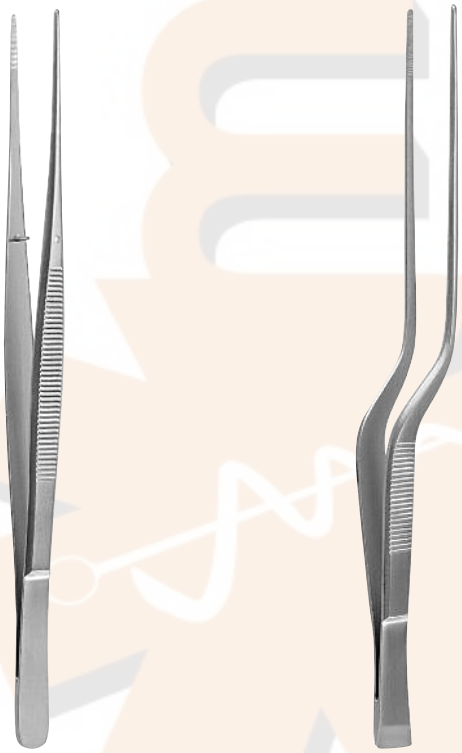
BROPHY

MS 103-189	20,0 cm / 8"



BROPHY

MS 103-190	20,0 cm / 8"



TAYLOR

MS 103-191	17,5 cm / 7"

TAYLOR

MS 103-192	17,5 cm / 7"



CUSHING
MS 103-193 17,5 cm / 7"



CUSHING
MS 103-194 17,5 cm / 7"



GERALD
MS 103-195 18,0 cm / 7"



GERALD
MS 103-196 18,0 cm / 7"



MS 103-210 12,5 cm / 5"
MS 103-211 15,5 cm / 6 1/8"



DUEHRSEN
MS 103-212 20,0 cm / 8"



RAMSEY
MS 103-213 18,0 cm / 7"



1x2

STANDART

MS 103-230	10,5 cm / 4 1/8”
MS 103-231	11,5 cm / 4 1/2”
MS 103-232	13,0 cm / 5”
MS 103-233	14,5 cm / 5 3/4”
MS 103-234	16,0 cm / 6 1/4”
MS 103-235	18,0 cm / 7”
MS 103-236	20,0 cm / 8”
MS 103-237	25,0 cm / 10”
MS 103-238	30,0 cm / 12”



4x5

MS 103-273	13,0 cm / 5”
MS 103-274	14,5 cm / 5 3/4”
MS 103-275	16,0 cm / 6 1/4”



2x3

MS 103-250	11,5 cm / 4 1/2”
MS 103-251	13,0 cm / 5”
MS 103-252	14,5 cm / 5 3/4”
MS 103-253	16,0 cm / 6 1/4”
MS 103-254	18,0 cm / 7”
MS 103-255	20,0 cm / 8”
MS 103-256	25,0 cm / 10”
MS 103-257	30,0 cm / 12”



1x2

MS 103-290	11,5 cm / 4 1/2”
MS 103-291	13,0 cm / 5”
MS 103-292	14,5 cm / 5 3/4”
MS 103-293	16,0 cm / 6 1/4”
MS 103-294	18,0 cm / 7”
MS 103-295	20,0 cm / 8”



3x4

MS 103-270	13,0 cm / 5”
MS 103-271	14,5 cm / 5 3/4”
MS 103-272	16,0 cm / 6 1/4”



1x2

MS 103-310	13,0 cm / 5”
MS 103-311	14,5 cm / 5 3/4”


1x2

USA MODELL

MS 103-312	12,0 cm / 4 3/4”
MS 103-313	13,0 cm / 5”
MS 103-314	14,5 cm / 5 3/4”
MS 103-315	15,5 cm / 6”
MS 103-316	18,0 cm / 7”
MS 103-317	21,0 cm / 8 1/4”
MS 103-318	25,0 cm / 9 3/4”
MS 103-319	31,0 cm / 12 1/4”


2x3

USA MODELL

MS 103-330	13,0 cm / 5”
MS 103-331	14,5 cm / 5 3/4”
MS 103-332	15,5 cm / 6”


1x2

STILLE

MS 103-340	15,0 cm / 6”


2x3

STILLE

MS 103-341	15,0 cm / 6”


1x2

ADSON

MS 103-350	12,0 cm / 4 3/4”
MS 103-351	15,0 cm / 6”


1x2

MIKRO-ADSON

MS 103-352	12,0 cm / 4 3/4”
MS 103-353	15,0 cm / 6”


1x2

ADSON

MS 103-354	12,0 cm / 4 3/4”


7x7

ADSON-BROWN

MS 103-355	12,0 cm / 4 3/4”



STONE

MS 103-360 15,0 cm / 6”



LERCHE

MS 103-361 15,0 cm / 6”



ADLERKREUTZ

MS 103-370 15,0 cm / 6”
MS 103-371 20,0 cm / 8”



ADLERKREUTZ

MS 103-372 15,0 cm / 6”
MS 103-373 20,0 cm / 8”



GILLIES

MS 103-380 15,0 cm / 6”



SEMKEN

MS 103-381 12,5 cm / 5”
MS 103-382 15,0 cm / 6”



TAYLOR

MS 103-383 17,5 cm / 7”



TAYLOR

MS 103-384 17,5 cm / 7”


1x2

GERALD

MS 103-385 17,5 cm / 7”


1x2

GERALD

MS 103-386 17,5 cm / 7”


1x2

CUSHING

MS 103-387 17,5 cm / 7”


1x2

CUSHING

MS 103-388 17,5 cm / 7”


1x2

POTTS-SMITH

MS 103-389 18,0 cm / 7”
MS 103-390 21,0 cm / 8¼”
MS 103-391 25,0 cm / 10”


1x2

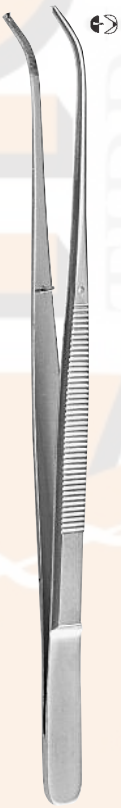
POTTS-SMITH

MS 103-392 18,0 cm / 7”
MS 103-393 21,0 cm / 8¼”
MS 103-394 25,0 cm / 10”


1x2

BROPHY

MS 103-395 20,0 cm / 8”


1x2

BROPHY

MS 103-396 20,0 cm / 8”



WAUGH

MS 103-410	20,0 cm / 8”



DUEHRSEN

MS 103-411	20,0 cm / 8”

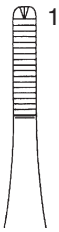


STILLE-BARRAYA

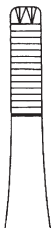
MS 103-412	18,0 cm / 7”
MS 103-413	20,0 cm / 8”
MS 103-414	25,0 cm / 10”



FERRIS-SMITH



MS 103-420
18,0 cm / 7”



MS 103-421
18,0 cm / 7”



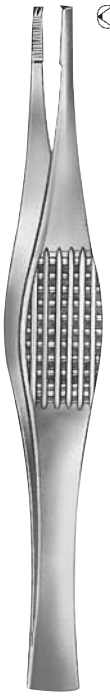
LANE

MS 103-430	14,5 cm / 5¾”
MS 103-431	17,5 cm / 7”



LANE

MS 103-432	14,5 cm / 5¾”
MS 103-433	17,5 cm / 7”



RAMSEY

MS 103-440 18,0 cm / 7”



RAMSEY

MS 103-441 18,0 cm / 7”



BONNEY

MS 103-450 18,0 cm / 7”



BONNEY

MS 103-451 18,0 cm / 7”



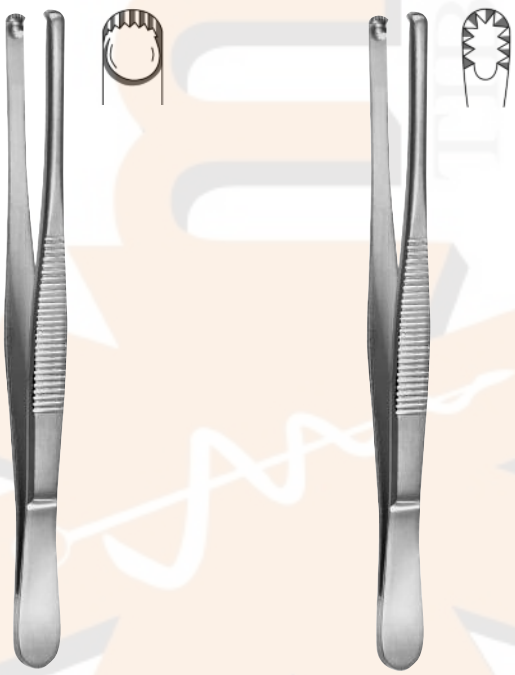
TREVES

MS 103-460 13,0 cm / 5”
MS 103-461 15,0 cm / 6”



BROWN

MS 103-470 15,0 cm / 6”



DURANTE

MS 103-480 14,5 cm / 5 3/4”
MS 103-481 16,0 cm / 6 1/4”
MS 103-482 20,0 cm / 8”

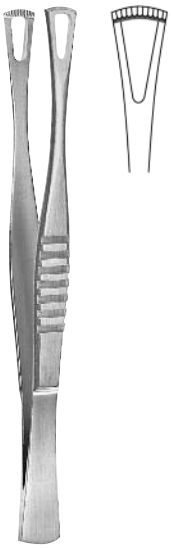
RUSS. MODELL

MS 103-490 15,0 cm / 6”
MS 103-491 20,0 cm / 8”
MS 103-492 25,0 cm / 10”



NELSON

MS 103-500 23,0 cm / 9”



DUVAL

MS 103-501 14,0 cm / 5½”



COLLIN-DUVAL

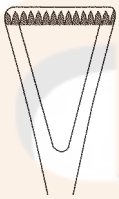


FIG. 1

MS 103-502
20,0 cm / 8”

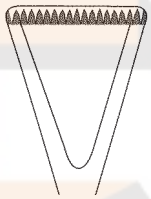


FIG. 2

MS 103-503
20,0 cm / 8”

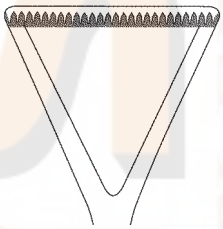


FIG. 3

MS 103-504
20,0 cm / 8”



SINGLEY-TUTTLE

MS 103-505 23,0 cm / 9”



DENIS-BROWNE

MS 103-506 20,0 cm / 8”



GRAEFE
MS 103-521 10,0 cm / 4”



GRAEFE
MS 103-522 10,0 cm / 4”



GRAEFE
MS 103-523 10,0 cm / 4”



GRAEFE
MS 103-524 10,0 cm / 4”



GRAEFE
MS 103-525 10,0 cm / 4”



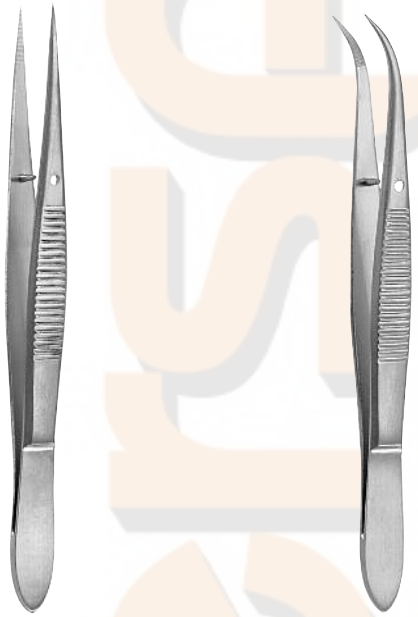
GRAEFE
MS 103-526 10,0 cm / 4”



MS 103-527	8,0 cm / 3 1/4”
MS 103-528	9,0 cm / 3 1/2”
MS 103-529	10,5 cm / 4 1/8”
MS 103-530	11,5 cm / 4 1/2”
MS 103-531	12,5 cm / 5”



MS 103-532	8,0 cm / 3 1/4”
MS 103-533	9,0 cm / 3 1/2”
MS 103-534	10,5 cm / 4 1/8”
MS 103-535	11,5 cm / 4 1/2”
MS 103-536	12,5 cm / 5”



MS 103-537	8,0 cm / 3 1/4”
MS 103-538	9,0 cm / 3 1/2”
MS 103-539	10,5 cm / 4 1/8”
MS 103-540	11,5 cm / 4 1/2”
MS 103-541	12,5 cm / 5”

MS 103-542	8,0 cm / 3 1/4”
MS 103-543	9,0 cm / 3 1/2”
MS 103-544	10,5 cm / 4 1/8”
MS 103-545	11,5 cm / 4 1/2”
MS 103-546	12,5 cm / 5”



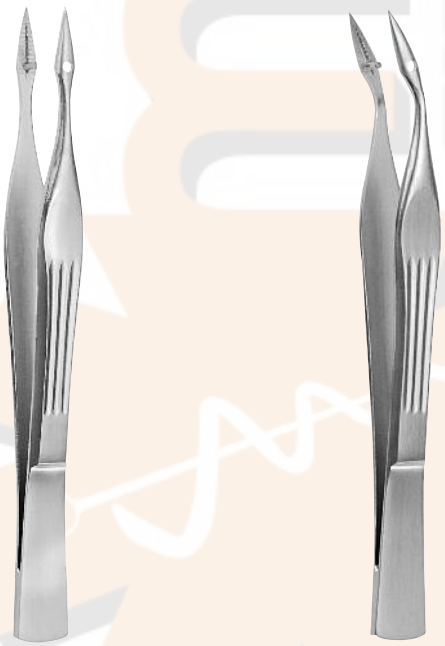
HUNTER

MS 103-560 10,5 cm / 4 1/4”



HUNTER

MS 103-561 10,5 cm / 4 1/4”



WALTER-CARMALT

MS 103-562 10,5 cm / 4 1/4”

WALTER-CARMALT

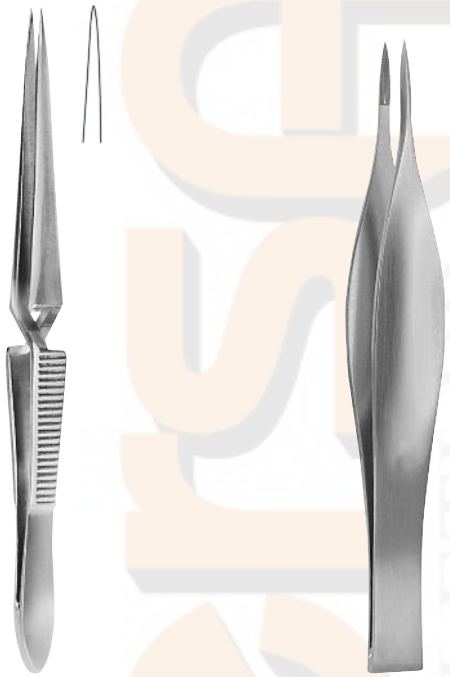
MS 103-563 10,5 cm / 4 1/4”



MS 103-570 10,0 cm / 4”



MS 103-571 10,0 cm / 4”



MS 103-572 10,0 cm / 4”

FEILCHENFELD

MS 103-580 7,5 cm / 3 1/8”
MS 103-581 9,0 cm / 3 1/2”
MS 103-582 11,5 cm / 4 1/2”



SHAAF

MS 103-590 9,0 cm / 3 1/2”



LITTAUER

MS 103-591 8,5 cm / 3 1/3”



MS 103-592 9,0 cm / 3 1/2”

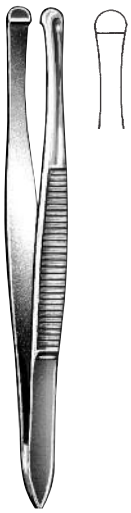


DOUGLAS

MS 103-593 9,0 cm / 3 1/2”



DOUGLAS
MS 103-594 9,0 cm / 3 1/2”



BEER
MS 103-595 9,0 cm / 3 1/2”



BARRAQUER
MS 103-596 10,5 cm / 4 1/4”



FIG. 3
MS 103-600 11,5 cm / 4 3/4”



FIG. 4
MS 103-601 11,0 cm / 4 3/8”



FIG. 5
MS 103-602 11,0 cm / 4 3/8”



FIG. 7
MS 103-603 11,5 cm / 4 3/8”

0,3 mm



MS 103-610 11,0 cm / 4 3/8”

0,3 mm x 90°



MS 103-611 11,0 cm / 4 3/8”

0,3 mm x 45°



MS 103-612 11,0 cm / 4 3/8”

0,3 mm x 45°



MS 103-613 11,0 cm / 4 3/8”

0,3 mm



MS 103-614 12,0 cm / 4 3/4”

0,3 mm x 45°



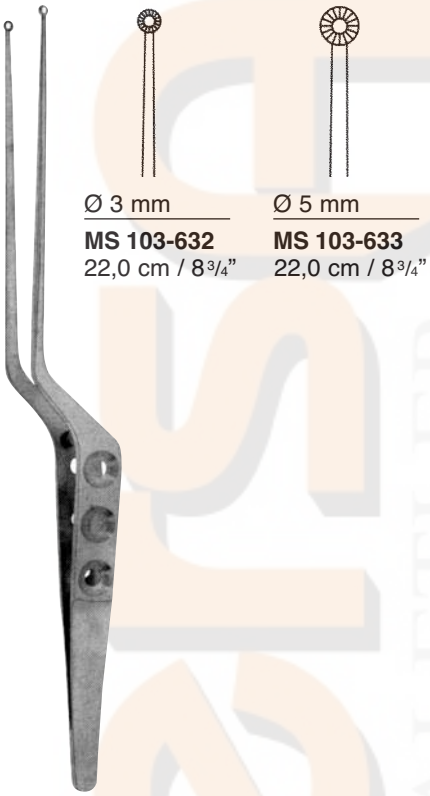
MS 103-615 13,5 cm / 5 1/4”



Ø 3 mm
MS 103-630
22,0 cm / 8 3/4”

Ø 5 mm
MS 103-631
22,0 cm / 8 3/4”

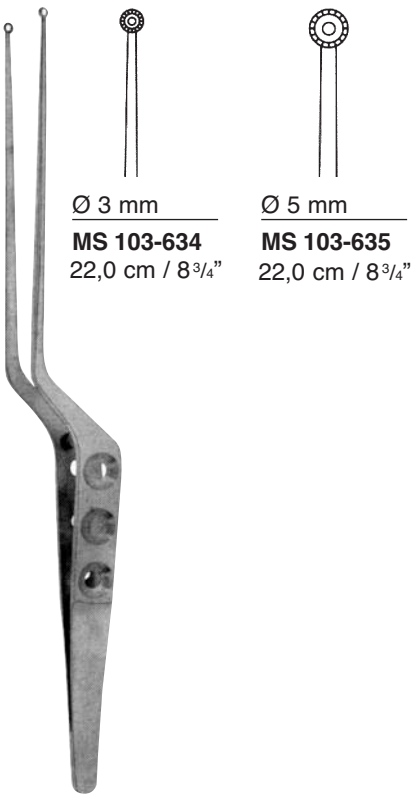
YASARGIL



Ø 3 mm
MS 103-632
22,0 cm / 8 3/4”

Ø 5 mm
MS 103-633
22,0 cm / 8 3/4”

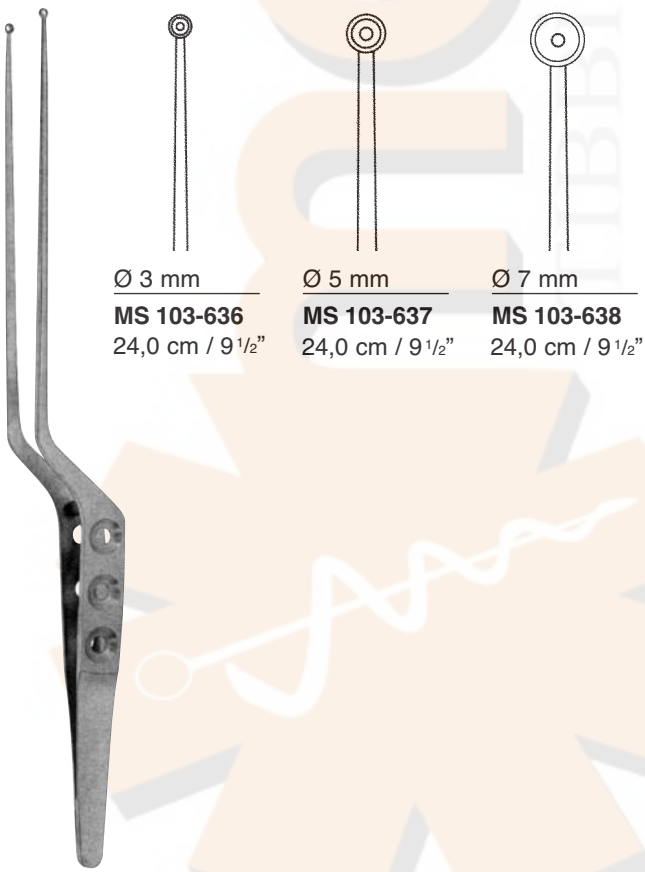
YASARGIL



Ø 3 mm
MS 103-634
22,0 cm / 8 3/4”

Ø 5 mm
MS 103-635
22,0 cm / 8 3/4”

HEIFETZ



Ø 3 mm
MS 103-636
24,0 cm / 9 1/2”

Ø 5 mm
MS 103-637
24,0 cm / 9 1/2”

Ø 7 mm
MS 103-638
24,0 cm / 9 1/2”

YASARGIL-SAMI



SAMII

MS 103-639 23,0 cm / 9”



SAMII

MS 103-640 23,0 cm / 9”



HUNT

MS 103-641 20,0 cm / 8”



YASARGIL

MS 103-650 18,0 cm / 7”
MS 103-651 20,0 cm / 8”
MS 103-652 22,0 cm / 8 3/4”
MS 103-653 24,5 cm / 9 2/3”



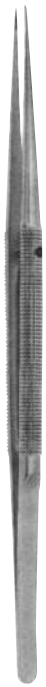
YASARGIL

MS 103-654 18,0 cm / 7”
MS 103-655 20,0 cm / 8”
MS 103-656 22,0 cm / 8 3/4”
MS 103-657 24,5 cm / 9 3/4”



YASARGIL

MS 103-658 18,0 cm / 7”





0,3 mm

MS 103-670	15,0 cm / 6”
MS 103-671	18,0 cm / 7”
MS 103-672	21,0 cm / 8¼”



0,3 mm

MS 103-673	15,0 cm / 6”
MS 103-674	18,0 cm / 7”
MS 103-675	21,0 cm / 8¼”



0,3 mm

MS 103-676	15,0 cm / 6”
MS 103-677	18,0 cm / 7”
MS 103-678	21,0 cm / 8¼”



0,3 mm

MS 103-679	15,0 cm / 6”
MS 103-680	18,0 cm / 7”
MS 103-681	21,0 cm / 8¼”





0,3 mm

MS 103-682
18,5 cm / 7¼”



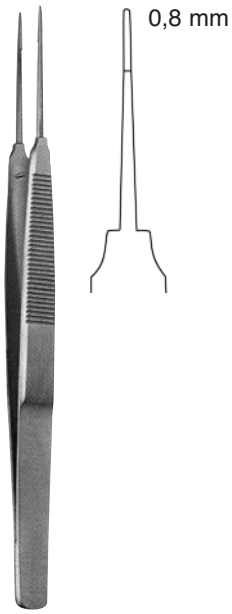
0,6 mm

MS 103-683
18,5 cm / 7¼”



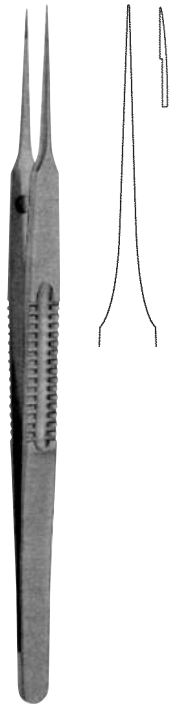
0,6 mm

MS 103-684
18,5 cm / 7¼”



AUSTIN

MS 103-685 14,0 cm / 5 1/2”



MS 103-686 18,5 cm / 7 1/4”



VISE

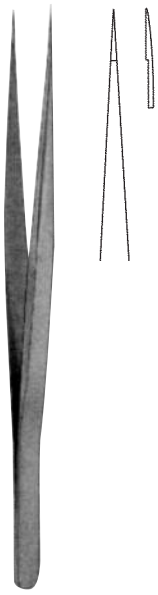


0,6 mm

MS 103-687
13,5 cm / 5 1/4”

0,6 mm

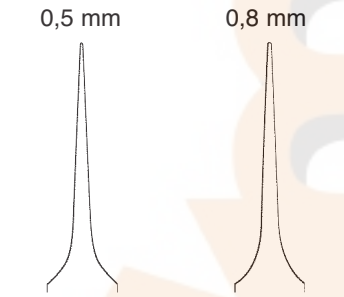
MS 103-688
13,5 cm / 5 1/4”



MS 103-689 12,0 cm / 4 3/4”



LAZAR



MS 103-690
15,5 cm / 6 1/8”

MS 103-691
15,5 cm / 6 1/8”



ADSON

MS 103-700	12,0 cm / 4 3/4"
MS 103-701	15,0 cm / 6"



MICRO-ADSON

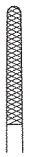
MS 103-702	12,0 cm / 4 3/4"
MS 103-703	15,0 cm / 6"



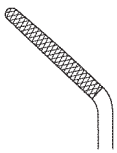
STANDART

MS 103-720	14,5 cm / 5 3/4"
MS 103-721	16,0 cm / 6 1/4"
MS 103-722	18,0 cm / 7"
MS 103-723	20,0 cm / 8"
MS 103-724	25,0 cm / 10"



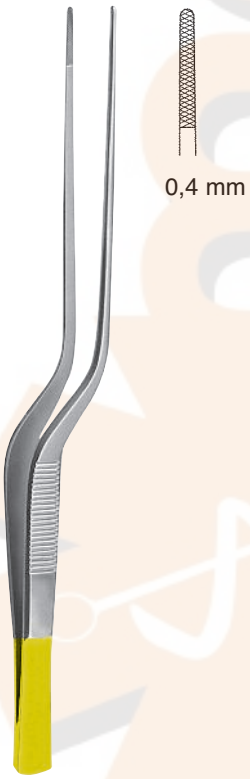


MS 103-740
17,5 cm / 7"
0,4 mm



MS 103-741
17,5 cm / 7"
0,4 mm

CUSHING



CUSHING-TAYLOR

MS 103-742	18,0 cm / 7"



POTTS-SMITH

MS 103-750	15,0 cm / 6”
MS 103-751	18,0 cm / 7”
MS 103-752	20,0 cm / 8”
MS 103-753	23,0 cm / 9”
MS 103-754	25,0 cm / 10”



SEMKEN

MS 103-760	15,0 cm / 6”



MC INDOE

MS 103-761	15,0 cm / 6”



WANGENSTEEN

MS 103-770	15,0 cm / 6”
MS 103-771	23,0 cm / 9”
MS 103-772	25,0 cm / 10”



ADSON

MS 103-780	12,0 cm / 4 3/4"
MS 103-781	15,0 cm / 6"



MICRO-ADSON

MS 103-782	12,0 cm / 4 3/4"
MS 103-783	15,0 cm / 6"



ADSON-BROWN

MS 103-784	12,0 cm / 4 3/4"



OEHLER

MS 103-790	14,0 cm / 5 ½”
MS 103-791	16,0 cm / 6 ¼”
MS 103-792	18,0 cm / 7”
MS 103-793	20,0 cm / 8”
MS 103-794	25,0 cm / 10”
MS 103-795	30,0 cm / 12”



BONNEY

MS 103-800	18,0 cm / 7”



FERRIS-SMITH

MS 103-801	18,0 cm / 7”



SEMKEN

MS 103-803	15,0 cm / 6”



GILLIES

MS 103-804	15,0 cm / 6”



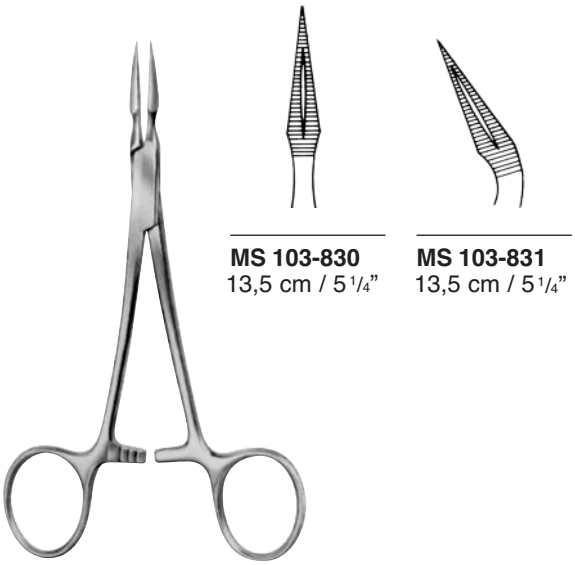
DEBAKEY



MS 103-810	15,0 cm / 6”
MS 103-811	19,0 cm / 7 ½”
MS 103-812	24 0 cm / 9 ½”



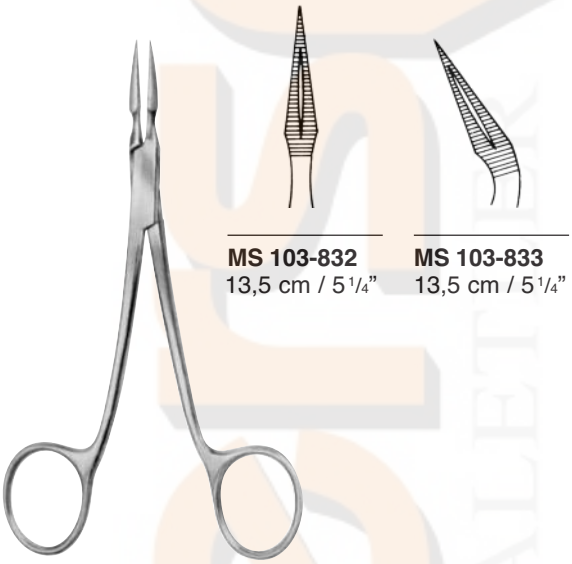
MS 103-813	15,0 cm / 6”
MS 103-814	19,0 cm / 7 ½”
MS 103-815	24 0 cm / 9 ½”



MS 103-830
13,5 cm / 5 1/4”

MS 103-831
13,5 cm / 5 1/4”

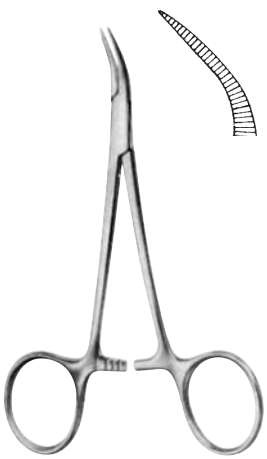
STIEGLITZ



MS 103-832
13,5 cm / 5 1/4”

MS 103-833
13,5 cm / 5 1/4”

STIEGLITZ

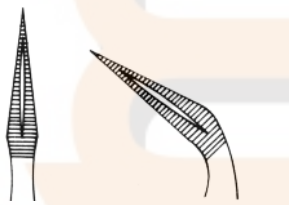


PEET

MS 103-834 11,5 cm / 4 1/2”



RALK (VIRTUS)



MS 103-835
15,0 cm / 6”

MS 103-836
15,0 cm / 6”

mersa
TIBBİ ALETLER

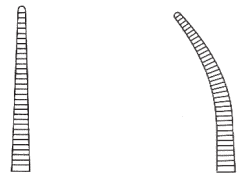
104



KLEMPLER
CLAMPS



HALSTED-MOSQUITO



MS 104-101
12,5 cm / 5”

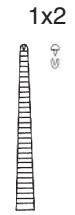
MS 104-102
12,5 cm / 5”



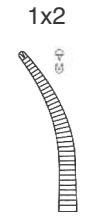
MS 104-103
14,0 cm / 5 ½”



MS 104-104
14,0 cm / 5 ½”



MS 104-105
12,5 cm / 5”



MS 104-106
12,5 cm / 5”



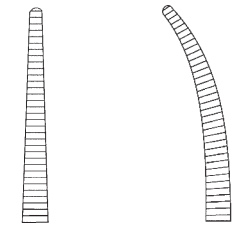
MS 104-107
14,0 cm / 5 ½”



MS 104-108
14,0 cm / 5 ½”



HALSTED-MOSQUITO



MS 104-120
18,0 cm / 7”

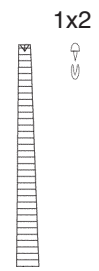
MS 104-121
18,0 cm / 7”



MS 104-122
21,0 cm / 8 ¼”



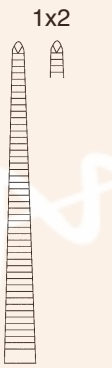
MS 104-123
21,0 cm / 8 ¼”



MS 104-124
18,0 cm / 7”



MS 104-125
18,0 cm / 7”



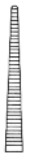
MS 104-126
21,0 cm / 8 ¼”



MS 104-127
21,0 cm / 8 ¼”



MICRO-MOSQUITO



MS 104-140
10,0 cm / 4”



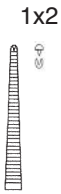
MS 104-141
10,0 cm / 4”



MS 104-142
12,0 cm / 4 3/4”



MS 104-143
12,0 cm / 4 3/4”



MS 104-144
10,0 cm / 4”



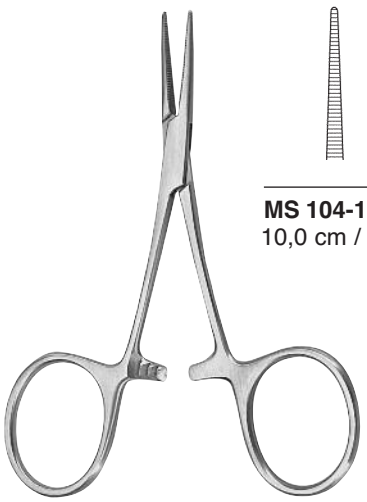
MS 104-145
10,0 cm / 4”



MS 104-146
12,0 cm / 4 3/4”



MS 104-147
12,0 cm / 4 3/4”

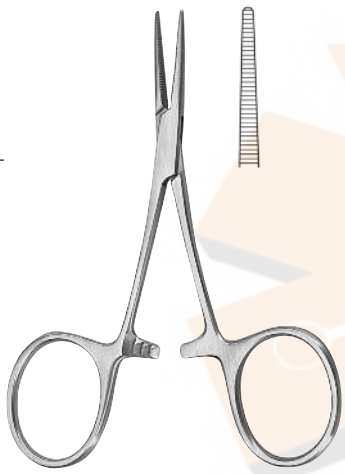


HARTMANN

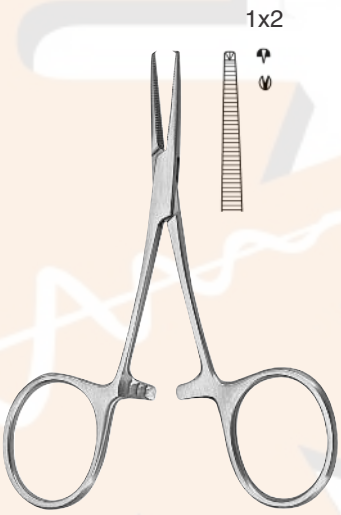
MS 104-160
10,0 cm / 4”



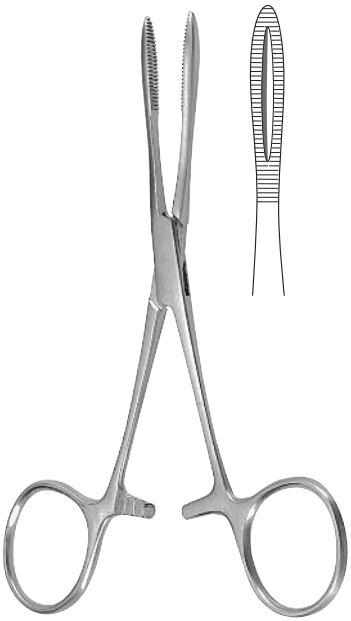
MS 104-161
10,0 cm / 4”



CARREL
MS 104-162 8,5 cm / 3 1/3”

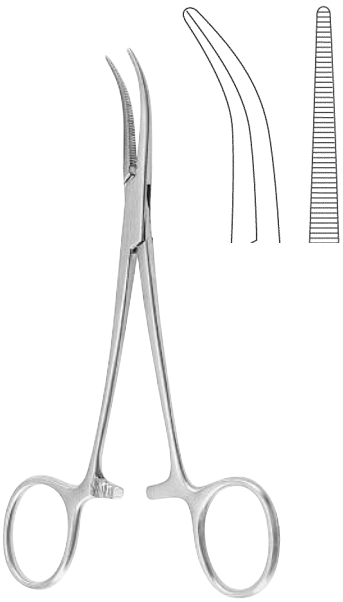


TERRIER
MS 104-163 8,5 cm / 3 1/3”



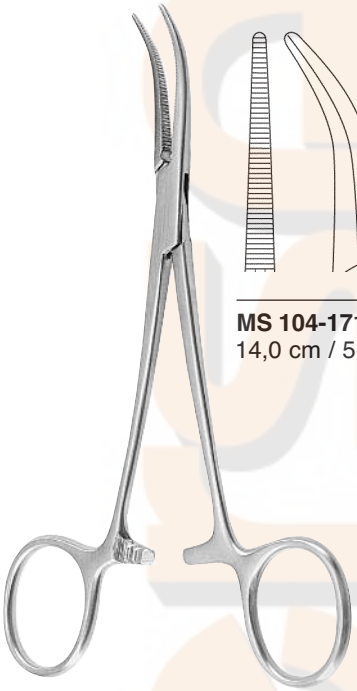
KROENLEIN

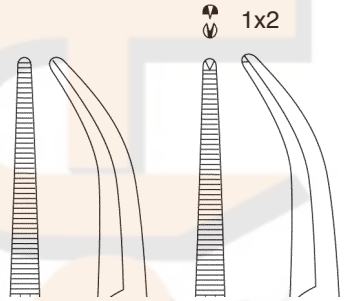
MS 104-164 13,0 cm / 5”



MOSQUITO-DANDY

MS 104-170 12,0 cm / 4 3/4”



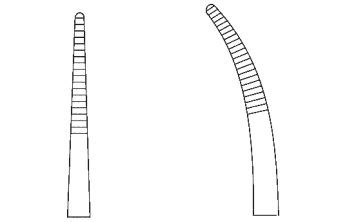


MS 104-171
14,0 cm / 5 1/2”

MS 104-172
14,0 cm / 5 1/2”

DANDY

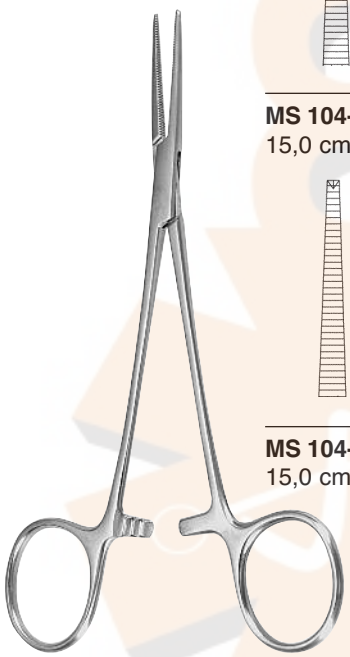


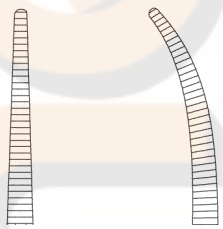


MS 104-180
14,0 cm / 5 1/2”

MS 104-181
14,0 cm / 5 1/2”

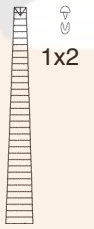
PROVIDENCE-HOSPITAL





MS 104-190
15,0 cm / 6”

MS 104-191
15,0 cm / 6”

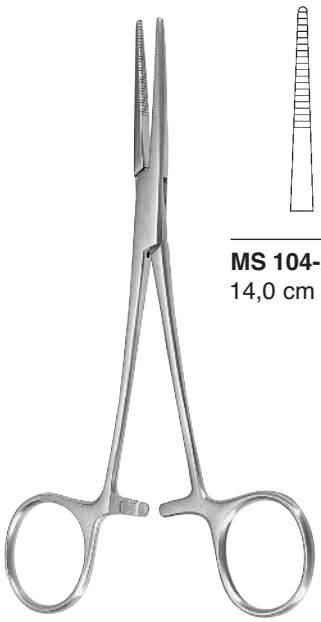


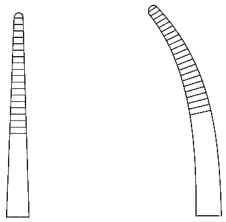


MS 104-192
15,0 cm / 6”

MS 104-193
15,0 cm / 6”

LERICHE

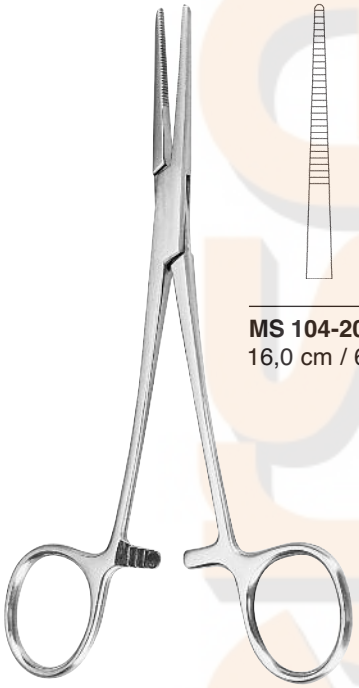


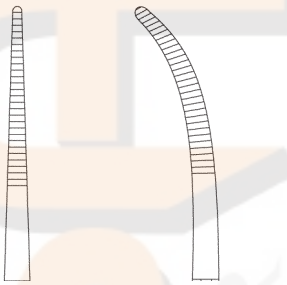


MS 104-200
14,0 cm / 5 ½”

MS 104-201
14,0 cm / 5 ½”

KELLY

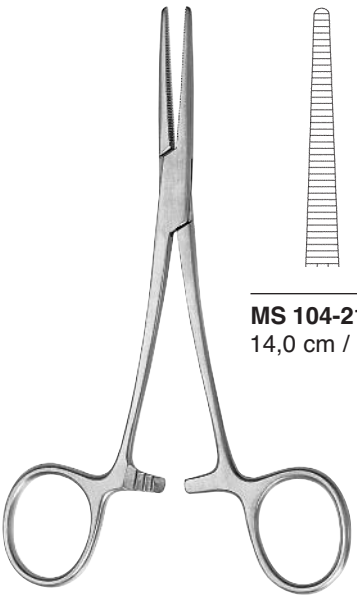


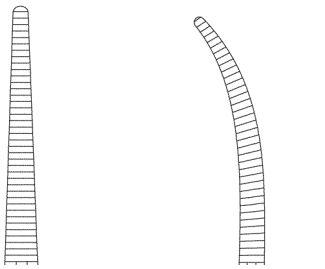


MS 104-202
16,0 cm / 6 ¼”

MS 104-203
16,0 cm / 6 ¼”

KELLY-RANKIN





MS 104-210
14,0 cm / 5 ½”

MS 104-211
14,0 cm / 5 ½”

1x2

1x2

MS 104-212
14,0 cm / 5 ½”

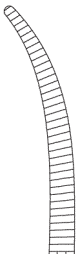
MS 104-213
14,0 cm / 5 ½”

CRILE



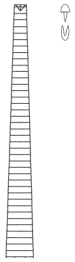
CRILE-RANKIN

MS 104-214
16,0 cm / 6 1/4”



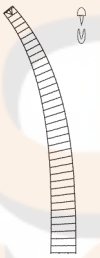
MS 104-215
16,0 cm / 6 1/4”

1x2

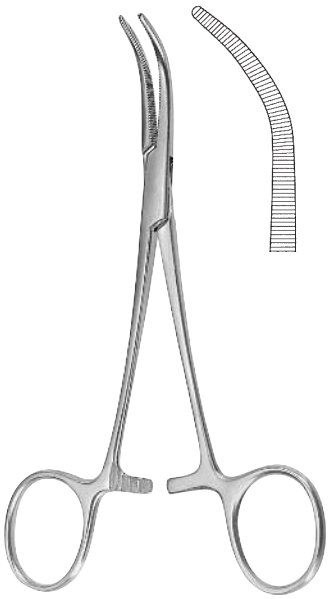


MS 104-216
16,0 cm / 6 1/4”

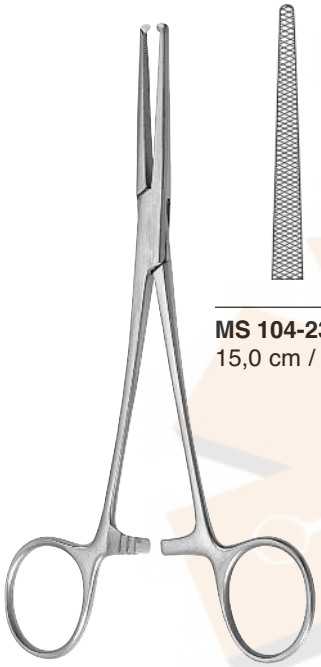
1x2



MS 104-217
16,0 cm / 6 1/4”



BABY-OVERHOLT
MS 104-230 13,5 cm / 5 1/4”



DIXON-LOVELACE

1x2

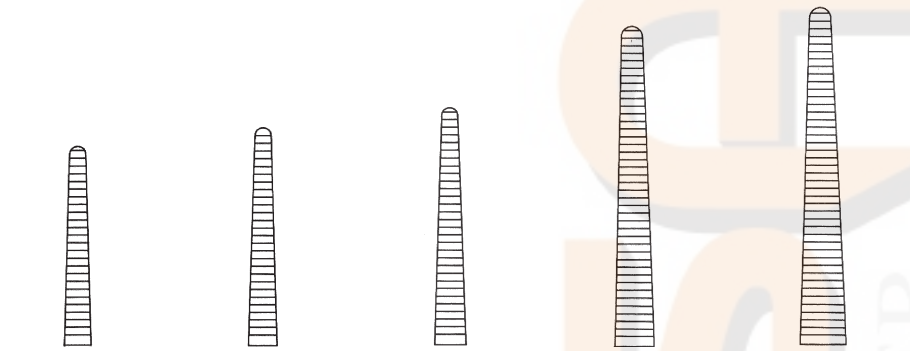
MS 104-231
15,0 cm / 6”



MS 104-232
15,0 cm / 6”



SPENCER-WELLS



MS 104-240
13,0 cm / 5 1/8”

MS 104-241
15,0 cm / 6”

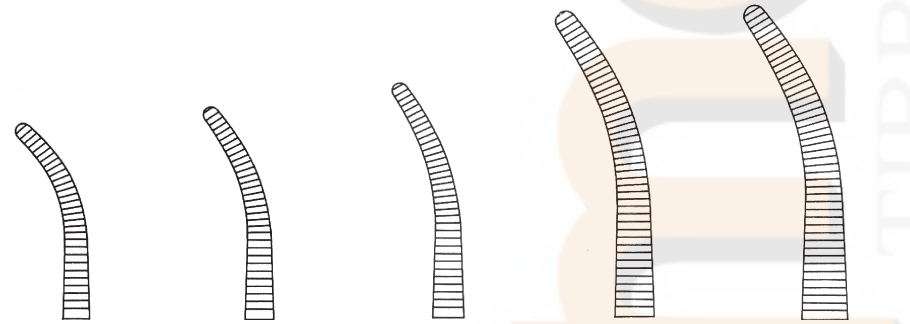
MS 104-242
18,0 cm / 7”

MS 104-243
20,0 cm / 8”

MS 104-244
23,0 cm / 9”



SPENCER-WELLS



MS 104-245
13,0 cm / 5 1/8”

MS 104-246
15,0 cm / 6”

MS 104-247
18,0 cm / 7”

MS 104-248
20,0 cm / 8”

MS 104-249
23,0 cm / 9”



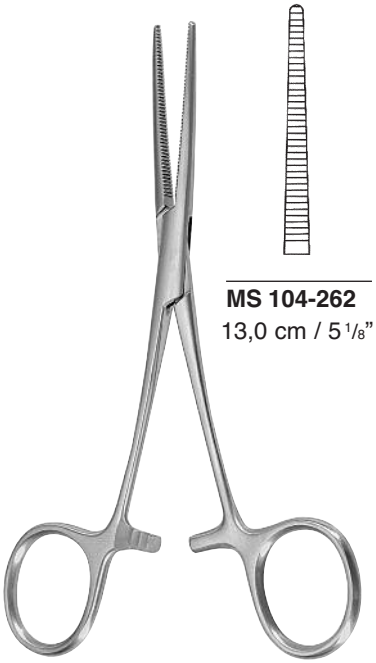


MS 104-260
14,0 cm / 5 1/2”



MS 104-261
16,0 cm / 6 1/4”

PEAN



MS 104-262
13,0 cm / 5 1/8”

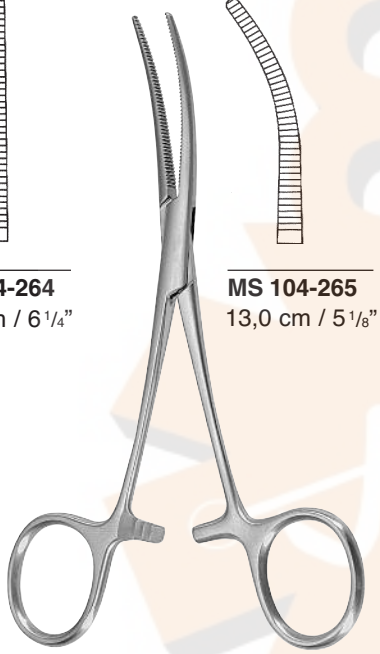


MS 104-263
14,0 cm / 5 1/2”



MS 104-264
16,0 cm / 6 1/4”

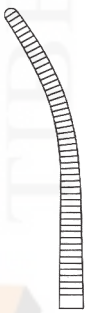
PEAN-DELICATE



MS 104-265
13,0 cm / 5 1/8”



MS 104-266
14,0 cm / 5 1/2”

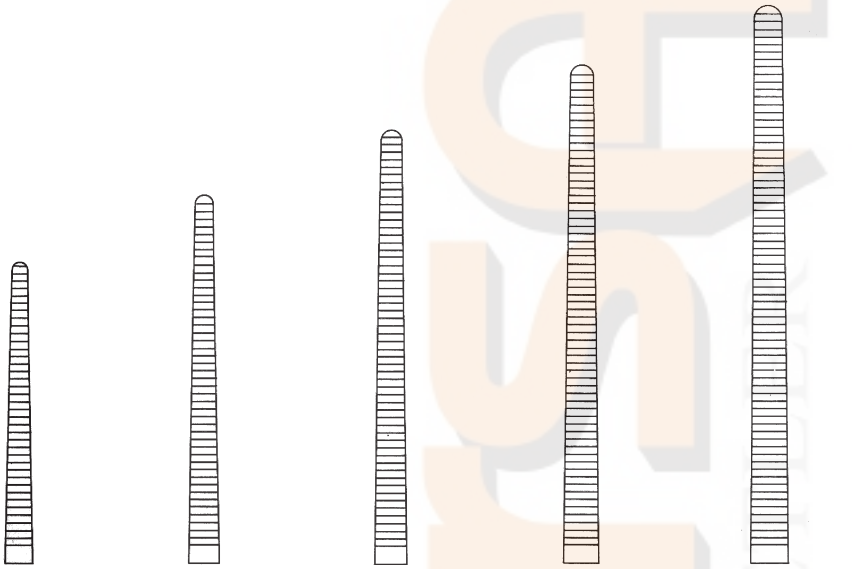


MS 104-267
16,0 cm / 6 1/4”

PEAN-DELICATE



ROCHESTER-PEAN



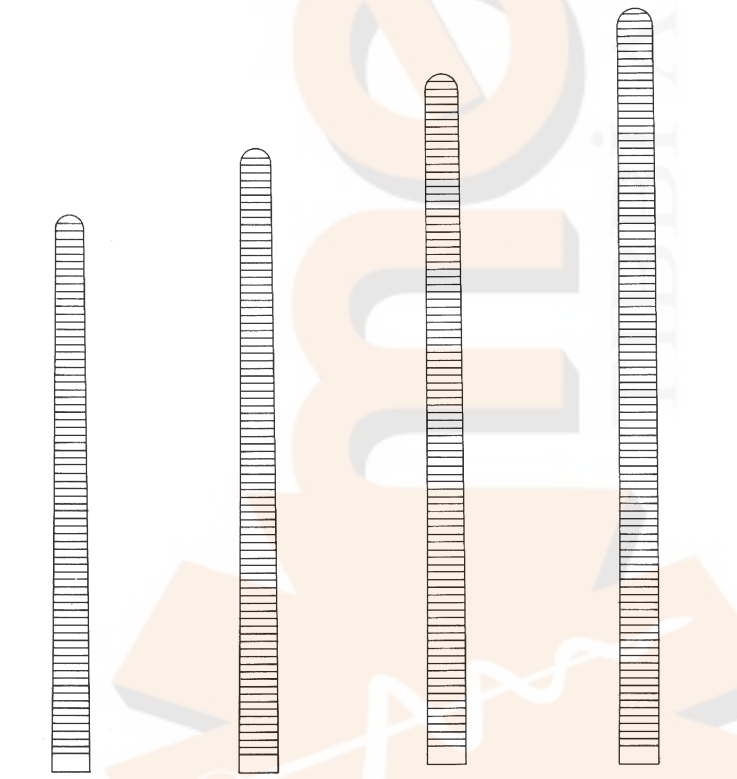
MS 104-280
14,0 cm / 5 1/2”

MS 104-281
16,0 cm / 6 1/4”

MS 104-282
18,0 cm / 7”

MS 104-283
20,0 cm / 8”

MS 104-284
22,0 cm / 8 3/4”



MS 104-285
24,0 cm / 9 1/2”

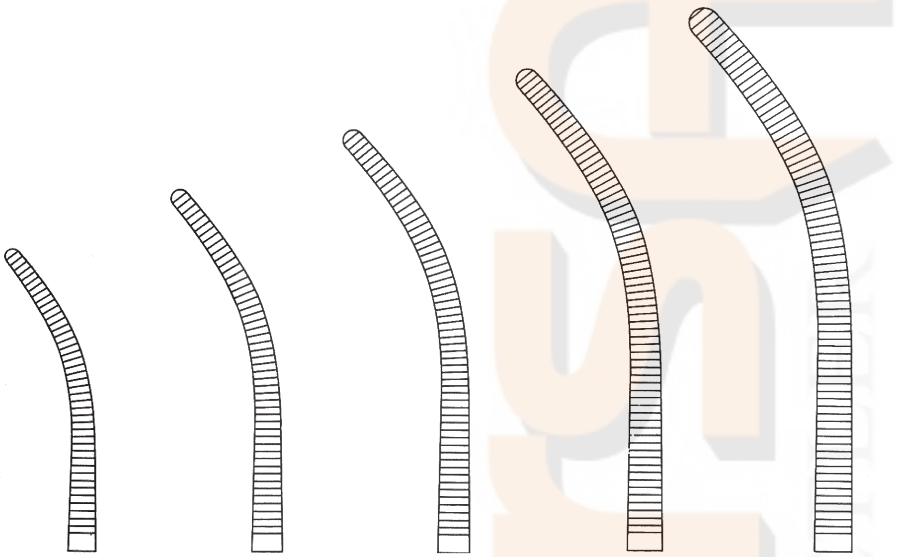
MS 104-286
26,0 cm / 10 1/4”

MS 104-287
28,0 cm / 11”

MS 104-288
30,0 cm / 11 3/4”



ROCHESTER-PEAN



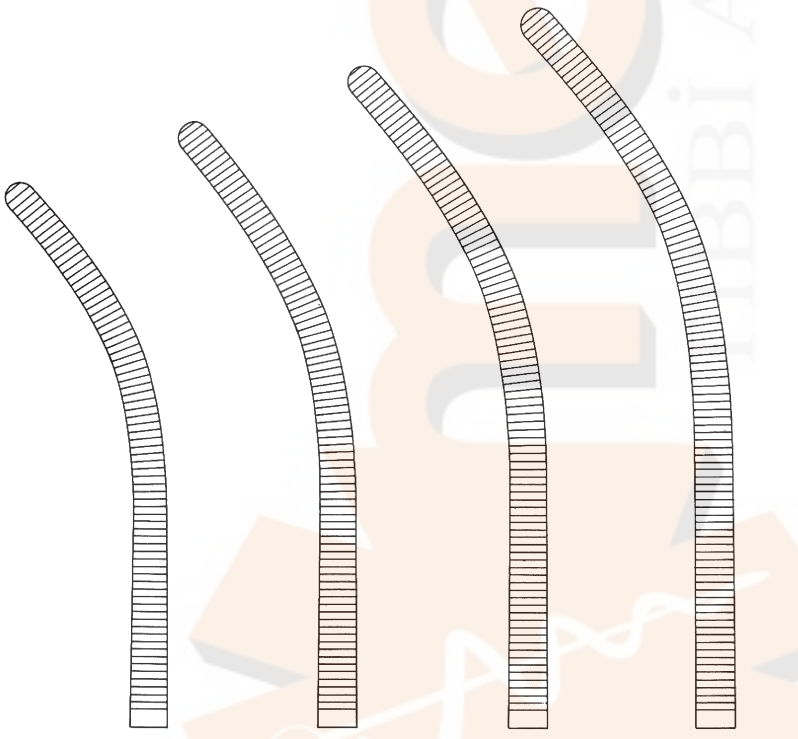
MS 104-300
14,0 cm / 5 1/2”

MS 104-301
16,0 cm / 6 1/4”

MS 104-302
18,0 cm / 7”

MS 104-303
20,0 cm / 8”

MS 104-304
22,0 cm / 8 3/4”



MS 104-305
24,0 cm / 9 1/2”

MS 104-306
26,0 cm / 10 1/4”

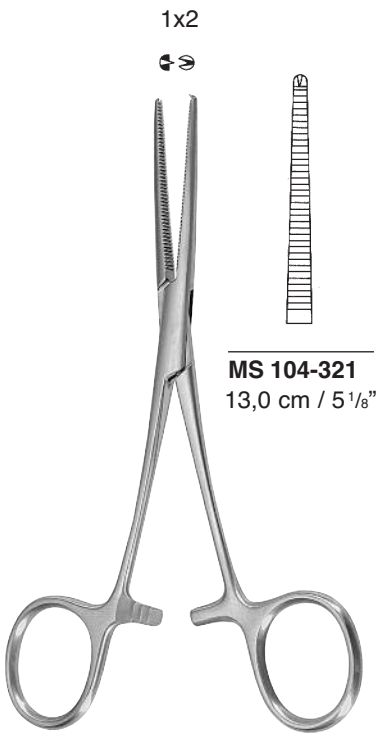
MS 104-307
28,0 cm / 11”

MS 104-308
30,0 cm / 11 3/4”

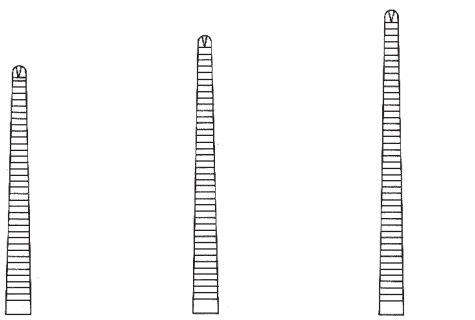


KOCHER

MS 104-320 14,5 cm / 5 3/4”



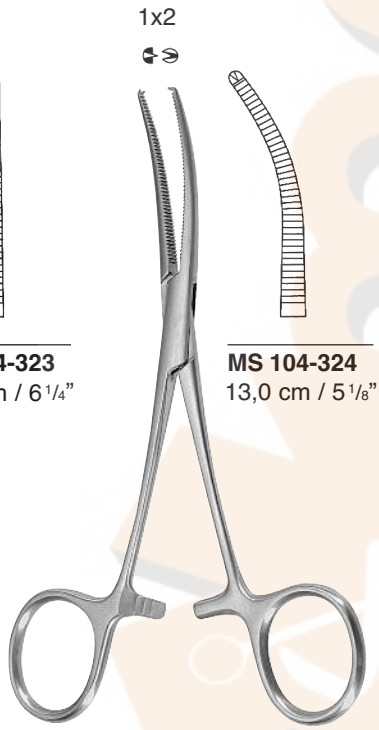
KOCHER DELICATE



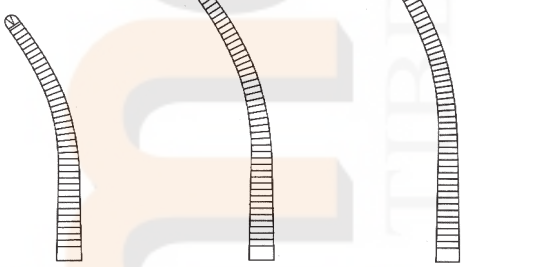
MS 104-321 13,0 cm / 5 1/8”

MS 104-322 14,0 cm / 5 1/2”

MS 104-323 16,0 cm / 6 1/4”



KOCHER DELICATE



MS 104-324 13,0 cm / 5 1/8”

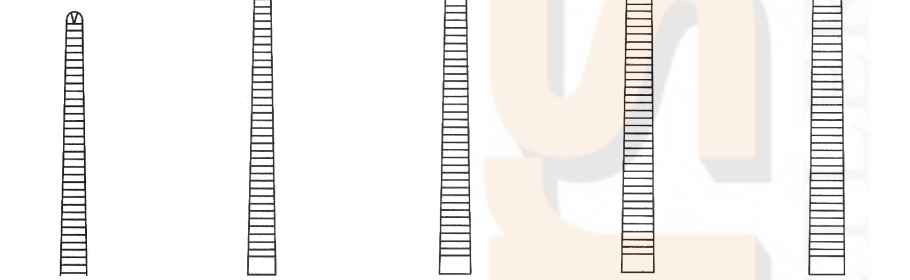
MS 104-325 14,0 cm / 5 1/2”

MS 104-326 16,0 cm / 6 1/4”

1x2



KOCHER-OCHSNER



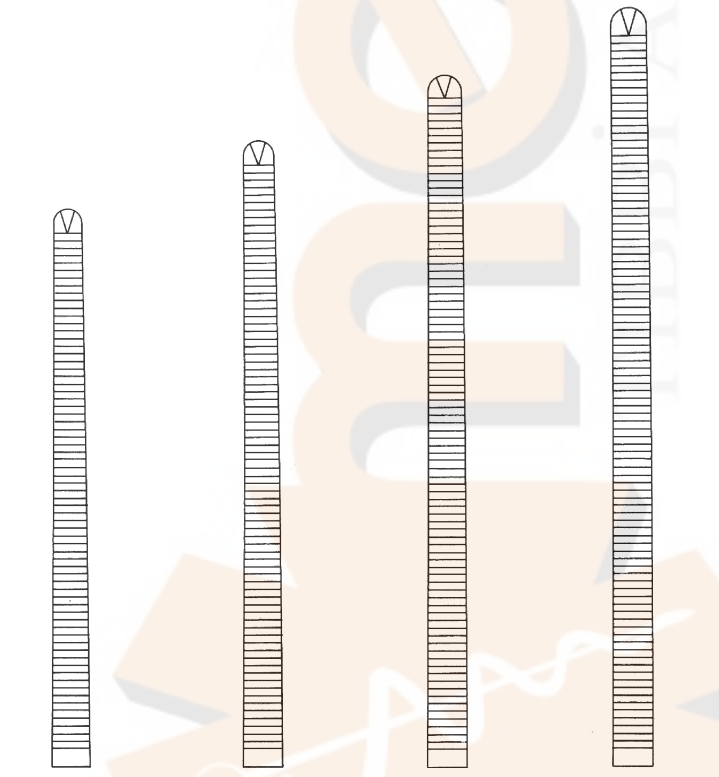
MS 104-340
13,0 cm / 5 1/8”

MS 104-341
14,0 cm / 5 1/2”

MS 104-342
16,0 cm / 6 1/4”

MS 104-343
18,0 cm / 7”

MS 104-344
20,0 cm / 8”



MS 104-345
22,0 cm / 8 3/4”

MS 104-346
24,0 cm / 9 1/2”

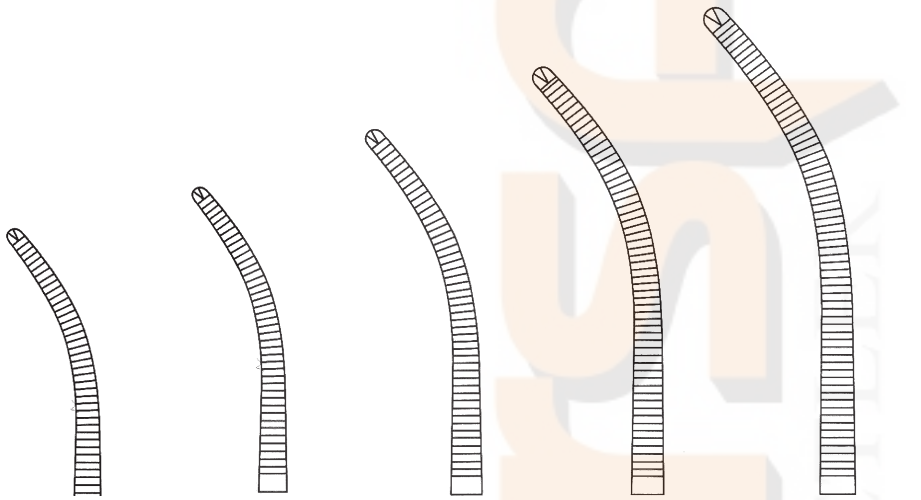
MS 104-347
26,0 cm / 10 1/4”

MS 104-348
30,0 cm / 11 3/4”

1x2



KOCHER-OCHSNER



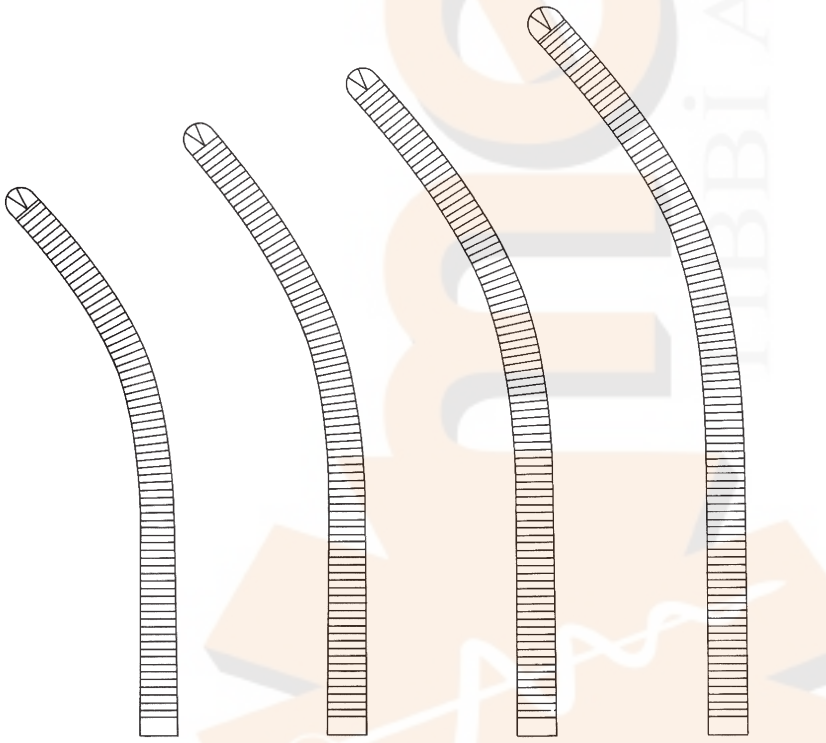
MS 104-360
13,0 cm / 5 1/8”

MS 104-361
14,0 cm / 5 1/2”

MS 104-362
16,0 cm / 6 1/4”

MS 104-363
18,0 cm / 7”

MS 104-364
20,0 cm / 8”



MS 104-365
22,0 cm / 8 3/4”

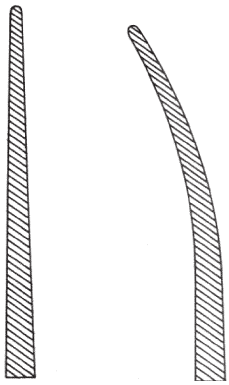
MS 104-366
24,0 cm / 9 1/2”

MS 104-367
26,0 cm / 10 1/4”

MS 104-368
30,0 cm / 11 3/4”



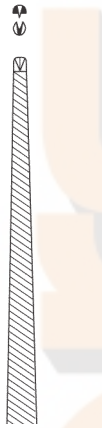
BENGOLEA



MS 104-380
20,0 cm / 8”

MS 104-381
20,0 cm / 8”

1x2

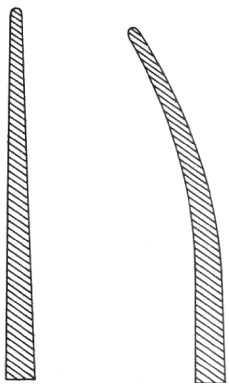


MS 104-382
20,0 cm / 8”

1x2



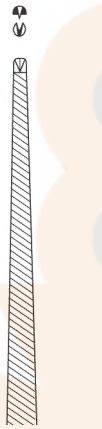
MS 104-383
20,0 cm / 8”



MS 104-384
26,0 cm / 10 1/4”

MS 104-385
26,0 cm / 10 1/4”

1x2



MS 104-386
26,0 cm / 10 1/4”

1x2



MS 104-387
26,0 cm / 10 1/4”



CHAPUT

MS 104-400 13,0 cm / 5 1/8”



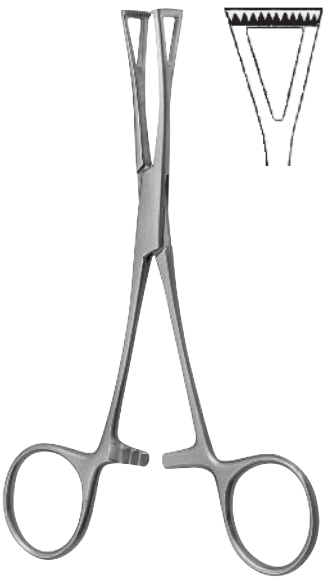
TUFFIER

MS 104-401 13,0 cm / 5 1/8”



PENNINGTON

MS 104-402 15,5 cm / 6 1/8”
MS 104-403 20,0 cm / 8”

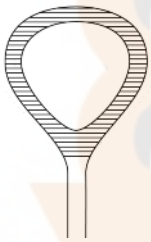


COLLIN

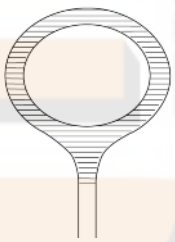
MS 104-410 14,0 cm / 5 1/2”



COLLIN



MS 104-411
16,0 cm / 6 1/4”



MS 104-412
16,0 cm / 6 1/4”



BUIE

MS 104-420 21,0 cm / 8 1/4”



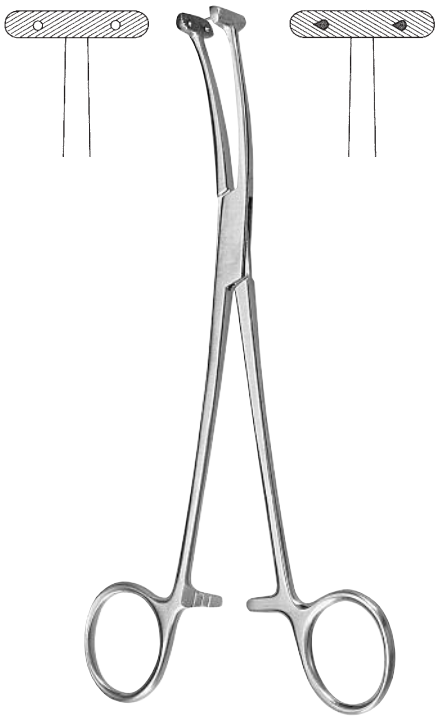
PRATT

MS 104-421 15,0 cm / 6”



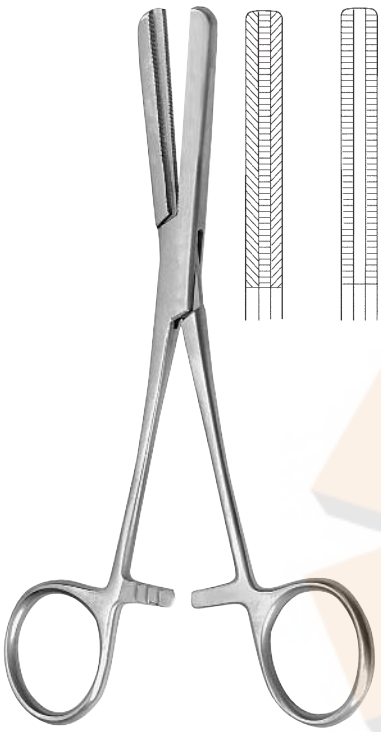
MARTEL

MS 104-422 14,0 cm / 5 1/2”



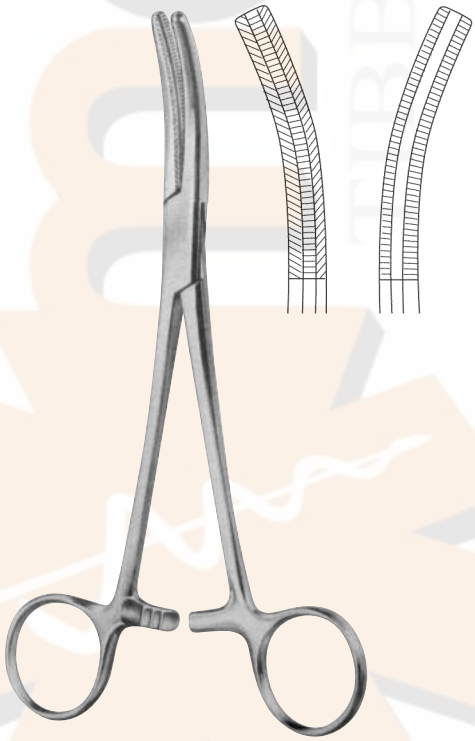
WILLET-MARTEL

MS 104-423 19,0 cm / 7 1/2”



FERGUSSON

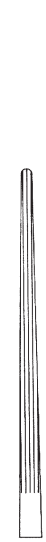
MS 104-430 16,0 cm / 6 1/4”
MS 104-431 20,0 cm / 8”



FERGUSSON

MS 104-432 16,0 cm / 6 1/4”
MS 104-433 20,0 cm / 8”

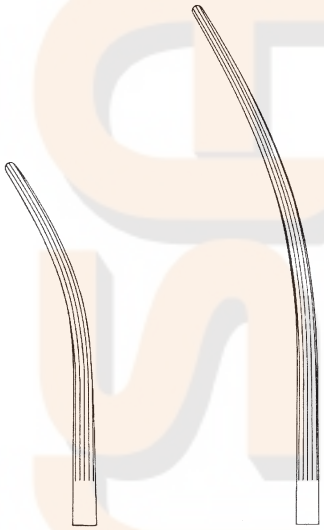




MS 104-440
15,0 cm / 6”



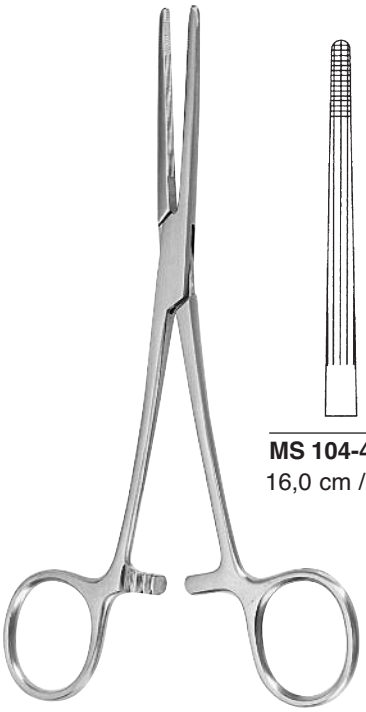
MS 104-441
18,5 cm / 7 1/4”



MS 104-442
15,0 cm / 6”

MS 104-443
18,5 cm / 7 1/4”

BAINBRIDGE

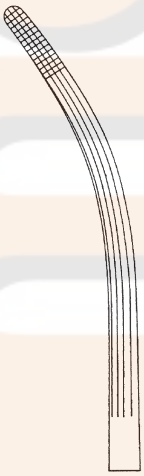


MS 104-450
16,0 cm / 6 1/4”



MS 104-451
20,0 cm / 8”





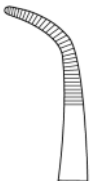
MS 104-452
16,0 cm / 6 1/4”

MS 104-453
20,0 cm / 8”

ROCHESTER-CARMALT



MS 104-460
14,0 cm / 5 ½”

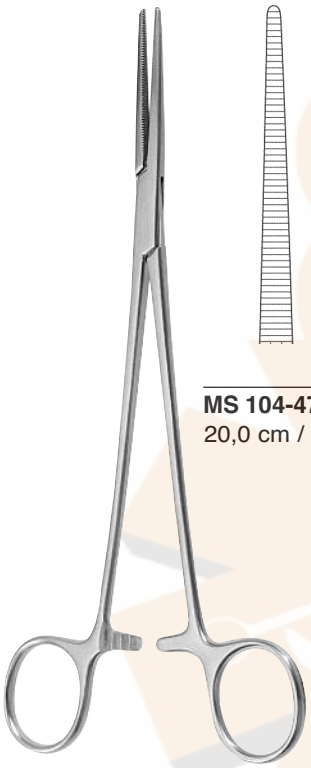


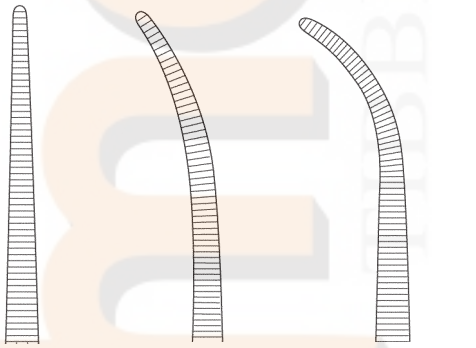
MS 104-461
14,0 cm / 5 ½”

BABY-MIXTER



BABY-MIXTER
MS 104-462 18,0 cm / 7”





HEISS

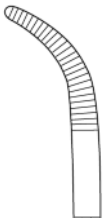
MS 104-470
20,0 cm / 8”

MS 104-471
20,0 cm / 8”

MS 104-472
20,0 cm / 8”

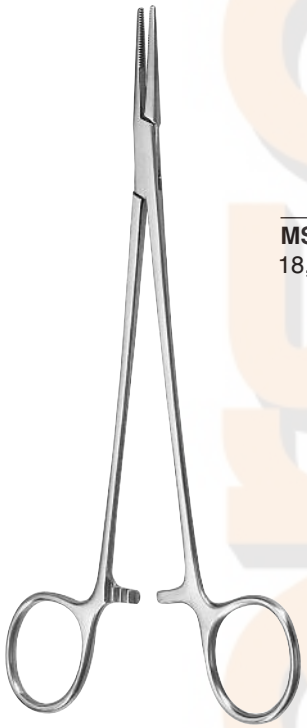


MS 104-480
19,0 cm / 7 ½”



MS 104-481
19,0 cm / 7 ½”

SCHNIDT





MS 104-490
18,5 cm / 7 ¼”

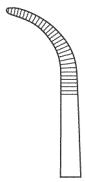


MS 104-491
18,5 cm / 7 ¼”

ADSON

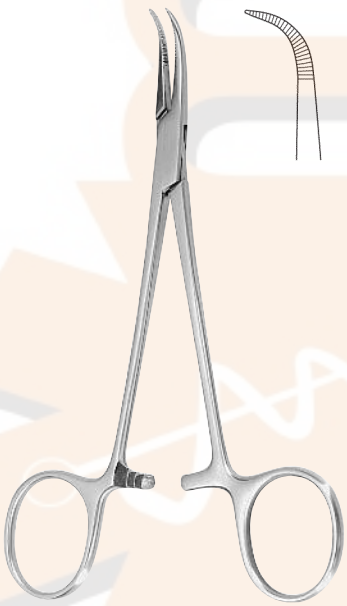


MS 104-500
14,0 cm / 5 ½”



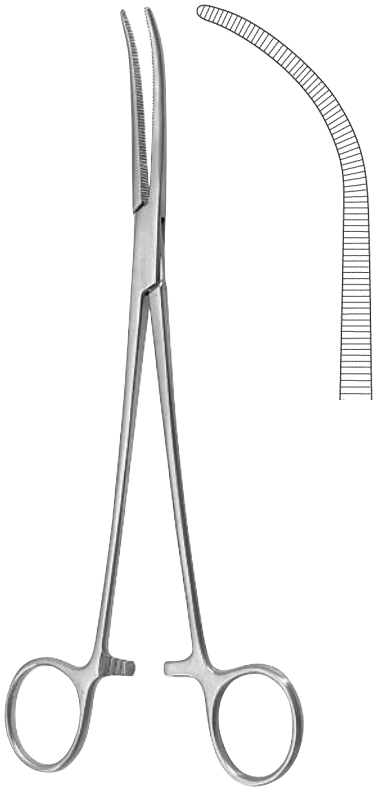
MS 104-501
18,0 cm / 7”

BABY-ADSON



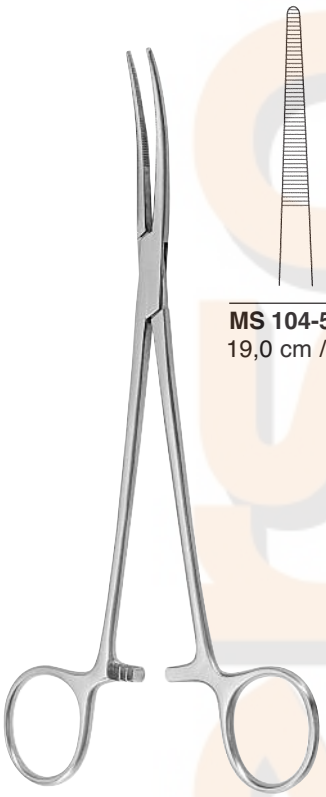
MIKRO-ADSON

MS 104-502 14,0 cm / 5 ½”

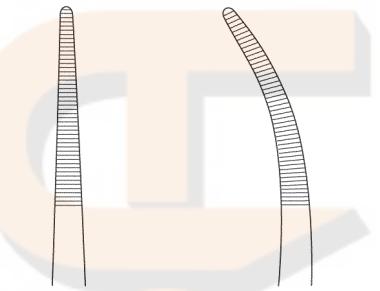


OVERHOLT-MIXTER

MS 104-510 21,0 cm / 8 1/4”

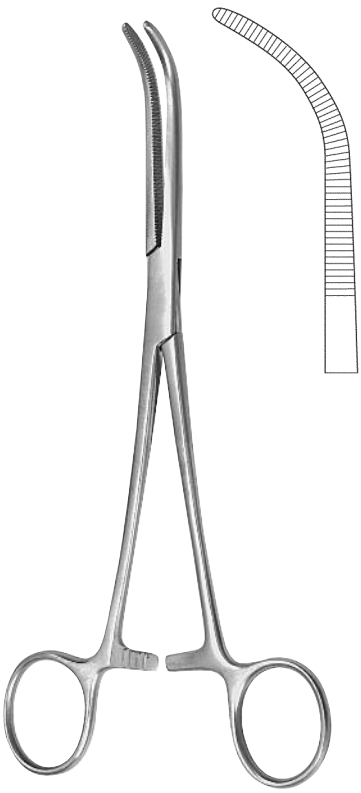


BIRKETT



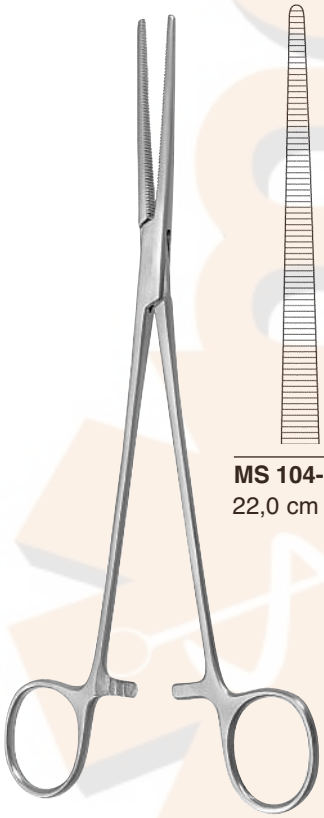
MS 104-511
19,0 cm / 7 1/2”

MS 104-512
19,0 cm / 7 1/2”

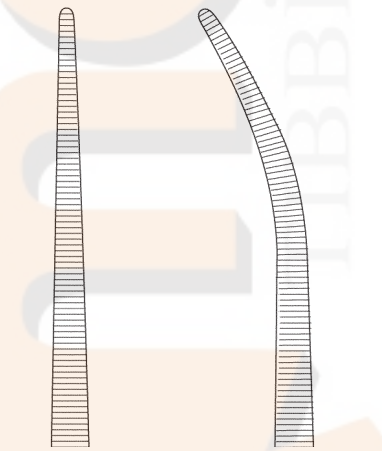


JOHNS HOPKINS

MS 104-513 20,0 cm / 8”



ROBERTS

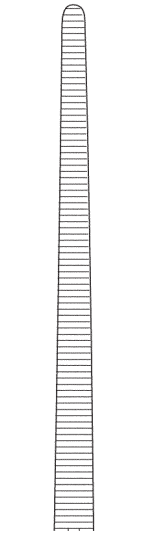


MS 104-520
22,0 cm / 8 3/4”

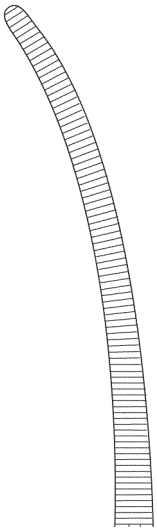
MS 104-521
22,0 cm / 8 3/4”



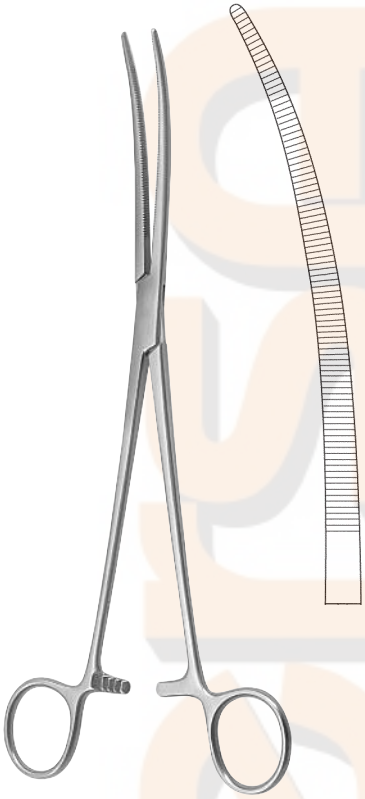
SAROT



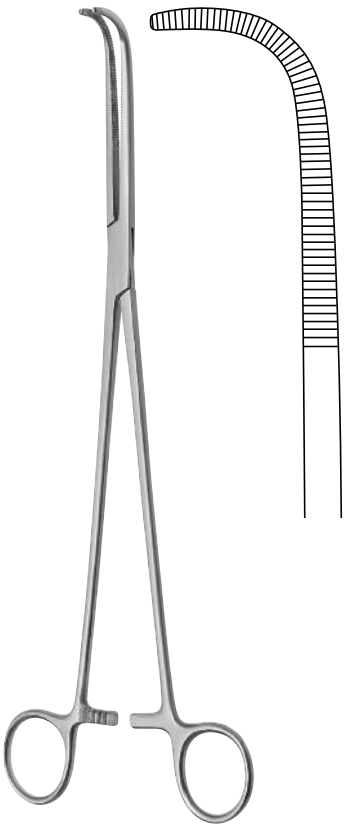
MS 104-530
24,0 cm / 9 1/2”



MS 104-531
24,0 cm / 9 1/2”



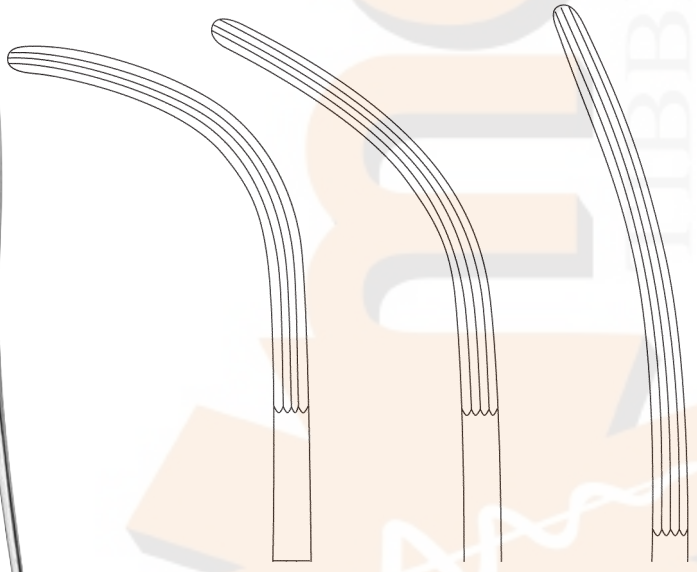
CRAFOORD
MS 104-540 24,0 cm / 9 1/2”



MIXTER-CRAFOORD
MS 104-541 27,0 cm / 10 3/4”



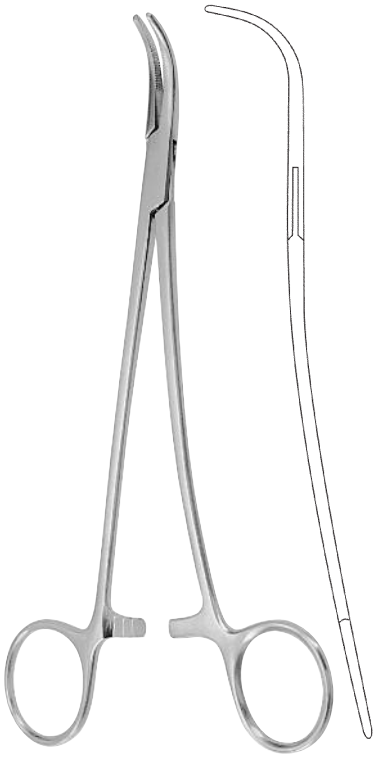
CRAFOORD-SELLORS



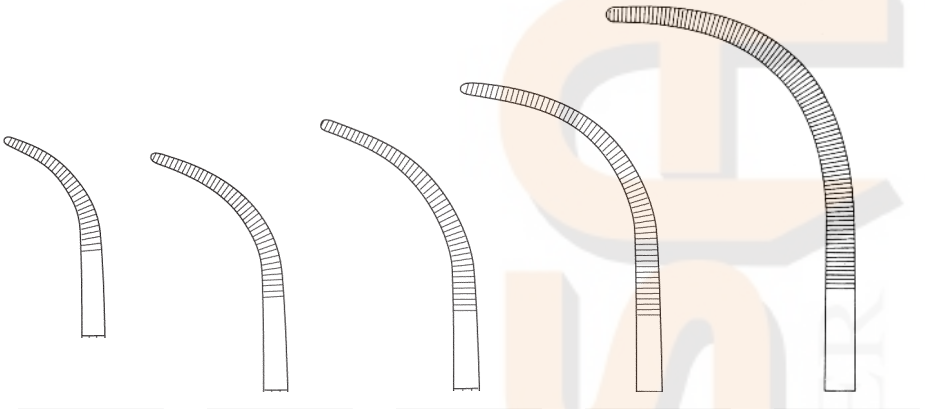
MS 104-542
22,0 cm / 8 3/4”

MS 104-543
23,0 cm / 9”

MS 104-544
24,0 cm / 9 1/2”



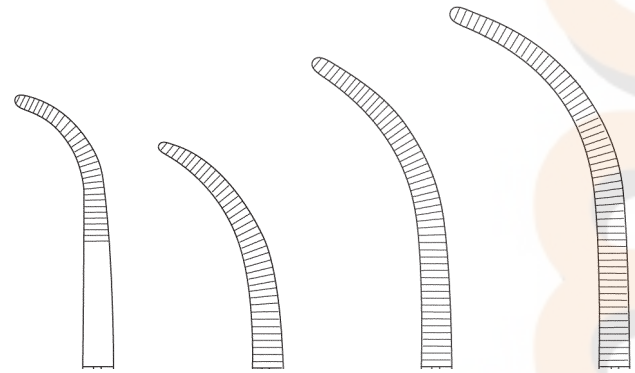
OVERHOLT



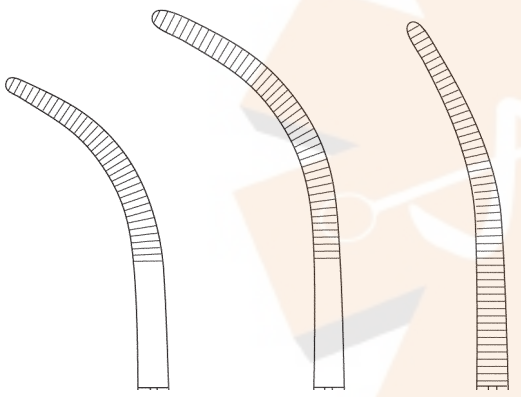
MS 104-560	MS 104-561	MS 104-562	MS 104-563	MS 104-564
18,5 cm / 7 1/4"	20,0 cm / 8"	21,0 cm / 8 1/4"	21,5 cm / 8 1/2"	24,0 cm / 9 1/2"



OVERHOLT-GEISSENDOERFER



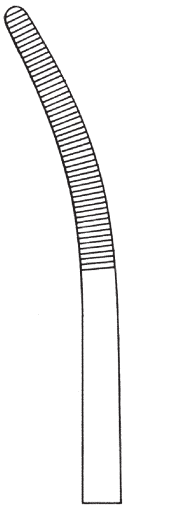
MS 104-580 MS 104-600	MS 104-281 MS 104-601	MS 104-582 MS 104-602	MS 104-583 MS 104-603	21,0 cm / 8 1/4" 27,0 cm / 10 3/4"



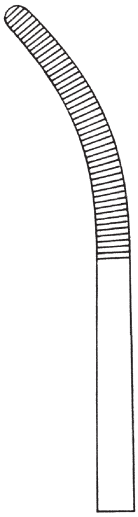
MS 104-584 MS 104-604	MS 104-585 MS 104-605	MS 104-586 MS 104-606	21,0 cm / 8 1/4" 27,0 cm / 10 3/4"



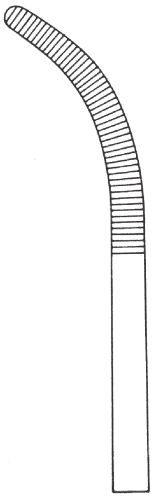
RUMEL



MS 104-620
23,0 cm / 9”



MS 104-621
23,0 cm / 9”



MS 104-622
23,0 cm / 9”



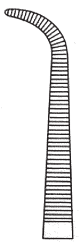
MS 104-623
23,0 cm / 9”



MS 104-624
23,0 cm / 9”



MINI-GEMINI



MS 104-640
18,0 cm / 7”



MS 104-641
22,0 cm / 8 3/4”



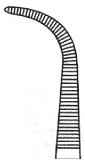
MS 104-642
25,0 cm / 9 3/4”



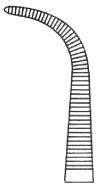
MS 104-643
28,0 cm / 11”



GEMINI



MS 104-660
18,0 cm / 7”



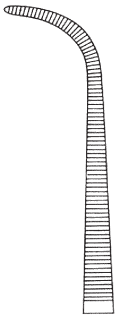
MS 104-661
16,0 cm / 6 1/4”



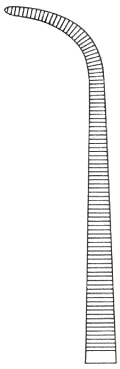
MS 104-662
13,0 cm / 5 1/8”



MS 104-663
20,0 cm / 8”



MS 104-664
23,0 cm / 9”



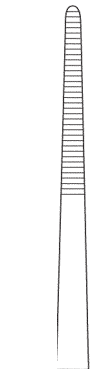
MS 104-665
25,0 cm / 9 3/4”



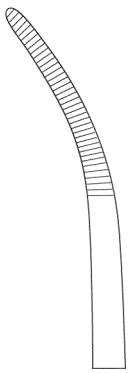
MS 104-666
28,0 cm / 11”



TOENNIS



MS 104-690
MS 104-694



MS 104-691
MS 104-695



MS 104-692
MS 104-696

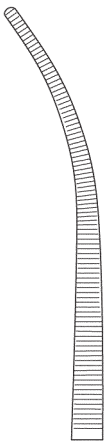


MS 104-693
MS 104-697

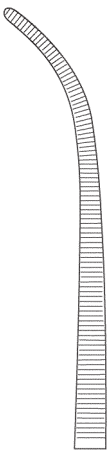
21,0 cm / 8 1/4”
26,0 cm / 10 1/4”



KELLY



MS 104-700
MS 104-701
MS 104-702



MS 104-708
MS 104-709
MS 104-710

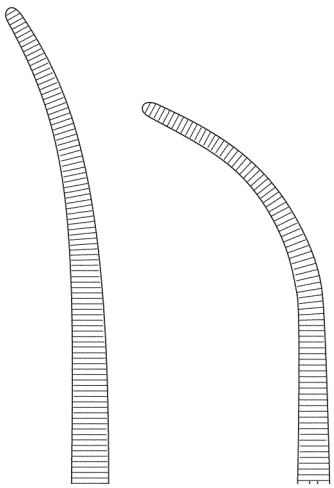


MS 104-715
MS 104-716
MS 104-717

19,0 cm / 7 1/2”
22,0 cm / 8 3/4”
24,0 cm / 9 1/2”

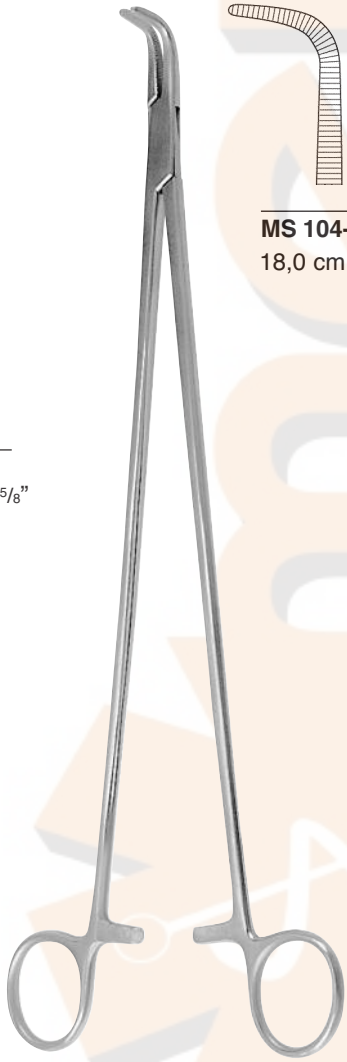


ZENKER



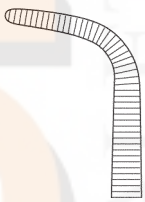
MS 104-730
29,5 cm / 11 5/8”

MS 104-731
29,5 cm / 11 5/8”



MEEKER

MS 104-740
18,0 cm / 7”

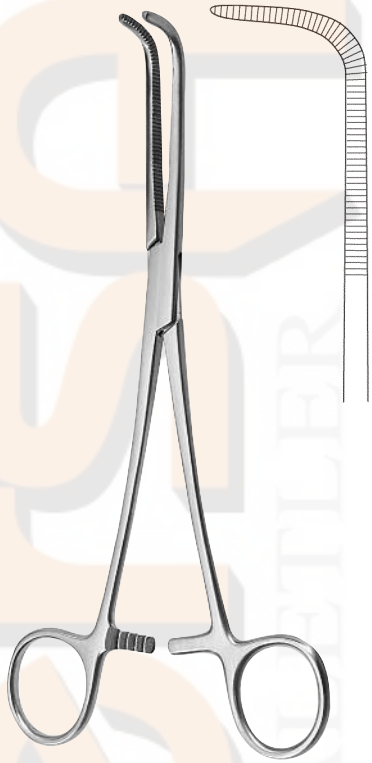


MS 104-741
27,5 cm / 10 3/4”



KANTROWITZ

MS 104-760	19,0 cm / 7½”
MS 104-761	24,0 cm / 9½”
MS 104-762	26,5 cm / 10½”



WIRKSTROEM

MS 104-770	21,0 cm / 8¼”
MS 104-771	24,0 cm / 9½”



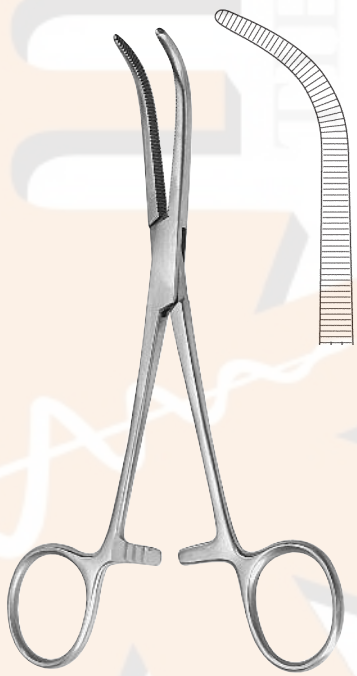
LAWRENCE

MS 104-750	27,5 cm / 10¾”



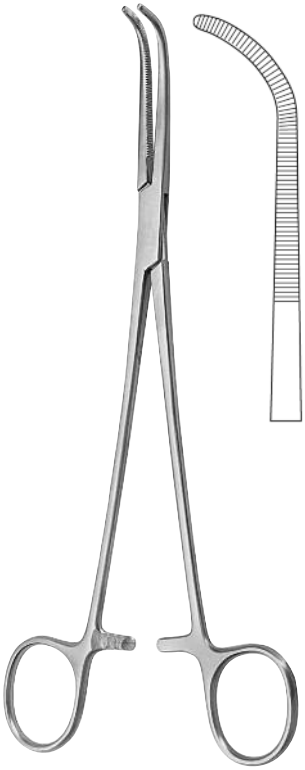
MIXTER

MS 104-780	14,5 cm / 5¾”
MS 104-781	15,5 cm / 6⅛”
MS 104-782	19,0 cm / 7½”



MIXTER-O`SHAUGNESSY

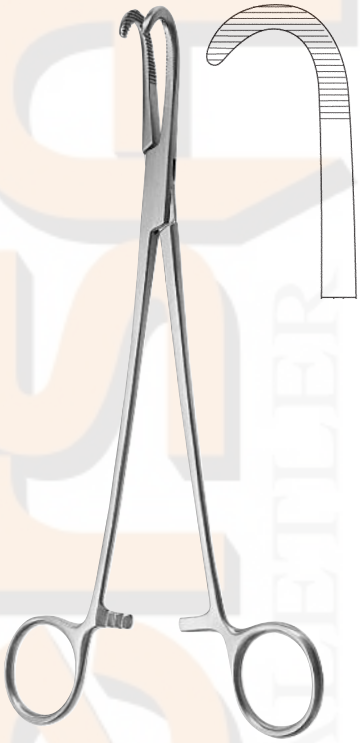
MS 104-783	15,5 cm / 6⅛”
MS 104-784	19,0 cm / 7½”



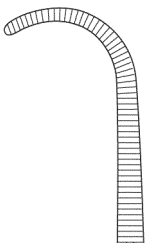
MIXTER
MS 104-785 22,0 cm / 8 3/4”



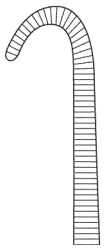
MIXTER
MS 104-786 23,0 cm / 9”



DESJARDINS
MS 104-790 21,0 cm / 8 1/4”

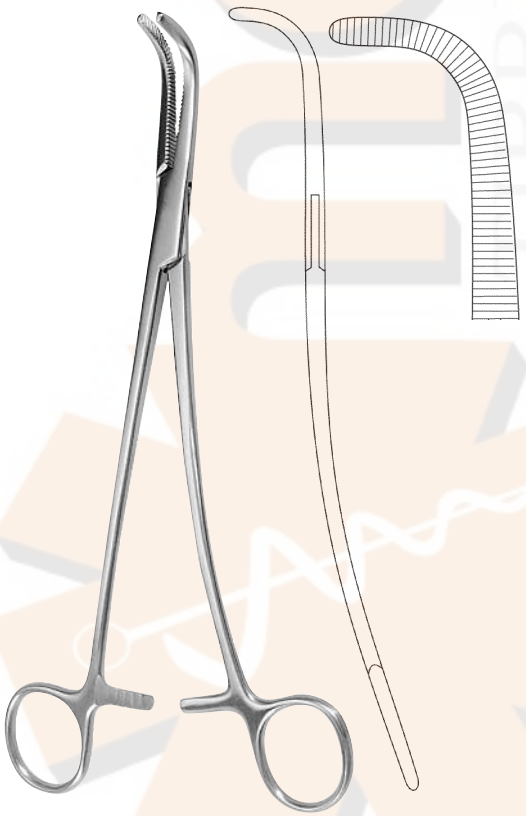


MS 104-800
19,0 cm / 7 1/2”



MS 104-801
19,0 cm / 7 1/2”

NEGUS



GRAY
MS 104-805 22,0 cm / 8 3/4”
MS 104-806 23,0 cm / 9”



MS 104-820
22,0 cm / 8 3/4”

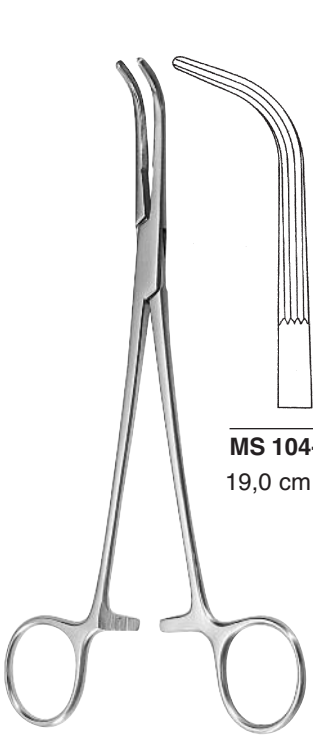
MS 104-821
25,0 cm / 9 3/4”

MS 104-822
28,0 cm / 11”

MIXTER



LOWER
MS 104-830 18,0 cm / 7”



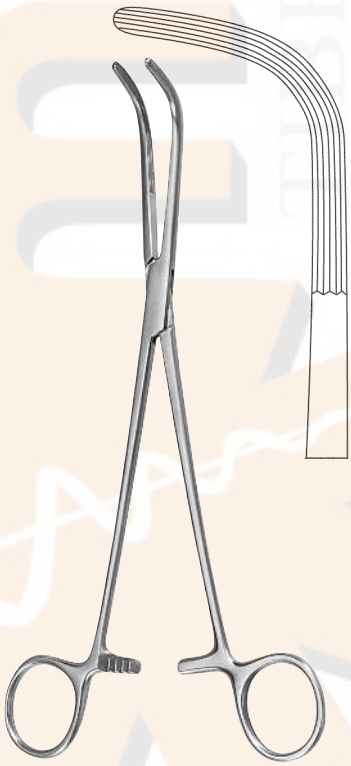
MS 104-831
19,0 cm / 7 1/2”

MS 104-832
23,0 cm / 9”

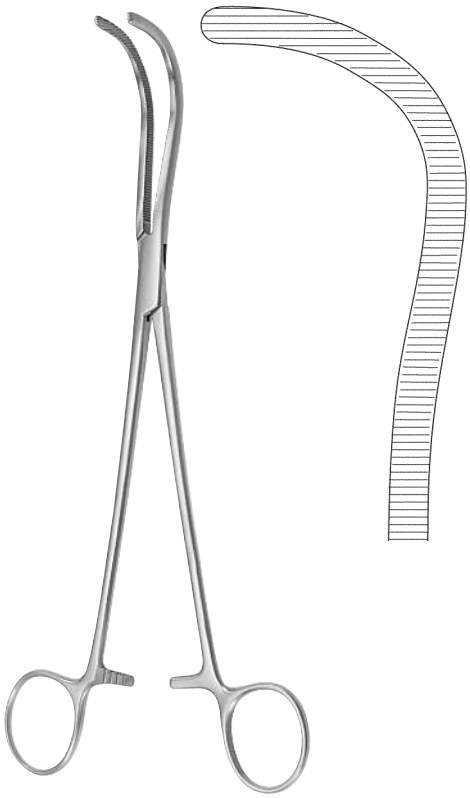
LAHEY



FINOCCHIETTO
MS 104-833 24,0 cm / 9 1/2”



MC QUIGG-MIXTER
MS 104-834 22,0 cm / 8 3/4”



GUYON

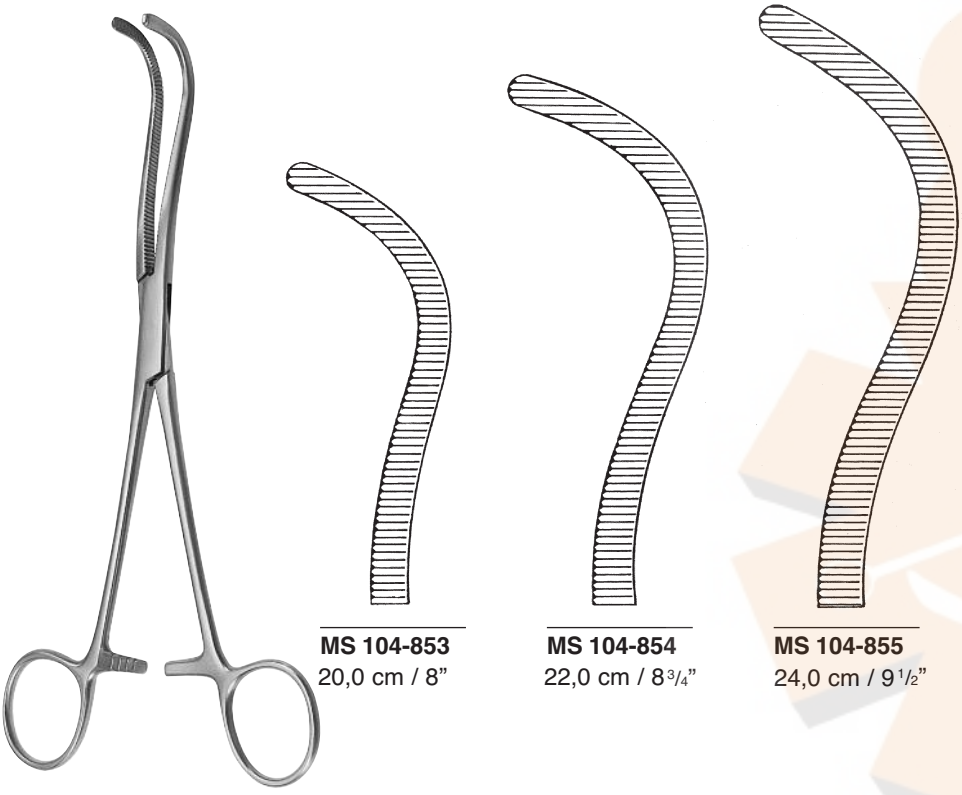
MS 104-850 23,0 cm / 12 1/2”



GUYON-ATRAUMA

MS 104-851
23,0 cm / 9”

MS 104-852
24,0 cm / 9 1/2”

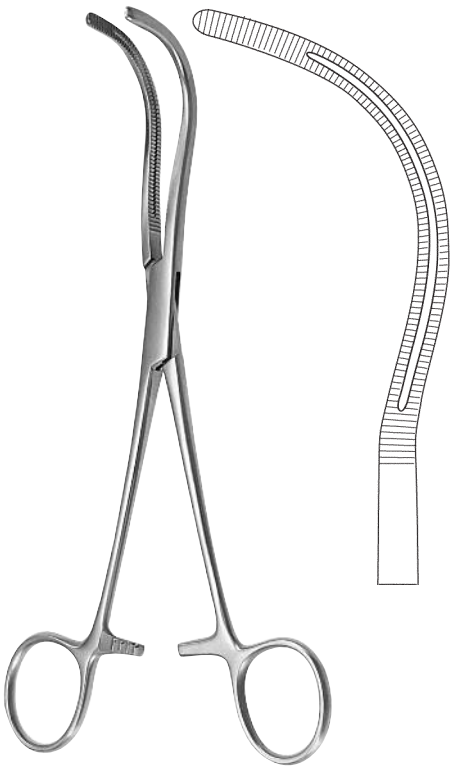


GUYON

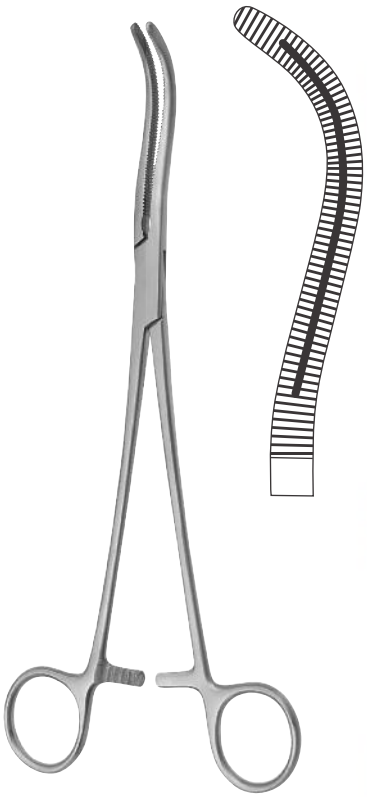
MS 104-853
20,0 cm / 8”

MS 104-854
22,0 cm / 8 3/4”

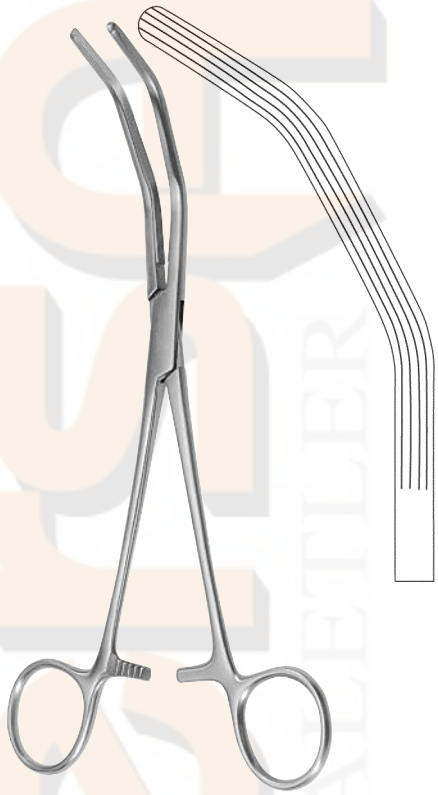
MS 104-855
24,0 cm / 9 1/2”



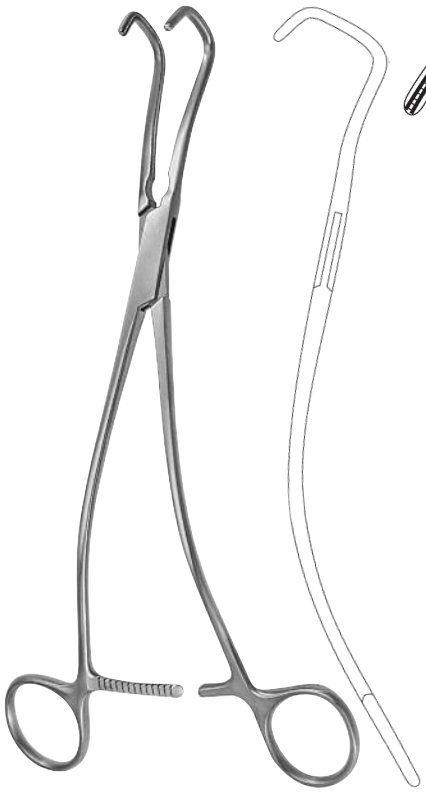
STILLE
MS 104-860 23,0 cm / 9”



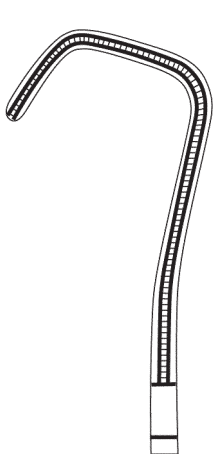
STILLE
MS 104-865 23,0 cm / 9”



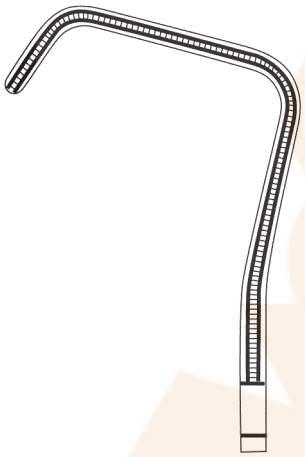
HERRICK
MS 104-867 23,0 cm / 9”



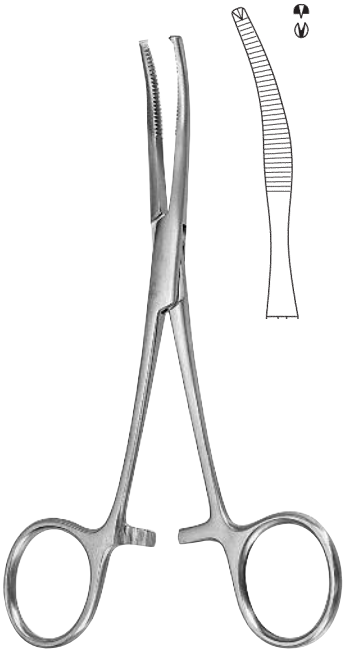
URO-TANGENTIAL



MS 104-868
23,0 cm / 9”

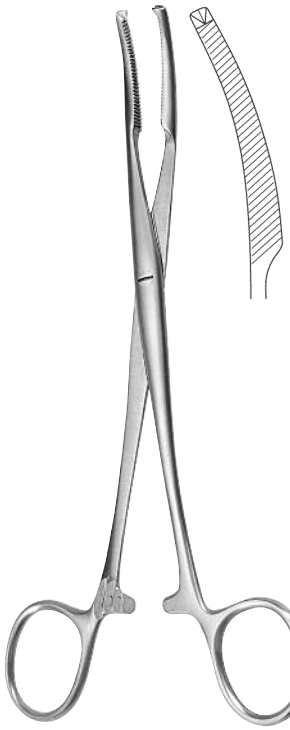


MS 104-869
24,0 cm / 9 1/2”



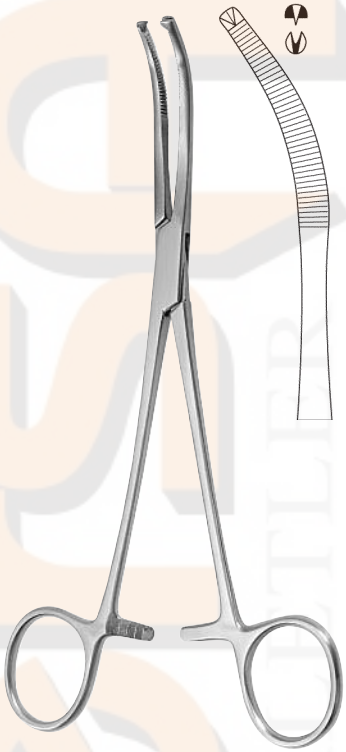
BABY-MIKULICZ

MS 104-880 14,0 cm / 5 3/4”



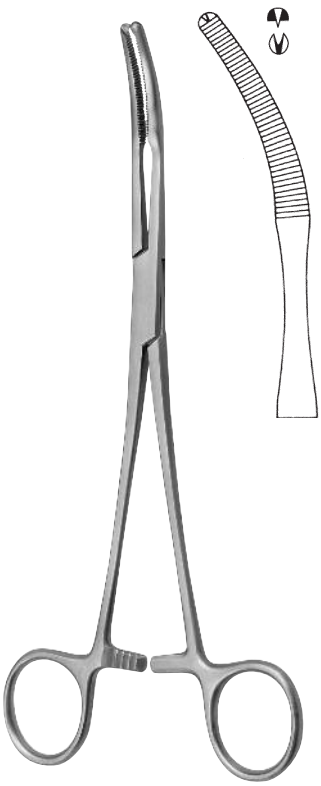
MIKULICZ

MS 104-881 18,0 cm / 7”
MS 104-882 20,0 cm / 8”



MIKULICZ

MS 104-883 18,0 cm / 7”
MS 104-884 20,0 cm / 8”



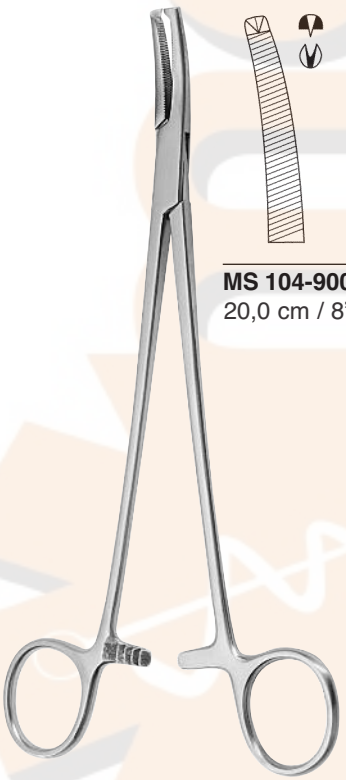
MIKULICZ

MS 104-885 20,0 cm / 8”



MIKULICZ

MS 104-886 20,5 cm / 8”

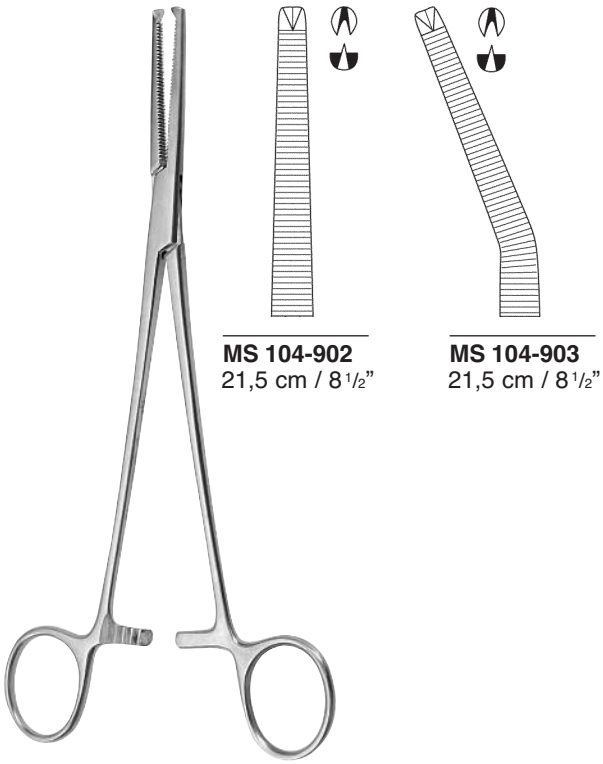


FAURE

MS 104-900
20,0 cm / 8”



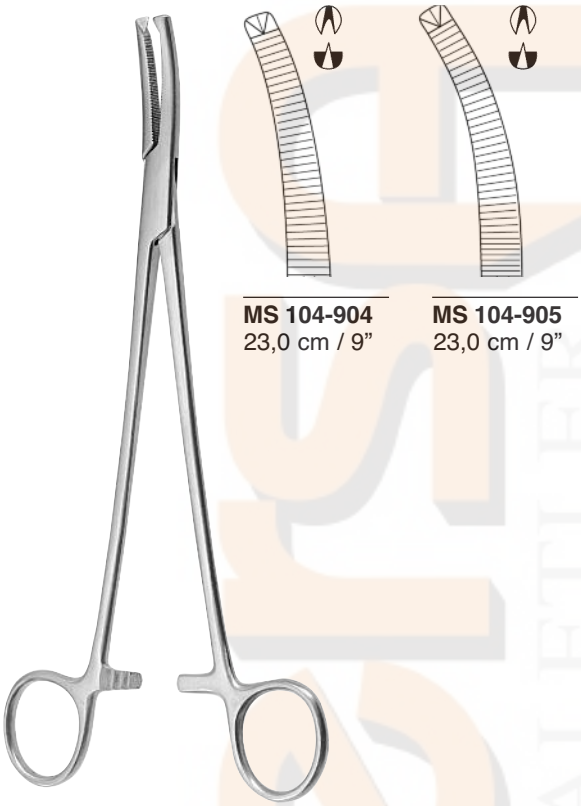
MS 104-901
20,0 cm / 8”



MS 104-902
21,5 cm / 8 1/2”

MS 104-903
21,5 cm / 8 1/2”

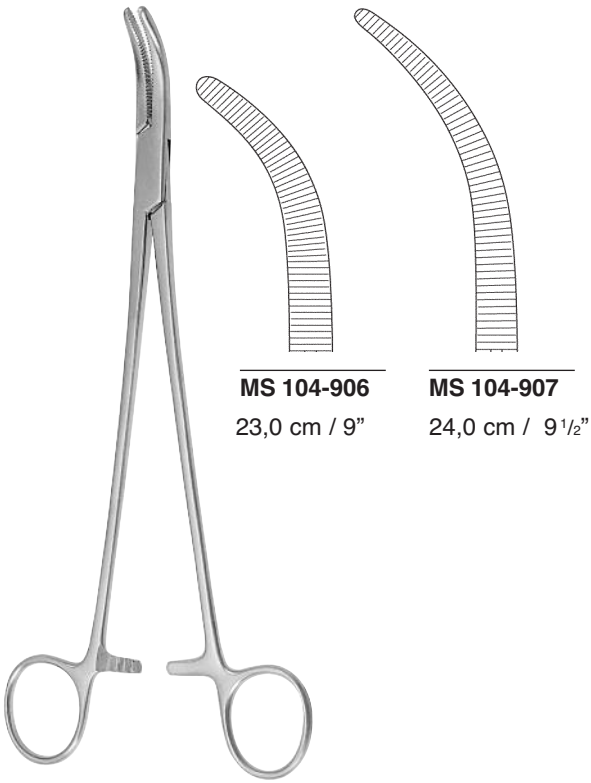
PHANEUF



MS 104-904
23,0 cm / 9”

MS 104-905
23,0 cm / 9”

WERTHEIM



MS 104-906
23,0 cm / 9”

MS 104-907
24,0 cm / 9 1/2”

MOYNIHAN

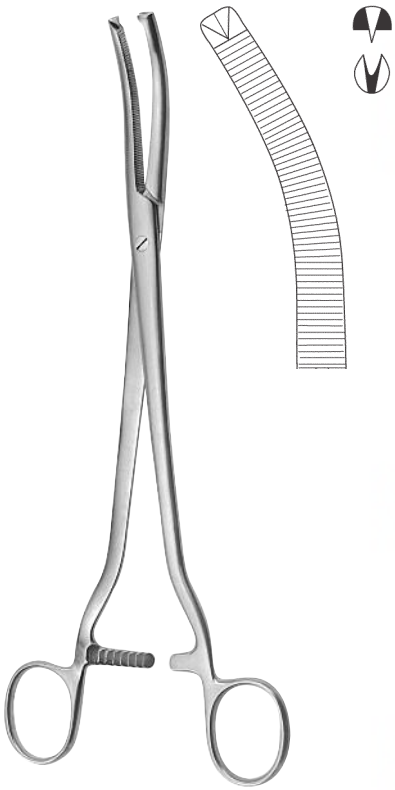


WERTHEIM

MS 104-920 25,0 cm / 10”



WERTHEIM-CULLEN
MS 104-921 21,5 cm / 8 ½”



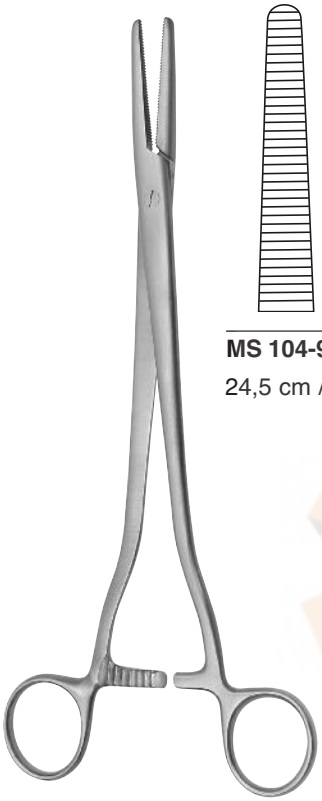
WERTHEIM
MS 104-922 24,0 cm / 9 ½”



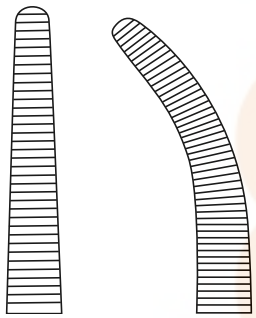
WERTHEIM
MS 104-923 23,5 cm / 9 ¼”



WERTHEIM
MS 104-924 23,5 cm / 9 ¼”

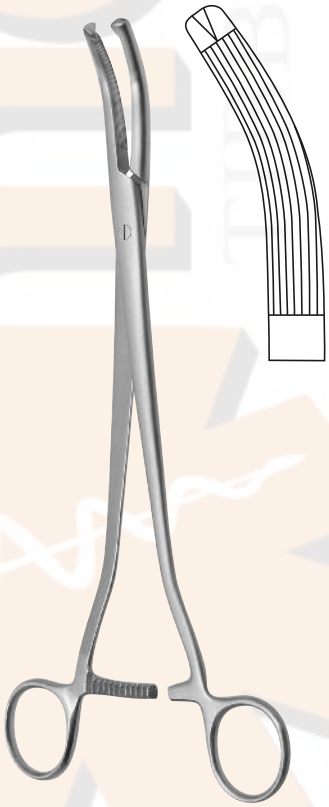


SEGOND-LANDAU

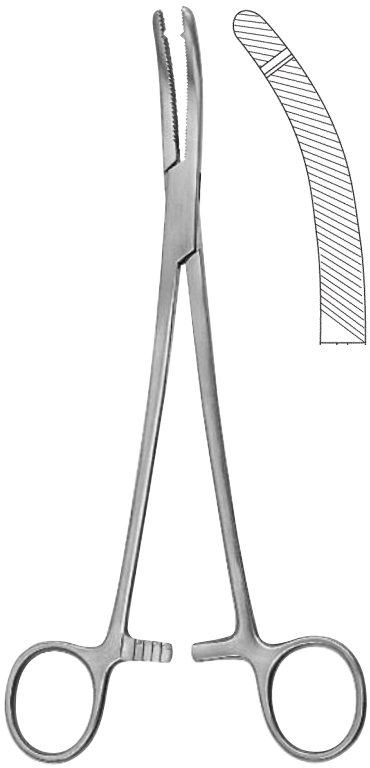


MS 104-940
24,5 cm / 9 ⅔”

MS 104-941
24,0 cm / 9 ½”

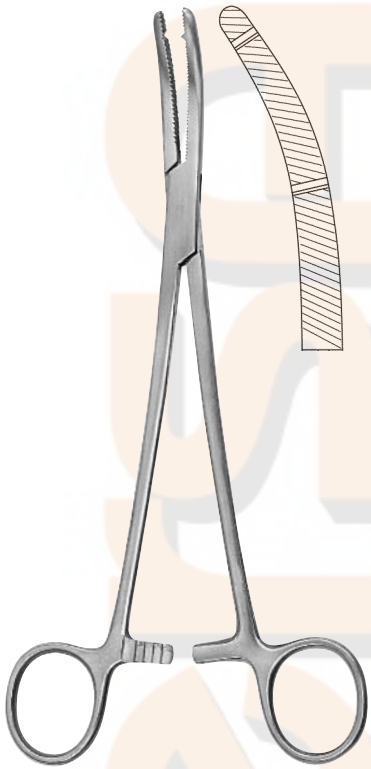


MIKULICZ
MS 104-942 24,5 cm / 9 ⅔”



HEANEY

MS 104-950	19,5 cm / 7¾”
MS 104-951	21,0 cm / 8¼”
MS 104-952	23,0 cm / 9”



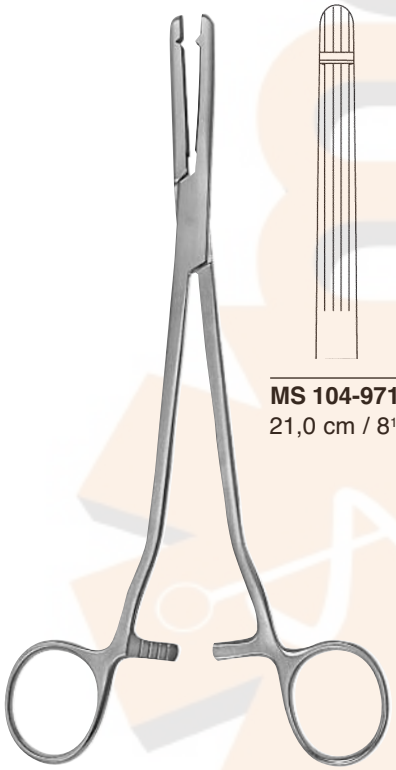
HEANEY

MS 104-953	19,5 cm / 7¾”
MS 104-954	21,0 cm / 8¼”
MS 104-955	23,0 cm / 9”

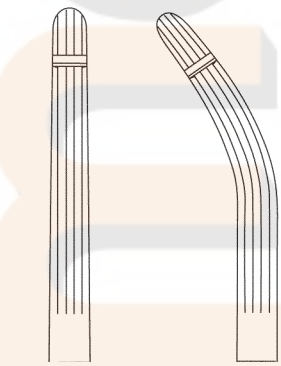


HEANEY-REZEK

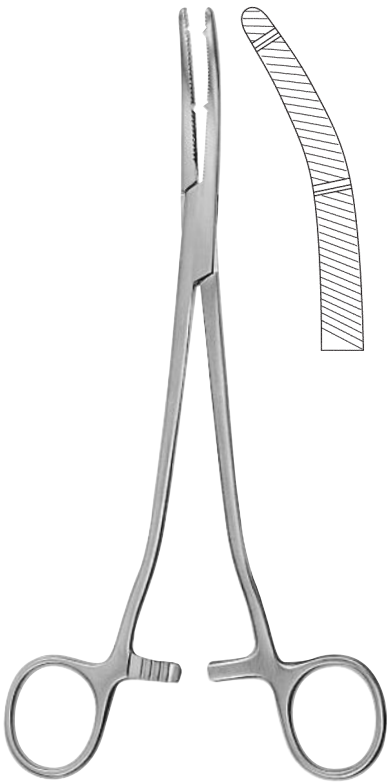
MS 104-970	21,0 cm / 8¼”



HEANEY-BALLENTINE

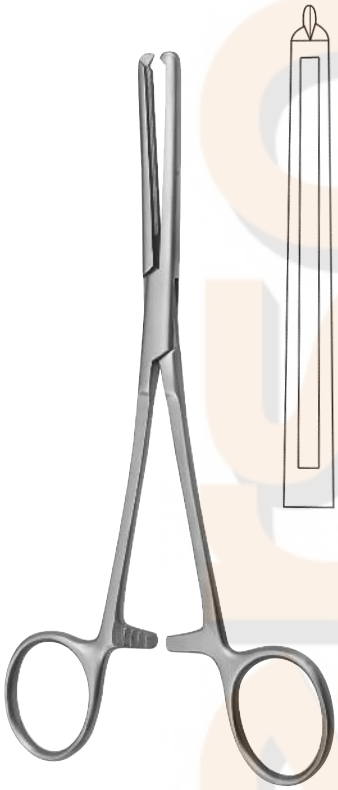


MS 104-971	**MS 104-972**
21,0 cm / 8¼”	21,0 cm / 8¼”



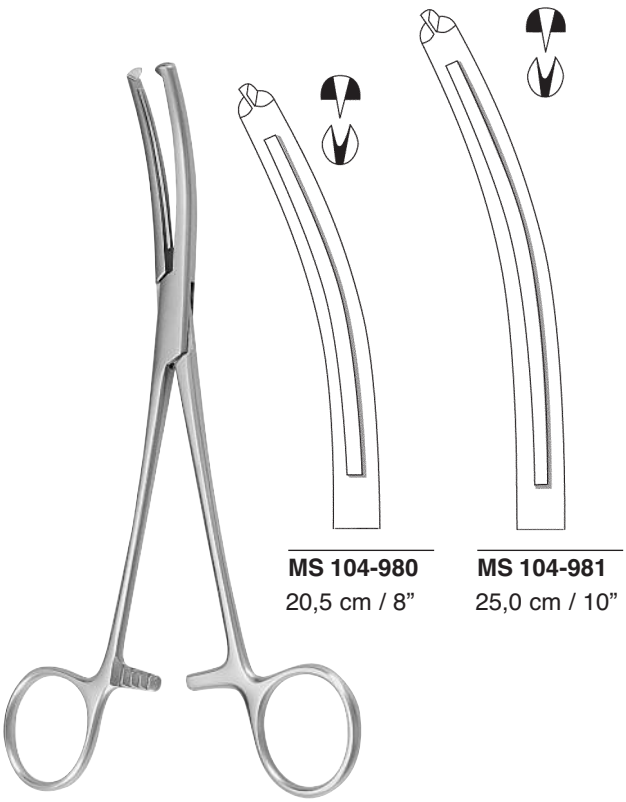
HEANEY-KANTER

MS 104-973 21,0 cm / 8 1/4”



MAINGOT

MS 104-974 20,0 cm / 8”



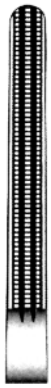
MS 104-980
20,5 cm / 8”

MS 104-981
25,0 cm / 10”

MAINGOT



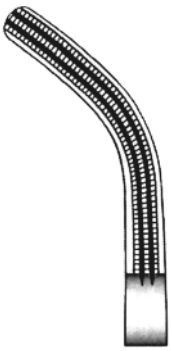
ROGERS



MS 104-990
21,5 cm / 8 1/2”



MS 104-991
21,0 cm / 8 1/4”



MS 104-992
20,5 cm / 8”



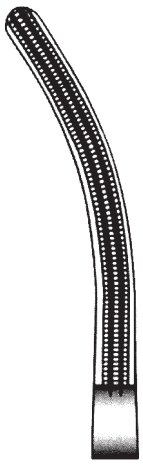
MS 104-993
20,0 cm / 8”



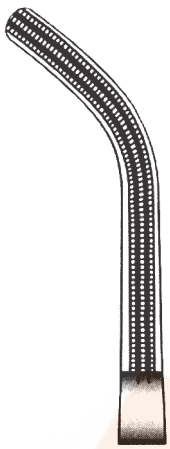
ROGERS



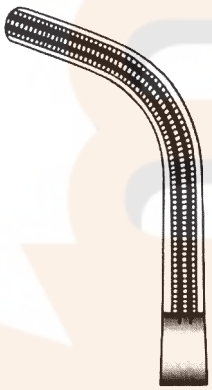
MS 104-994
25,0 cm / 9 3/4”



MS 104-995
25,0 cm / 9 3/4”



MS 104-996
24,5 cm / 9 2/3”



MS 104-997
23,0 cm / 9 1/4”



SCHAEDEL

MS 104-1010 9,0 cm / 3 1/2”



ENGL. MODELL

MS 104-1011 9,0 cm / 3 1/2”



JONES

MS 104-1012 5,0 cm / 2”
MS 104-1013 9,0 cm / 3 1/2”



JONES-FRIMED

MS 104-1014 9,0 cm / 3 1/2”



BACKHAUS

MS 104-1030 8,0 cm / 3 1/8”
MS 104-1031 11,0 cm / 4 3/8”
MS 104-1032 13,0 cm / 5 1/8”
MS 104-1033 15,0 cm / 6”

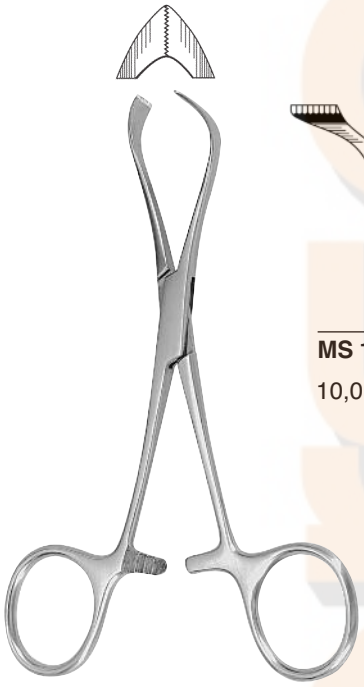


MS 104-1033 11,0 cm / 4 3/8”

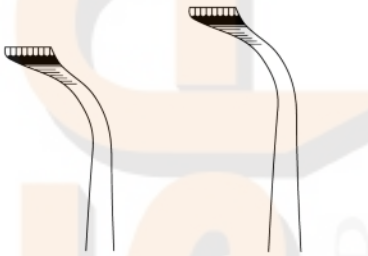


ROEDER

MS 104-1040 13,0 cm / 5 1/8”
MS 104-1041 15,0 cm / 6”



LORNA



MS 104-1042
10,0 cm / 4”

MS 104-1043
13,0 cm / 5”



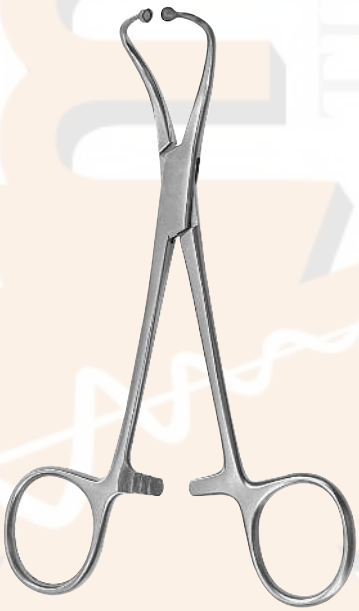
BERNHARD

MS 104-1044 16,5 cm / 6 1/2”



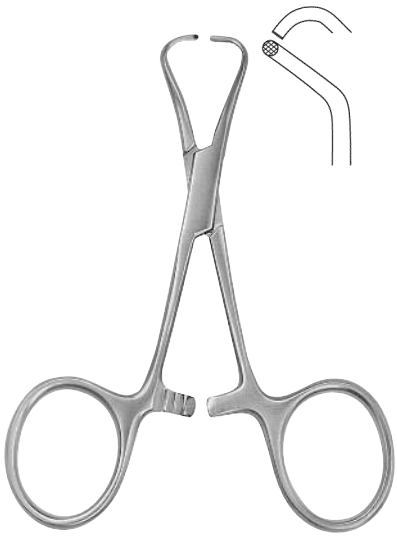
LANE

MS 104-1045 15,0 cm / 6”
MS 104-1046 18,0 cm / 7”
MS 104-1047 20,0 cm / 8”



BALL + SOCKET

MS 104-1048 11,5 cm / 4 1/2”
MS 104-1049 13,0 cm / 5 1/3”



TOHOKU

MS 104-1050 10,0 cm / 4”
MS 104-1051 13,0 cm / 5 1/3”



PEERS-BERTRAM

MS 104-1052 14,5 cm / 5 3/4”



MS 104-1053 10,0 cm / 4”
MS 104-1054 13,0 cm / 5 1/8”



HOFF

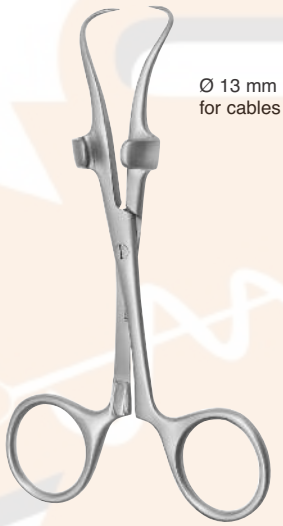
MS 104-1055 11,0 cm / 4 3/8”
MS 104-1056 14,5 cm / 5 3/4”



Ø 5 mm kablolara kadar
for cables up to Ø 5 mm

ROBIN

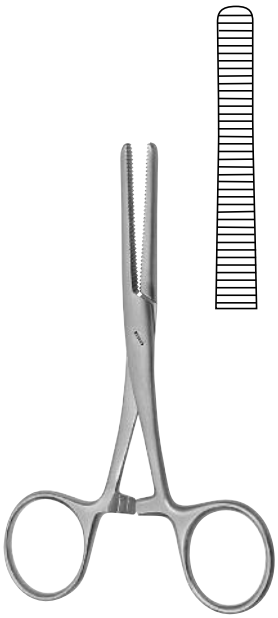
MS 104-1057 13,5 cm / 5 1/4”



Ø 13 mm kablolara kadar
for cables up to Ø 13 mm

ROBIN

MS 104-1058 13,5 cm / 5 1/4”



PEAN

MS 104-1070 12,5 cm / 5”



BERLIN

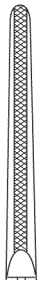
MS 104-1071 14,5 cm / 5 3/4”



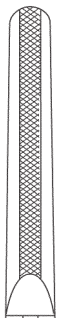
PRESBYTERIAN

MS 104-1072 16,0 cm / 6 1/4”
MS 104-1073 18,0 cm / 7”
MS 104-1074 20,0 cm / 8”

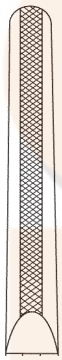




MS 104-1075
15,5 cm / 6 1/8”

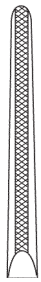


MS 104-1076
18,0 cm / 7”

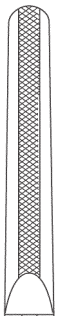


MS 104-1077
20,0 cm / 8”

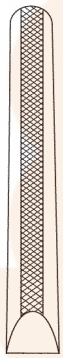




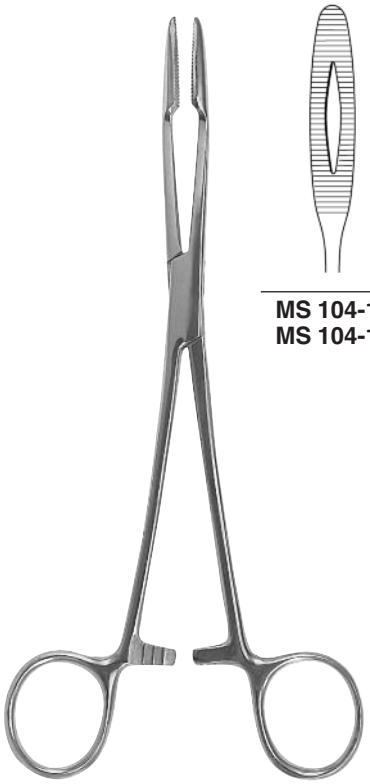
MS 104-1078
15,5 cm / 6 1/8”

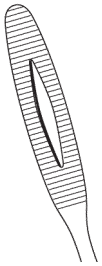


MS 104-1079
18,0 cm / 7”



MS 104-1080
20,0 cm / 8”

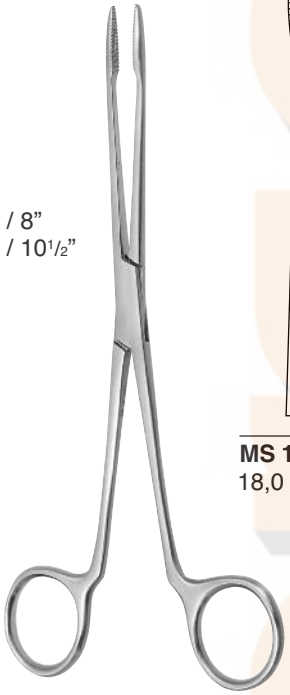


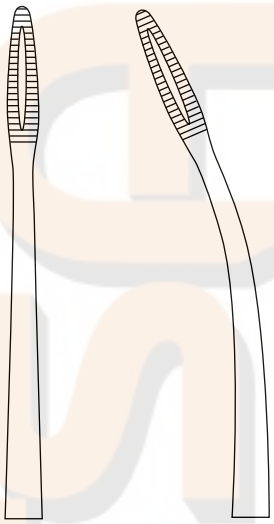


MS 104-1090
MS 104-1091

MS 104-1092 20,0 cm / 8”
MS 104-1093 26,5 cm / 10½”

GROSS-MAIER





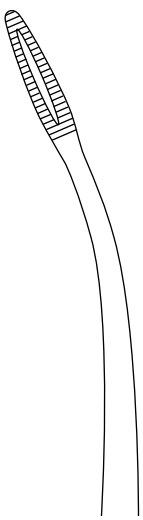
MS 104-1094
18,0 cm / 7”

MS 104-1095
18,0 cm / 7”

GROSS



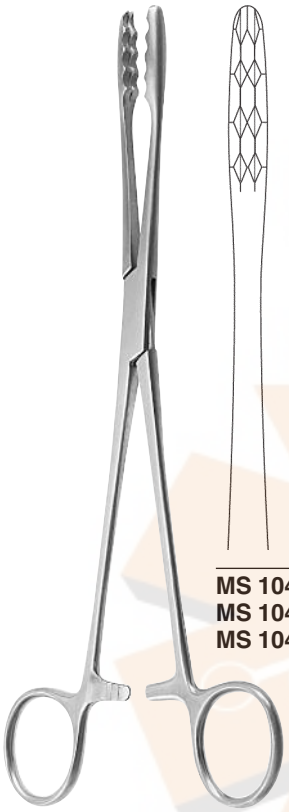




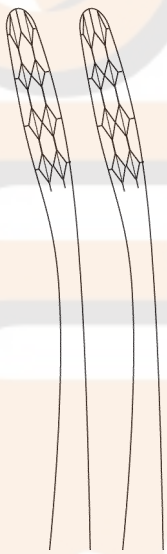
MS 104-1096
18,0 cm / 7”

MS 104-1097
18,0 cm / 7”

GROSS



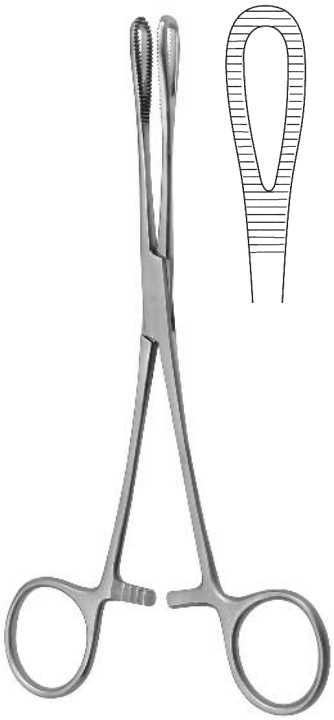




MS 104-1110
MS 104-1111
MS 104-1112

MS 104-1113 22,0 cm / 8¾”
MS 104-1114 25,0 cm / 9¾”
MS 104-1115 27,0 cm / 10¾”

ULRICH



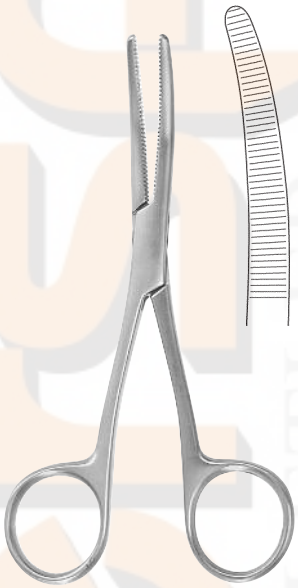
RAMPLEY

MS 104-1130	18,0 cm / 7”
MS 104-1131	25,0 cm / 9 3/4”



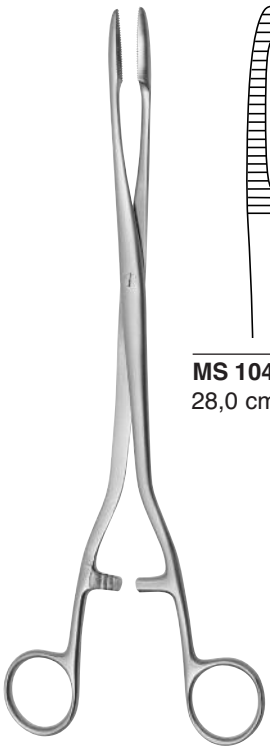
LISTER

MS 104-1140	13,0 cm / 5 1/8”
MS 104-1141	16,0 cm / 6 1/4”
MS 104-1142	18,0 cm / 7”

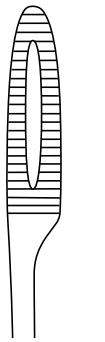


BRYANT

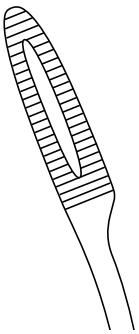
MS 104-1150	13,0 cm / 5 1/8”



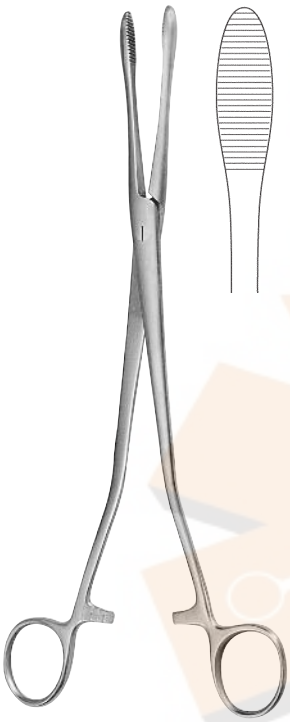
SIMS-MAIER



MS 104-1151
28,0 cm / 11”

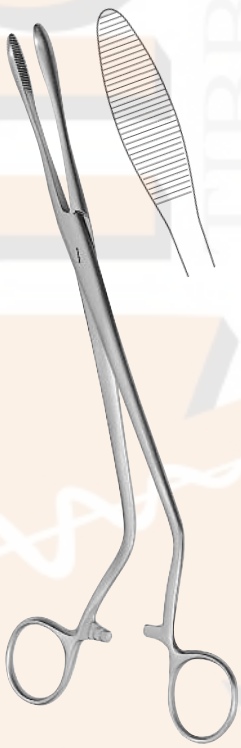


MS 104-1152
28,0 cm / 11”



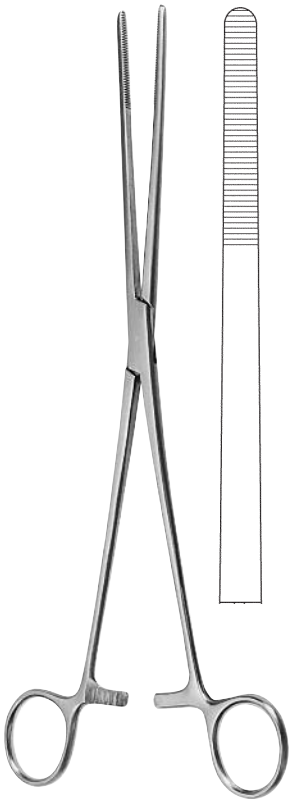
COLLIN

MS 104-1153	25,0 cm / 9 3/4”

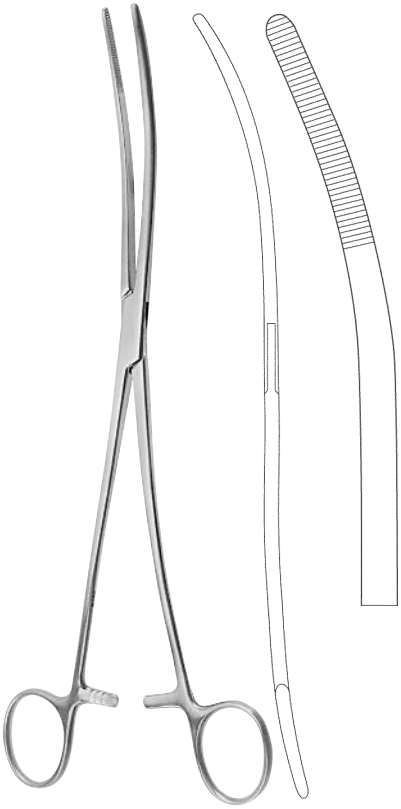


CHERON

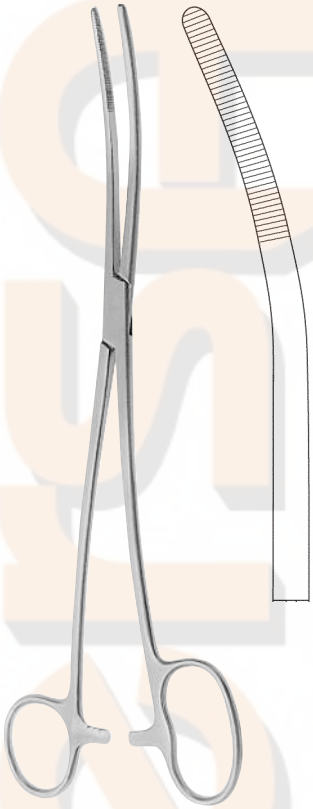
MS 104-1154	25,0 cm / 9 3/4”



BOZEMANN
MS 104-1160 26,0 cm / 10 1/4”



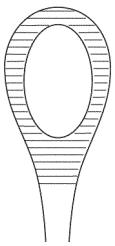
BOZEMANN
MS 104-1161 26,0 cm / 10 1/4”



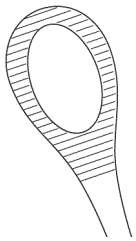
BOZEMANN-DOUGLAS
MS 104-1162 26,0 cm / 10 1/4”



FOERSTER



MS 104-1180
MS 104-1181
MS 104-1182



MS 104-1183
MS 104-1184
MS 104-1185



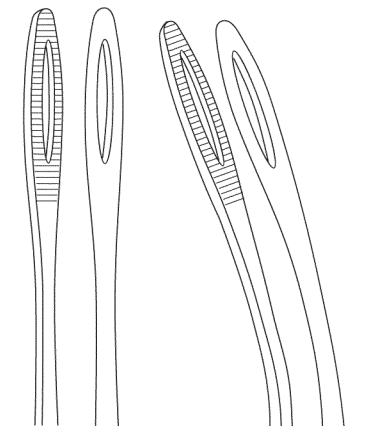
MS 104-1186
MS 104-1187
MS 104-1188



MS 104-1189 18,0 cm / 7”
MS 104-1190 20,0 cm / 8”
MS 104-1191 25,0 cm / 9 3/4”

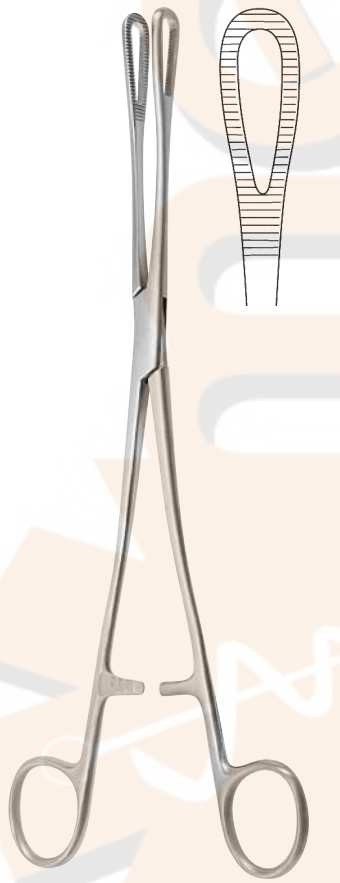


FOERSTER



MS 104-1192
25,0 cm / 9¾”

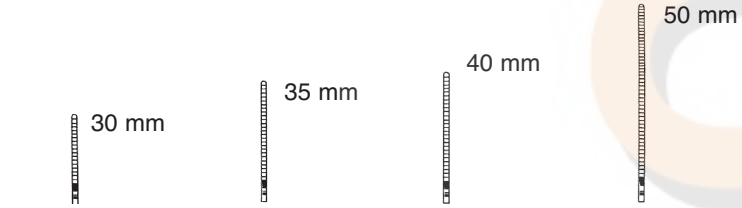
MS 104-1193
25,0 cm / 9¾”



RAMPLEY
MS 104-1200 25,0 cm / 9¾”



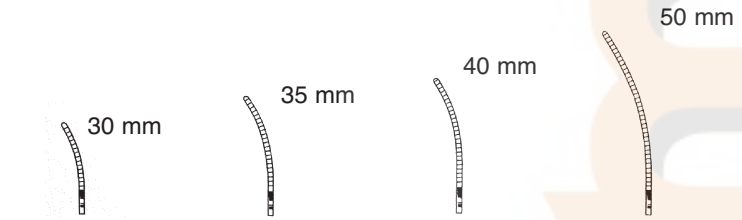
TITANIUM VENA



MS 104-1300 MS 104-1301 MS 104-1302 MS 104-1303



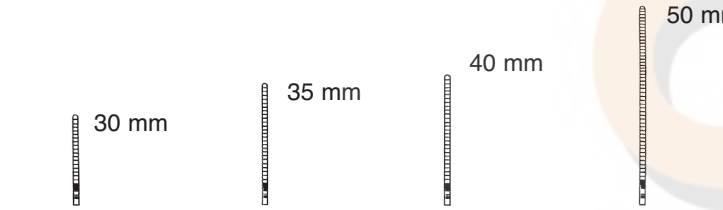
TITANIUM VENA



MS 104-1310 MS 104-1311 MS 104-1312 MS 104-1313



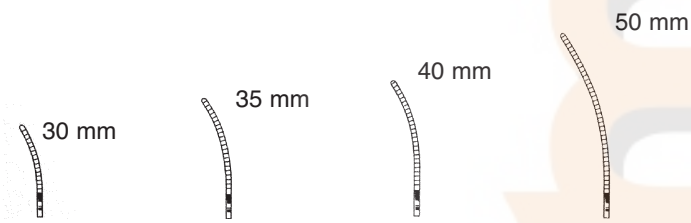
TITANIUM ARTERIA



MS 104-1320	MS 104-1321	MS 104-1322	MS 104-1323



TITANIUM ARTERIA



MS 104-1330	MS 104-1331	MS 104-1332	MS 104-1333





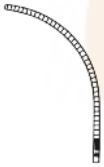
MS 104-1340
MS 104-1350
30 mm



MS 104-1341
MS 104-1351
35 mm



MS 104-1342
MS 104-1352
40 mm

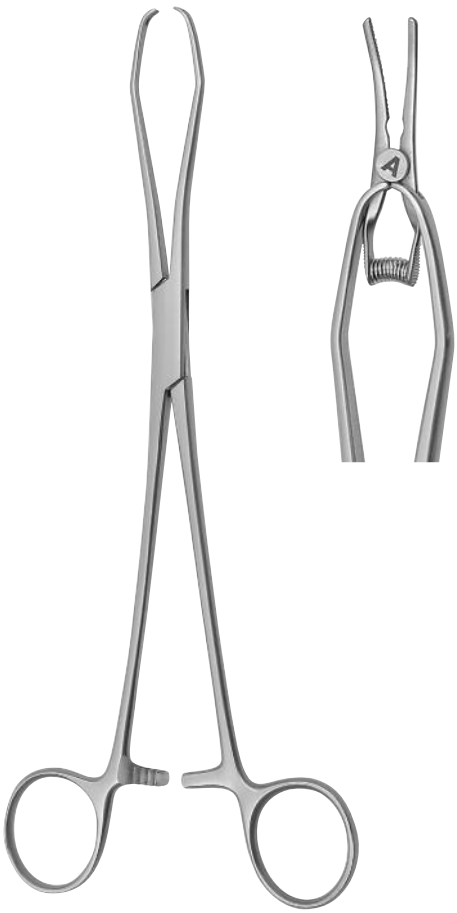


MS 104-1343
MS 104-1353
50 mm



TITANIUM VENA
MS 104-1340 / MS 104-1343

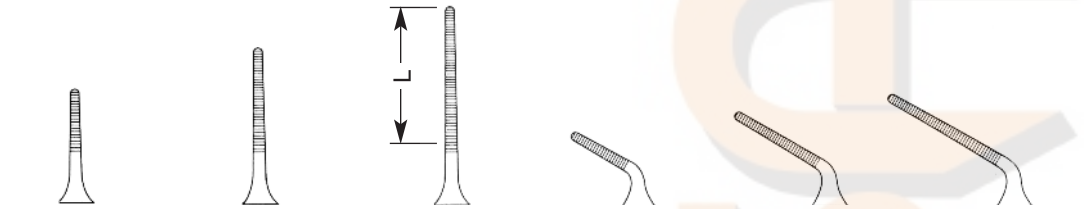
TITANIUM ARTERIA
MS 104-1350 / MS 104-1353



MS 104-1360 24,0 cm / 9 1/2”



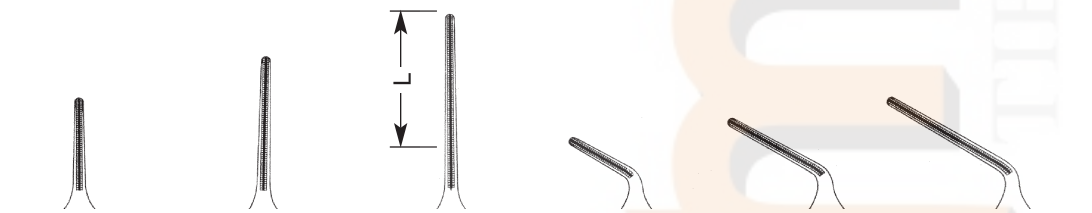
DIETHRICH



MS 104-1370	MS 104-1371	MS 104-1372	MS 104-1373	MS 104-1374	MS 104-1375
8 mm (L)	12 mm (L)	20 mm (L)	8 mm (L)	12 mm (L)	20 mm (L)



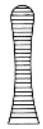
DEBAKEY-DIETHRICH



MS 104-1390	MS 104-1391	MS 104-1392	MS 104-1393	MS 104-1394	MS 104-1395
10 mm (L)	14 mm (L)	20 mm (L)	10 mm (L)	14 mm (L)	20 mm (L)







MS 104-1410
3,5 cm / 1 ½”

MS 104-1411
5,0 cm / 2”

DIEFENBACH



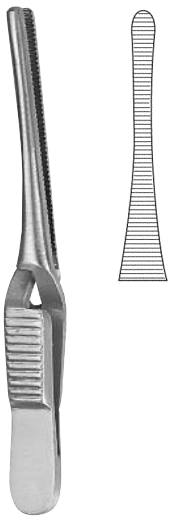




MS 104-1412
3,5 cm / 1 ½”

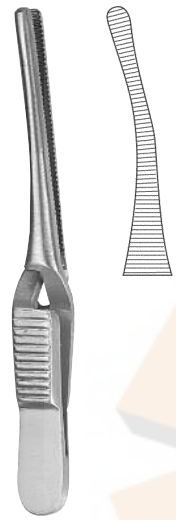
MS 104-1413
5,0 cm / 2”

DIEFENBACH



JOHNS-HOPKINS

MS 104-1420 5,0 cm / 2”
MS 104-1421 6,5 cm / 2 ½”
MS 104-1422 7,5 cm / 3”



JOHNS-HOPKINS

MS 104-1423 5,0 cm / 2”
MS 104-1424 6,5 cm / 2 ½”
MS 104-1425 7,5 cm / 3”



HESS L

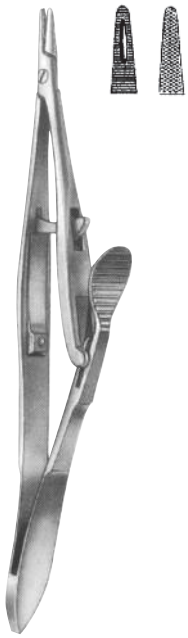
MS 104-1440 20 mm
MS 104-1441 30 mm

mersa
TIBBİ ALETLER

105

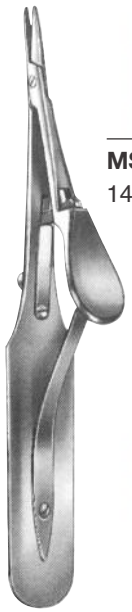


PORTEGÜLER
NEEDLE HOLDERS



KALT

MS 105-101 14,0 cm / 5½"





MS 105-102
14,0 cm / 5½"



MS 105-103
14,0 cm / 5½"

ARRUGA





MS 105-104
16,0 cm / 6¼"



MS 105-105
16,0 cm / 6¼"

ARRUGA



MS 105-110
10,0 cm / 4"

MS 105-111
10,0 cm / 4"

kilitsiz
without ratchet

BARRAQUER-TROUTMAN



MS 105-112
10,0 cm / 4"

MS 105-113
10,0 cm / 4"

kilitli
with ratchet

BARRAQUER-TROUTMAN



MS 105-114
11,5 cm / 4½"

MS 105-115
13,0 cm / 5⅛"

MS 105-116
14,0 cm / 5½"

MS 105-117
11,5 cm / 4½"

MS 105-118
13,0 cm / 5⅛"

MS 105-119
14,0 cm / 5½"

BARRAQUER
kilitsiz
without ratchet



MS 105-120
11,5 cm / 4½"

MS 105-121
13,0 cm / 5⅛"

MS 105-122
14,0 cm / 5½"

MS 105-123
11,5 cm / 4½"

MS 105-124
13,0 cm / 5⅛"

MS 105-125
14,0 cm / 5½"

BARRAQUER
kilitli
with ratchet



kilitli
with ratchet

BARRAQUER

MS 105-140	15,0 cm / 6"
MS 105-141	18,0 cm / 6"
MS 105-142	21,0 cm / 8¼"



kilitli
with ratchet

BARRAQUER

MS 105-143	15,0 cm / 6"
MS 105-144	18,0 cm / 6"
MS 105-145	21,0 cm / 8¼"



kilitsiz
without ratchet

BARRAQUER

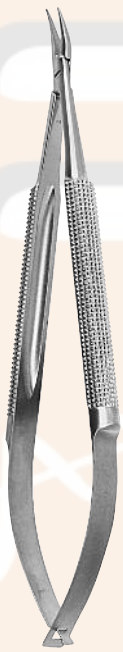
MS 105-146	15,0 cm / 6"
MS 105-147	18,0 cm / 6"
MS 105-148	21,0 cm / 8¼"



kilitsiz
without ratchet

BARRAQUER

MS 105-149	15,0 cm / 6"
MS 105-150	18,0 cm / 6"
MS 105-151	21,0 cm / 8¼"



eğri
curved

kilitsiz
without ratchet

GOMEL

MS 105-152	14,0 cm / 5½"





MS 105-160
14,0 cm / 5½"



MS 105-161
14,0 cm / 5½"

CASTROVIEJO

kilitli
with ratchet





MS 105-162
14,0 cm / 5½"



MS 105-163
14,0 cm / 5½"

CASTROVIEJO

kilitsiz
without ratchet





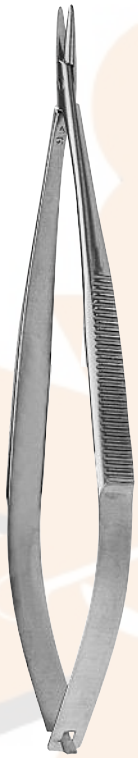
MS 105-164
14,0 cm / 5½"



MS 105-165
14,0 cm / 5½"

CASTROVIEJO

kilitli
with ratchet





MS 105-166
14,0 cm / 5½"



MS 105-167
14,0 cm / 5½"

CASTROVIEJO

kilitsiz
without ratchet



CASTROVIEJO (JACOBSON)

MS 105-180	18,0 cm / 7"
MS 105-181	21,0 cm / 8¼"



CASTROVIEJO (JACOBSON)

MS 105-182	18,0 cm / 7"
MS 105-183	21,0 cm / 8¼"



CASTROVIEJO (JACOBSON)

MS 105-184	18,0 cm / 7"
MS 105-185	21,0 cm / 7"



CASTROVIEJO (JACOBSON)

MS 105-186	18,0 cm / 7"
MS 105-187	21,0 cm / 7"



CASTROVIEJO (JACOBSON)

MS 105-188	18,0 cm / 7"
MS 105-189	21,0 cm / 7"



CASTROVIEJO (JACOBSON)

MS 105-190	18,0 cm / 7"
MS 105-191	21,0 cm / 7"



CASTROVIEJO (JACOBSON)

MS 105-192	18,0 cm / 7"
MS 105-193	21,0 cm / 7"



CASTROVIEJO (JACOBSON)

MS 105-194	18,0 cm / 7"
MS 105-195	21,0 cm / 7"



YASARGIL

MS 105-210	20,0 cm / 8"
MS 105-211	22,5 cm / 9"
MS 105-212	24,5 cm / 9⅔"



YASARGIL

MS 105-213	20,0 cm / 8"
MS 105-214	22,5 cm / 9"
MS 105-215	24,5 cm / 9⅔"



CASTROVIEJO

MS 105-230	13,0 cm / 5⅛"



CASTROVIEJO

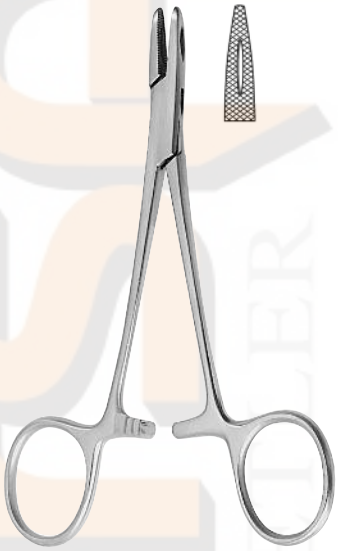
MS 105-231	13,0 cm / 5⅛"



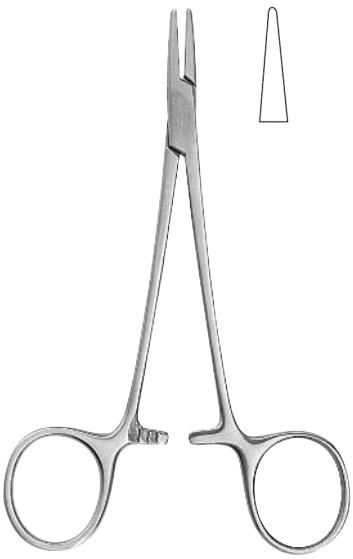
DERF
MS 105-232 12,0 cm / 4¾"



DERF
MS 105-233 12,5 cm / 5"



COLLIER
MS 105-234 12,5 cm / 5"



WEBSTER
MS 105-240 13,0 cm / 5"



WEBSTER
MS 105-241 13,0 cm / 5"



HALSEY
MS 105-250 11,5 cm / 4"
MS 105-251 13,0 cm / 5⅛"



HALSEY

MS 105-252 13,0 cm / 5 1/8"



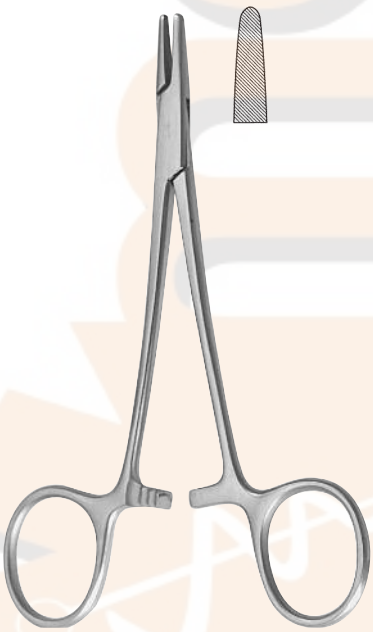
NEIVERT

MS 105-260 13,0 cm / 5 1/8"



BAUMGARTNER

MS 105-261 14,0 cm / 5 1/2"



BROWN

MS 105-262 13,0 cm / 5 1/8"
MS 105-263 18,0 cm / 7"



CRILE MURRAY

MS 105-270 15,0 cm / 6"



CRILE WOOD

MS 105-271 15,0 cm / 6"
MS 105-272 18,0 cm / 7"
MS 105-273 20,0 cm / 8"



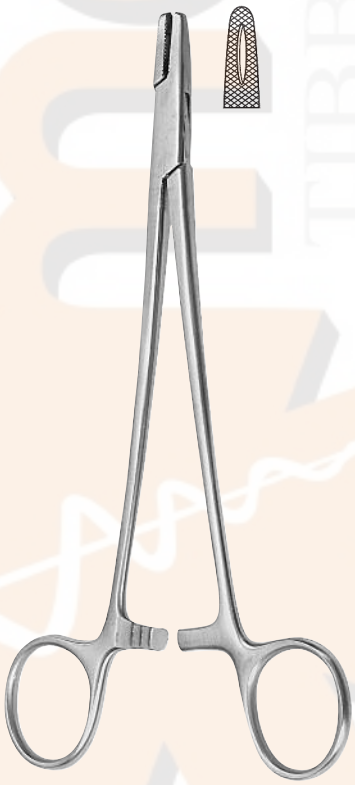
ADSON

MS 105-280 18,0 cm / 7"



METZENBAUM

MS 105-281 18,0 cm / 7"

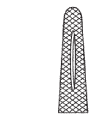


MASS.-GENERAL-HOS ITAL

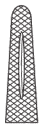
MS 105-282 17,0 cm / 6¾"



MAYO-HEGAR



MS 105-290
12,5 cm / 5"



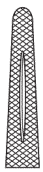
MS 105-291
14,0 cm / 5½"



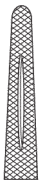
MS 105-292
16,0 cm / 6¼"



MS 105-293
18,0 cm / 7"



MS 105-294
20,0 cm / 5½"



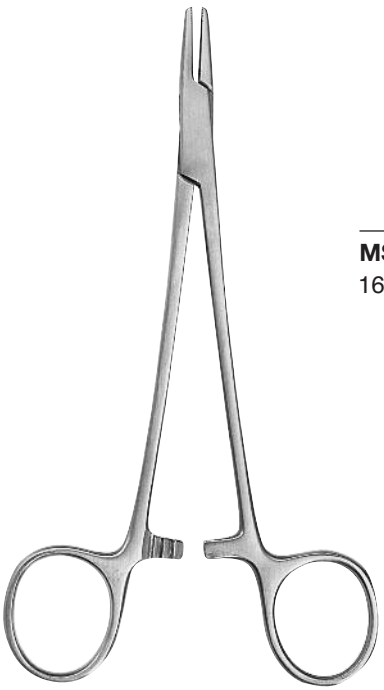
MS 105-295
24,0 cm / 9½"



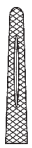
MS 105-296
26,0 cm / 10¼"



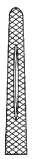
MS 105-297
30,0 cm / 11¾"



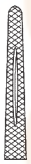
MAYO HEGAR



MS 105-310
16,0 cm / 6¼"



MS 105-311
18,0 cm / 7"



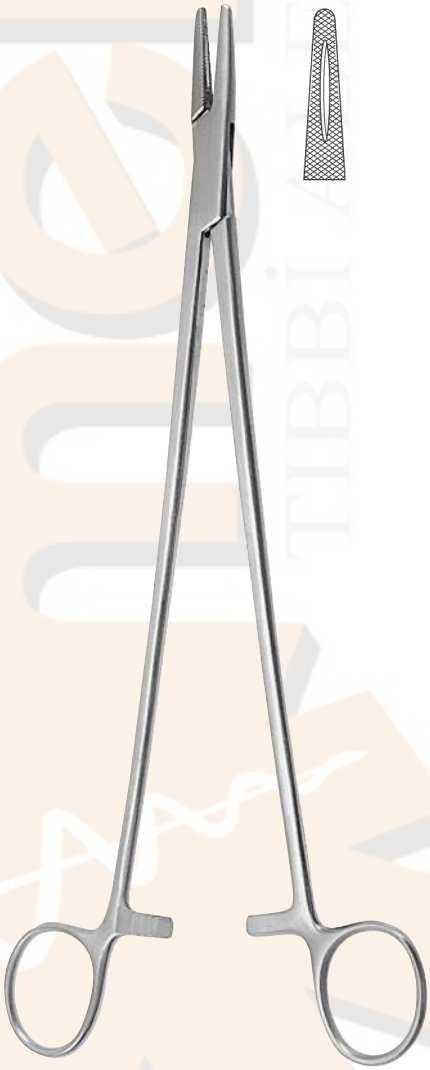
MS 105-312
20,0 cm / 8"



HEANEY
MS 105-320 21,0 cm / 8¼"



JAMISON
MS 105-321 23,5 cm / 9¼"



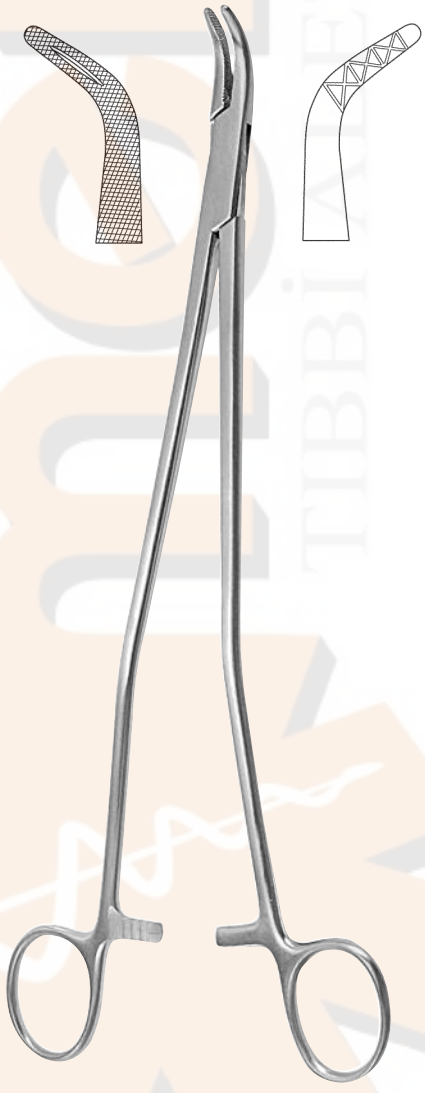
MASSON
MS 105-322 27,0 cm / 10½"



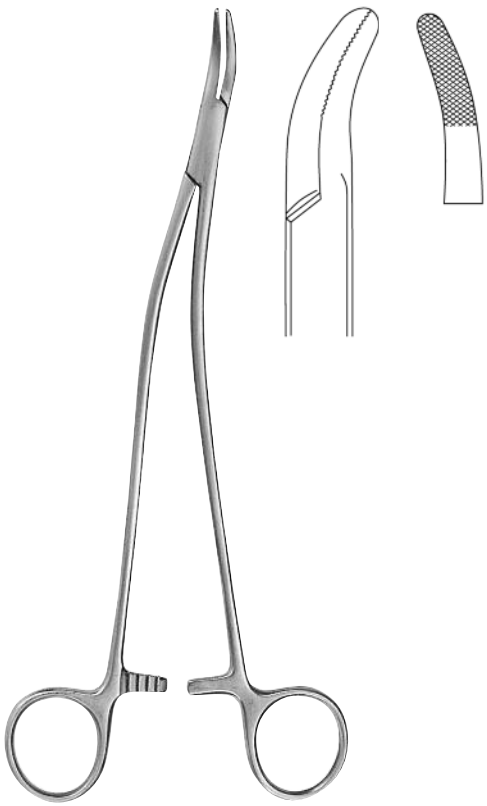
FINOCHIETTO
MS 105-323 27,0 cm / 10½"



WANGENSTEEN
MS 105-324 27,0 cm / 10½"

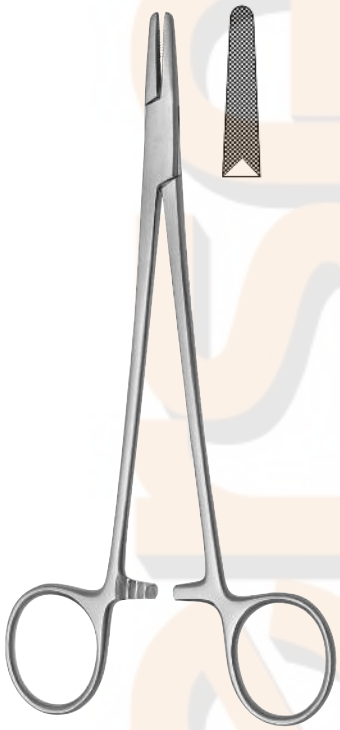


JOHNSON
MS 105-326 27,0 cm / 10½"



STRATTE

MS 105-327 23,0 cm / 9"



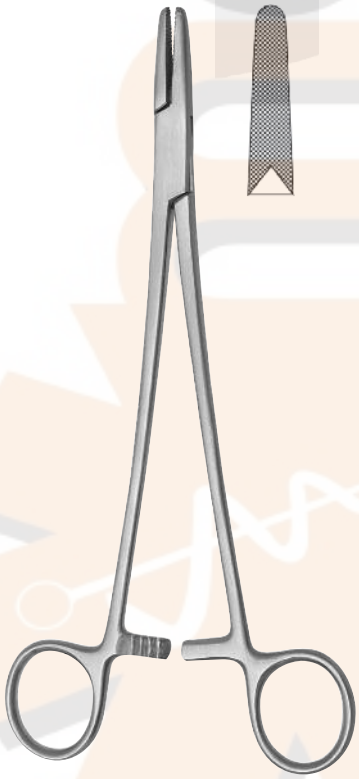
MAYO-HEGAR

MS 105-340 16,5 cm / 6½"
MS 105-341 19,0 cm / 7½"



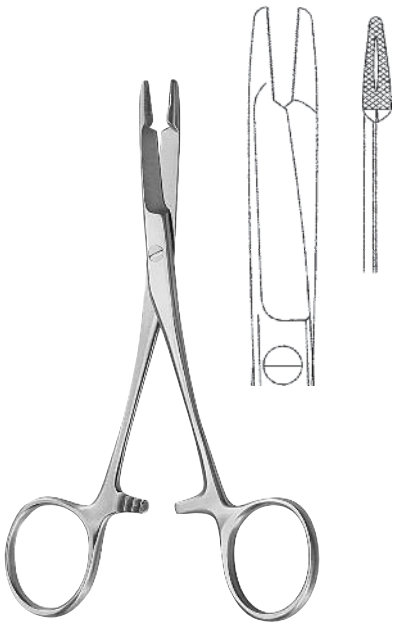
HEGAR

MS 105-342 15,0 cm / 6"
MS 105-343 17,5 cm / 7"
MS 105-344 20,5 cm / 8"



HEGAR

MS 105-345 20,5 cm / 8"



OLSEN-HEGAR

MS 105-360	11,5 cm / 4½"
MS 105-361	14,0 cm / 5½"



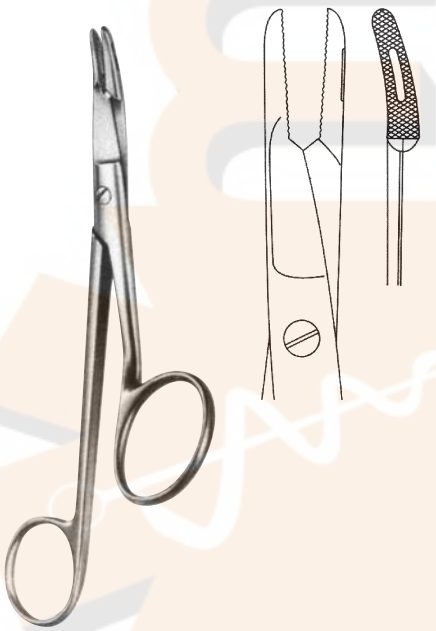
OLSEN-HEGAR

MS 105-362	18,5 cm / 7¼"



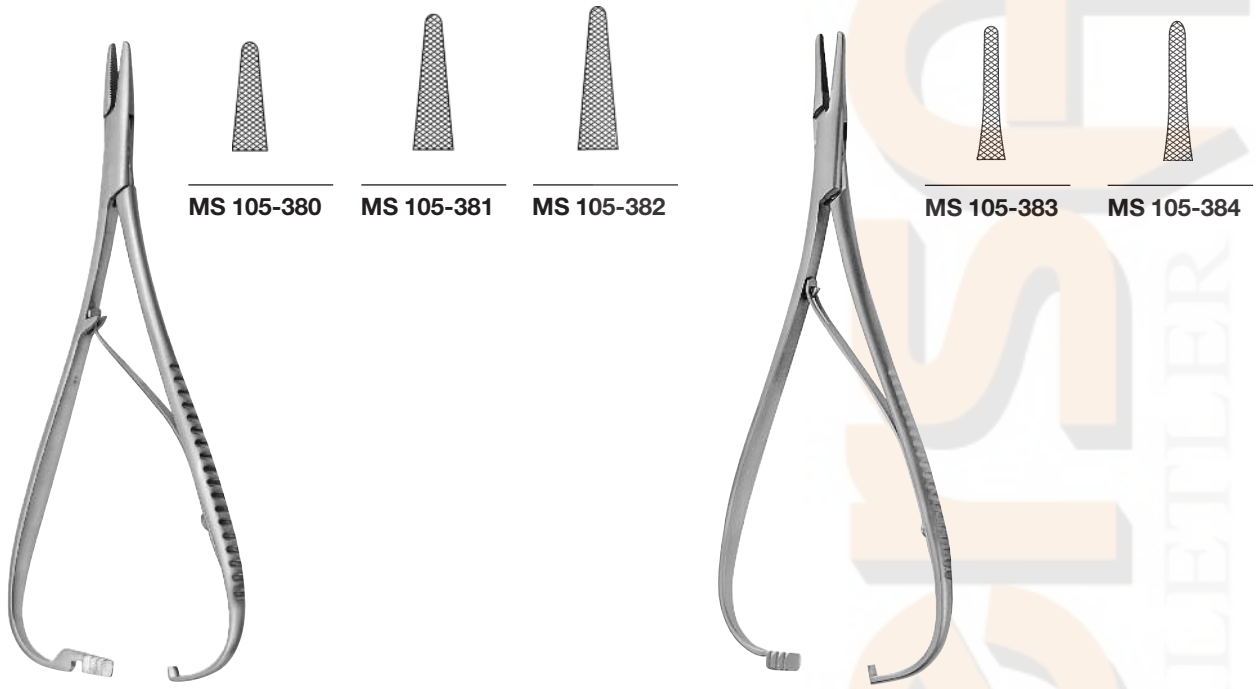
BABY-GILLIES

MS 105-363	15,0 cm / 6"



GILLIES

MS 105-364	16,0 cm / 6¼"



MS 105-380 MS 105-381 MS 105-382 MS 105-383 MS 105-384

MATHIEU

14,0 cm / 5½"
17,0 cm / 6¾"
20,0 cm / 8"

MATHIEU-KOCHER

14,0 cm / 5½"
17,0 cm / 6¼"



MATHIEU-RYDER

MS 105-385 14,0 cm / 5½"



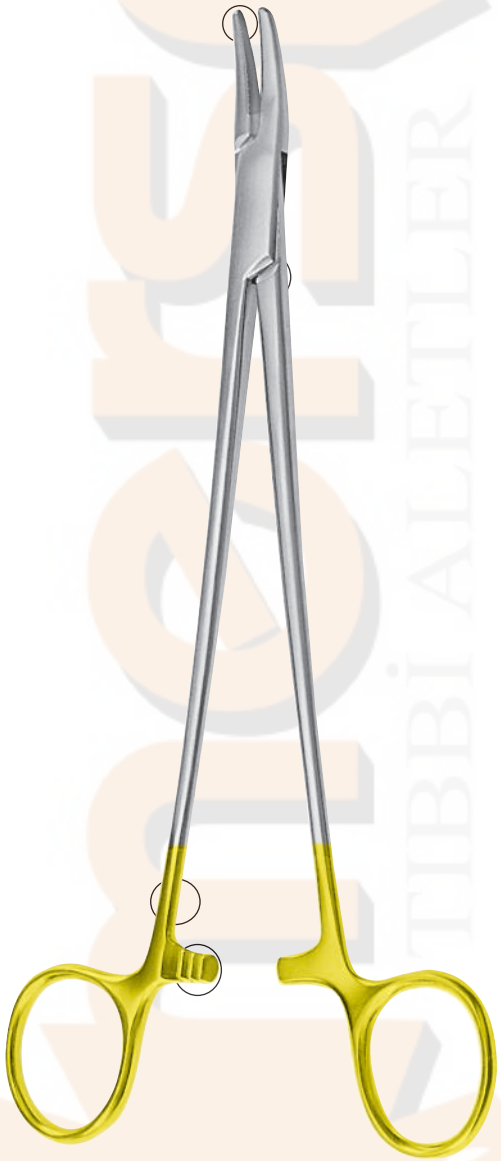
TOENNIS

MS 105-386 18,0 cm / 7"



LICHTENBERG

MS 105-387 20,0 cm / 8"



Tungsten carbide uçlar güvenli bir şekilde iğne kavraması için.

Kolay tanınması için altın kaplamalı yüzük.

Yumuşak çalışma yakalamak için güvenli kullanım sağlar.

Tungsten carbide inserts with precisely worked out structure guarantee to grip the needle securely.

Gold-plated rings for easy identification.

Soft working catch provides safe handling.



KALT

MS 105-500 14,0 cm / 5½"





MS 105-501
16,0 cm / 6¼"



MS 105-502
16,0 cm / 6¼"

ARRUGA



BOYTON

MS 105-503 12,0 cm / 4¾"



CASTROVIEJO (JACOBSON)

MS 105-510	14,0 cm / 5½"
MS 105-511	18,0 cm / 7"
MS 105-512	22,0 cm / 8¾"



CASTROVIEJO (JACOBSON)

MS 105-513	14,0 cm / 5½"
MS 105-514	18,0 cm / 7"
MS 105-515	22,0 cm / 8¾"



CASTROVIEJO (JACOBSON)

MS 105-516	14,0 cm / 5½"
MS 105-517	18,0 cm / 7"
MS 105-518	22,0 cm / 8¾"



CASTROVIEJO (JACOBSON)

MS 105-519	14,0 cm / 5½"
MS 105-520	18,0 cm / 7"
MS 105-521	22,0 cm / 8¾"



CASTROVIEJO (JACOBSON)

MS 105-522	14,0 cm / 5½"
MS 105-523	18,0 cm / 7"
MS 105-524	22,0 cm / 8¾"



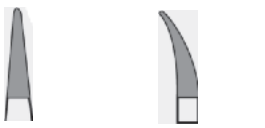
CASTROVIEJO (JACOBSON)

MS 105-525	14,0 cm / 5½"
MS 105-526	18,0 cm / 7"
MS 105-527	22,0 cm / 8¾"



CASTROVIEJO (JACOBSON)

MS 105-528	14,0 cm / 5½"
MS 105-529	18,0 cm / 7"
MS 105-530	22,0 cm / 8¾"



MS 105-550	**MS 105-551**
18,0 cm / 7"	18,0 cm / 7"



BARRAQUER



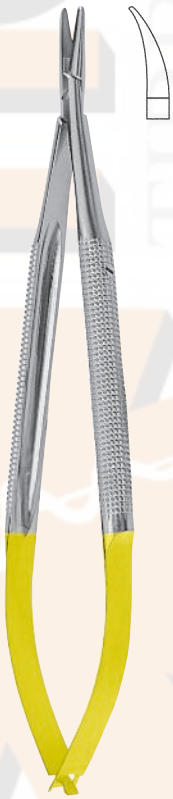
CASTROVIEJO (JACOBSON)

MS 105-531	14,0 cm / 5½"
MS 105-532	18,0 cm / 7"
MS 105-533	22,0 cm / 8¾"



BARRAQUER

MS 105-552	18,0 cm / 7"



BARRAQUER

MS 105-553	14,0 cm / 5½"
MS 105-554	18,0 cm / 7"



BARRAQUER

MS 105-555	18,0 cm / 7"
MS 105-556	21,0 cm / 8¼"



BARRAQUER

MS 105-557	18,0 cm / 7"
MS 105-558	21,0 cm / 8¼"



BARRAQUER

MS 105-559	18,0 cm / 7"
MS 105-560	21,0 cm / 8¼"



BARRAQUER

MS 105-561	14,0 cm / 5½"
MS 105-562	18,0 cm / 7"
MS 105-563	21 0 cm / 8¼"



YASARGIL

MS 105-580	22,5 cm / 9"



YASARGIL

MS 105-581	22,5 cm / 9"



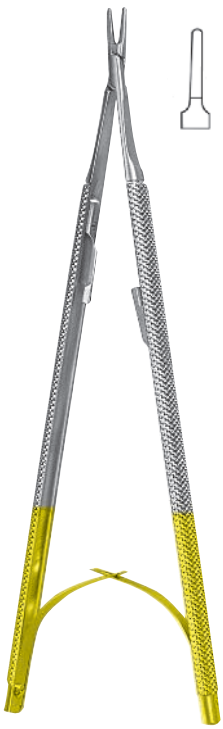
DIETHRICH-RYDER

MS 105-590	16,0 cm / 6¼"
MS 105-591	18,0 cm / 7"
MS 105-592	20,0 cm / 8"
MS 105-593	23,0 cm / 9"
MS 105-594	25,0 cm / 9¾"



DIETHRICH-RYDER

MS 105-610	16,0 cm / 6¼"
MS 105-611	18,0 cm / 7"
MS 105-612	20,0 cm / 8"
MS 105-613	23,0 cm / 9"
MS 105-614	25,0 cm / 9¾"



HEPP-SCHEIDEL

MS 105-620	18,0 cm / 7"



DERF

MS 105-621	12,0 cm / 4¾"



CONVERSE

MS 105-622 12,0 cm / 4¾"



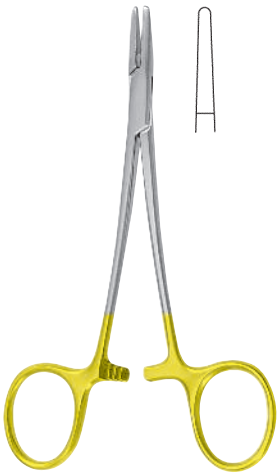
WEBSTER

MS 105-630 11,5 cm / 4½"
MS 105-631 13,0 cm / 5⅛"



WEBSTER

MS 105-632 13,0 cm / 5⅛"



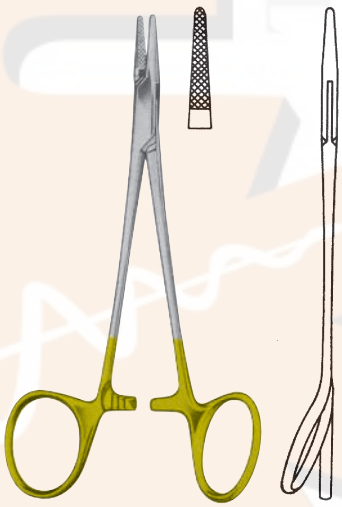
HALSEY

MS 105-640 13,0 cm / 5⅛"



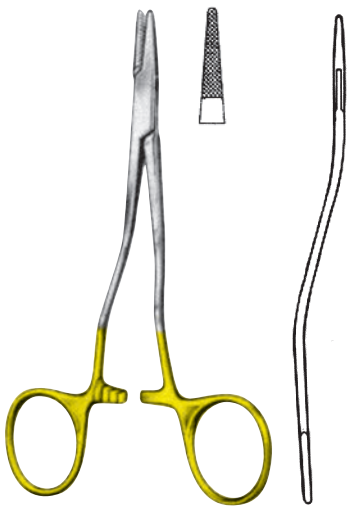
HALSEY

MS 105-641 11,5 cm / 4½"
MS 105-642 13,0 cm / 5⅛"



NEIVERT

MS 105-650 13,0 cm / 5⅛"



KILNER MS

105-651 13,5 cm / 5¼"



BAUMGARTNER

MS 105-660 12,5 cm / 5"
MS 105-661 14,0 cm / 5½"



MAYO-HEGAR



MS 105-670
14,0 cm / 5½"



MS 105-671
16,0 cm / 6¼"



MS 105-672
18,0 cm / 7"



MS 105-673
20,0 cm / 5½"



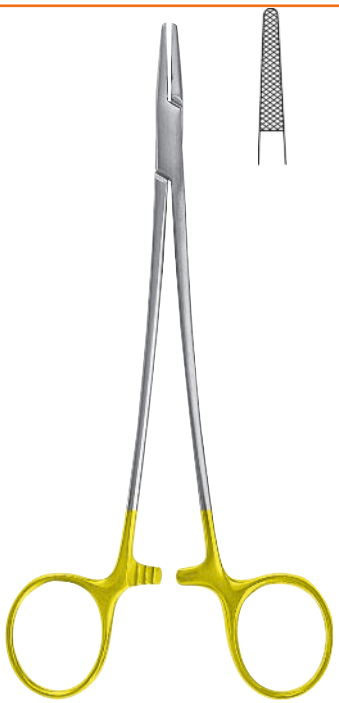
MS 105-674
24,0 cm / 9½"



MS 105-675
26,0 cm / 10¼"

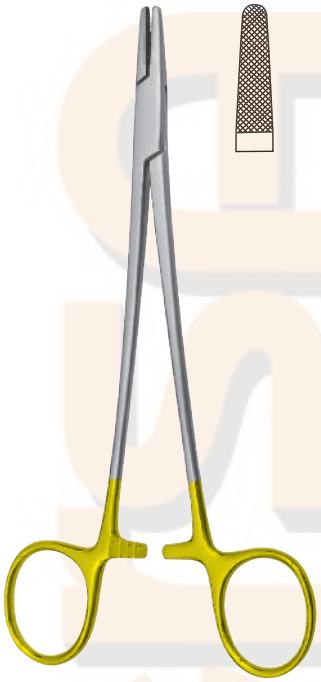


MS 105-676
30,0 cm / 11¾"



MAYO-HEGAR

MS 105-690	18,0 cm / 7"
MS 105-691	20,0 cm / 8"



MAYO-HEGAR

MS 105-692	18,0 cm / 7"



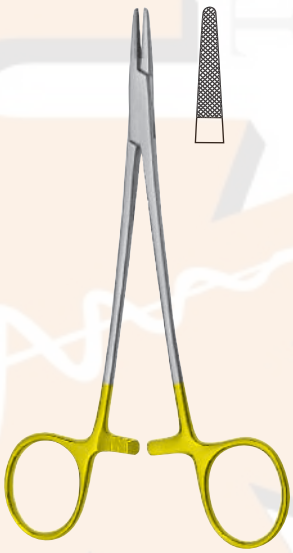
HEGAR

MS 105-693	20,0 cm / 8"
MS 105-694	24,0 cm / 9⅝"



MAYO-HEGAR (HEANEY)

MS 105-695	20,0 cm / 8"
MS 105-696	24,0 cm / 9⅝"
MS 105-697	26,0 cm / 10¼"



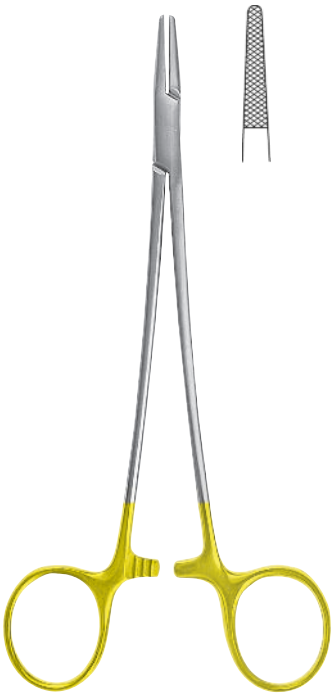
CRILE-WOOD BABY

MS 105-710	15,0 cm / 6"



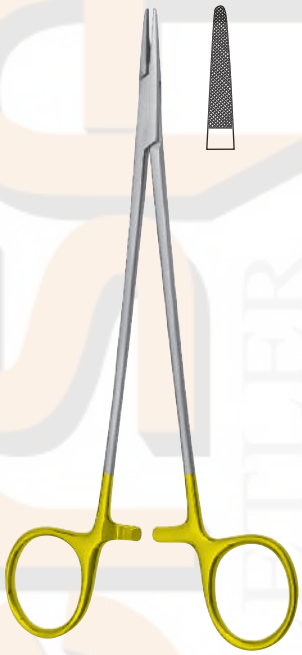
CRILE-WOOD

MS 105-711	15,0 cm / 6"
MS 105-712	18,0 cm / 7"
MS 105-713	20,0 cm / 8"
MS 105-714	23,0 cm / 9"
MS 105-715	26,0 cm / 10¼"



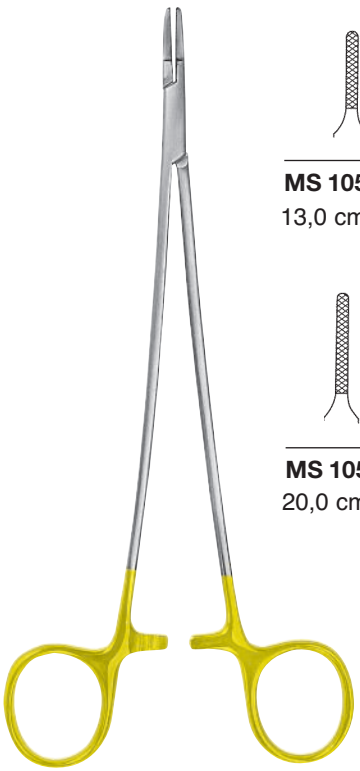
DEBAKEY

MS 105-730	15,0 cm / 6"
MS 105-731	16,5 cm / 6½"
MS 105-732	18,0 cm / 7"
MS 105-733	20,0 cm / 8"
MS 105-734	23,0 cm / 9"
MS 105-735	26,0 cm / 10¼"
MS 105-736	31,0 cm / 12¼"



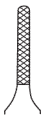
MIKRO-SLIM

MS 105-750	15,0 cm / 6"
MS 105-751	18,0 cm / 7"
MS 105-752	20,0 cm / 8"
MS 105-753	23,0 cm / 9"

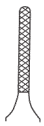


RYDER-FRENCH EYE

MS 105-760
13,0 cm / 5⅛"

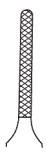


MS 105-761
15,0 cm / 6"



MS 105-762
18,0 cm / 7"

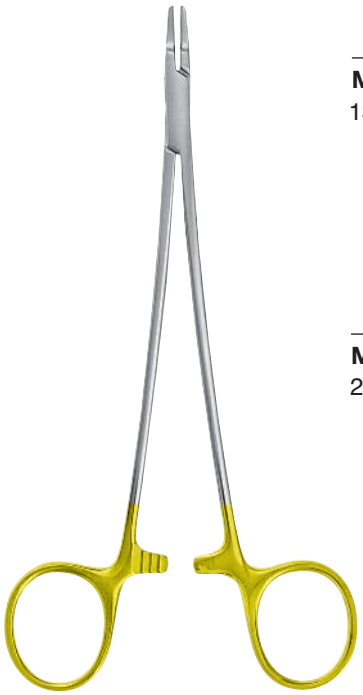
MS 105-763
20,0 cm / 8"



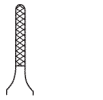
MS 105-764
23,0 cm / 9"



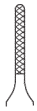
MS 105-765
26,0 cm / 10¼"



RYDER-MINI



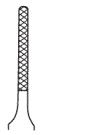
MS 105-780
13,0 cm / 5⅛"



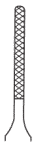
MS 105-781
15,0 cm / 6"



MS 105-782
18,0 cm / 7"



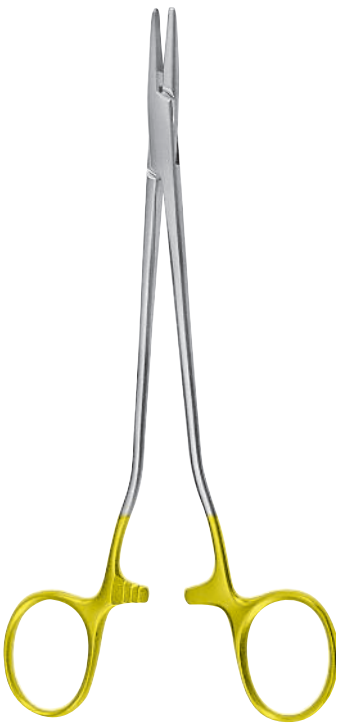
MS 105-783
20,0 cm / 8"



MS 105-784
23,0 cm / 9"



MS 105-785
26,0 cm / 10¼"



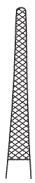
HEGAR-VASCULAR



MS 105-800
14,0 cm /5½"



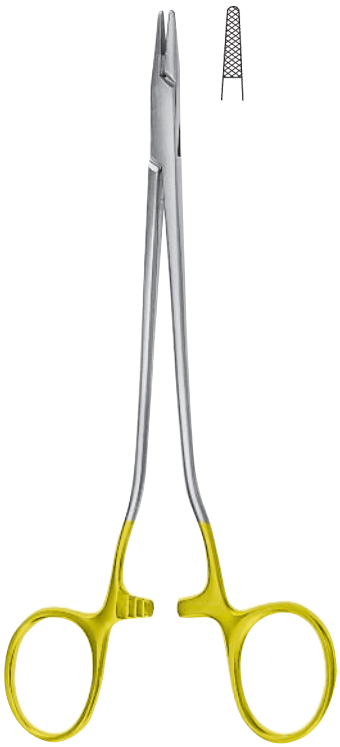
MS 105-801
18,0 cm /7"



MS 105-803
20,0 cm /8"

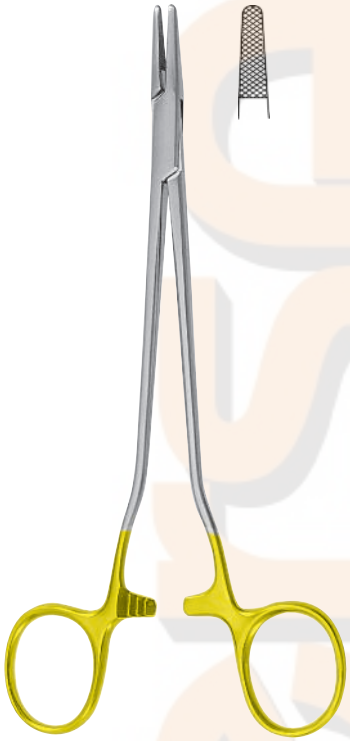


MS 105-804
23,0 cm / 9"



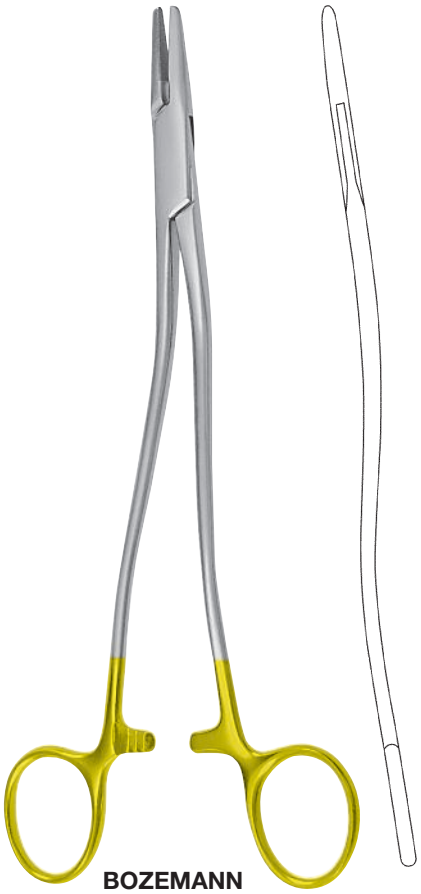
SENNING

MS 105-810	15,0 cm / 6"
MS 105-811	17,0 cm / 6¾"
MS 105-812	20,0 cm / 8"



SAROT

MS 105-820	18,0 cm / 7"
MS 105-821	20,0 cm / 8"
MS 105-822	23,0 cm / 9"
MS 105-823	26,0 cm / 10¼"



BOZEMANN



MS 105-830
20,0 cm / 5½"



MS 105-831
24,0 cm / 9½"



MS 105-832
26,0 cm / 10¼"



MS 105-833
30,0 cm / 11¾"





MS 105-840
21,0 cm / 8¼"



MS 105-841
23,0 cm / 9"

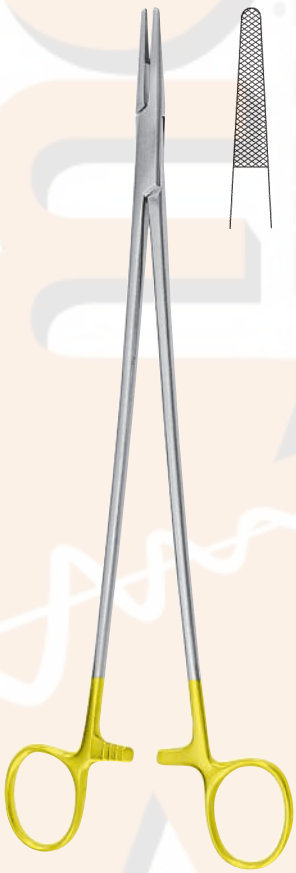
STRATTE



MASSON
MS 105-842 27,0 cm / 10¼"



FINOCHIETTO
MS 105-850 27,0 cm / 10¼"

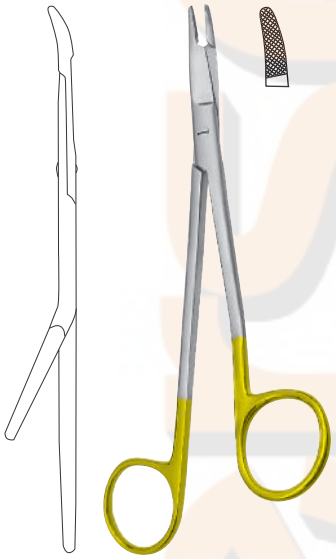


WANGENSTEEN
MS 105-851 28,0 cm / 11"



OLSEN-HEGAR

MS 105-860	11,5 cm / 4½"
MS 105-861	14,0 cm / 5½"
MS 105-862	17,0 cm / 6¾"
MS 105-863	18,5 cm / 7¼"



BABY-GILLIES

MS 105-870	15,0 cm / 6"



GILLIES

MS 105-871	16,0 cm / 6¼"



MATHIEU



MS 105-880
14,0 cm / 5½"



MS 105-881
17,0 cm / 6¾"



MS 105-882
20,0 cm / 8"



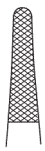
MS 105-883
24,0 cm / 6½"



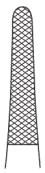
MATHIEU-KOCHER



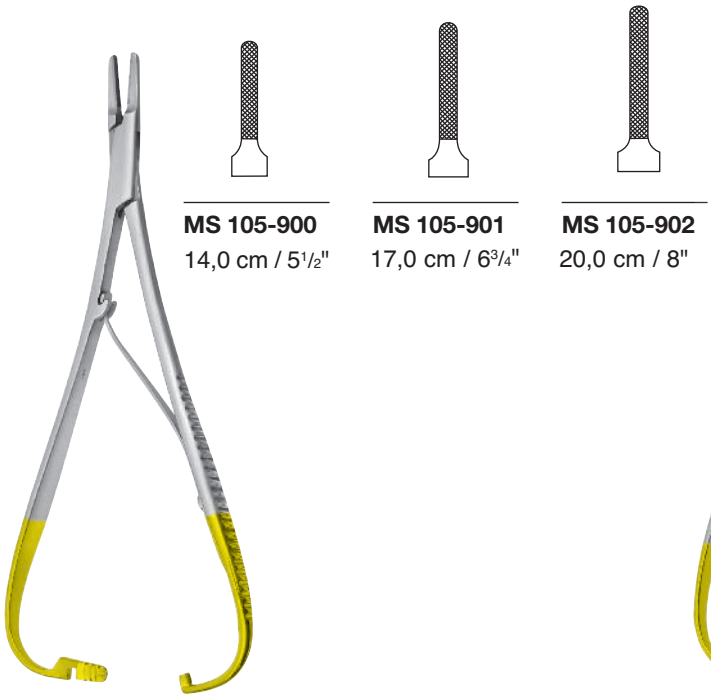
MS 105-890
14,0 cm / 5½"



MS 105-891
17,0 cm / 6¾"



MS 105-892
20,0 cm / 8"

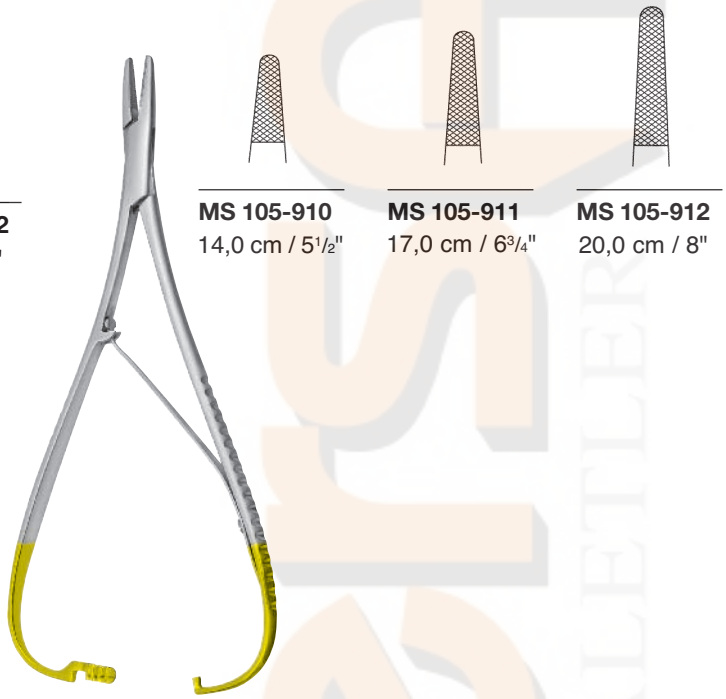


MS 105-900
14,0 cm / 5½"

MS 105-901
17,0 cm / 6¾"

MS 105-902
20,0 cm / 8"

MATHIEU-RYDER



MS 105-910
14,0 cm / 5½"

MS 105-911
17,0 cm / 6¾"

MS 105-912
20,0 cm / 8"

MATHIEU



MS 105-920
16,0 cm / 6¼"

MS 105-921
18,0 cm / 7"

MS 105-922
20,0 cm / 8"

LANGENBECK



CRILE

MS 105-930 15,0 cm / 6"



TOENNIS

MS 105-931 18,0 cm / 7"



LICHTENBERG

MS 105-940 17,0 cm / 6¾"
MS 105-941 20,0 cm / 8"



LICHTENBERG

MS 105-942 17,0 cm / 6¾"



HÖSEL

MS 105-943 20,0 cm / 8"



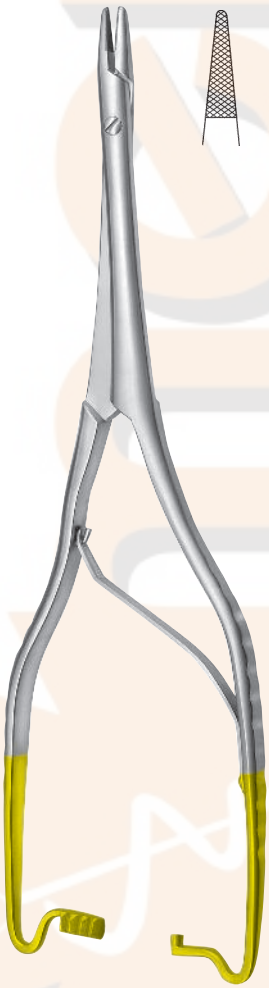
ZWEIFEL



MS 105-944
20,0 cm / 8"



MS 105-945
23,0 cm / 9"

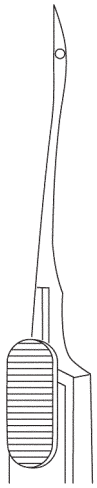


HÖSEL

MS 105-946 26,0 cm / 10¾"



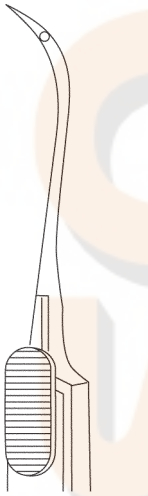
REVERDIN



MS 105-1000
14,0 cm / 5½"



MS 105-1001
14,0 cm / 5½"



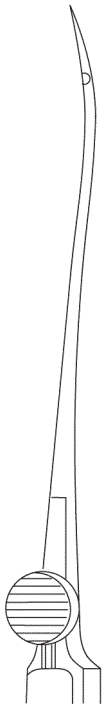
MS 105-1002
14,0 cm / 5½"



MS 105-1003
14,0 cm / 5½"



REVERDIN



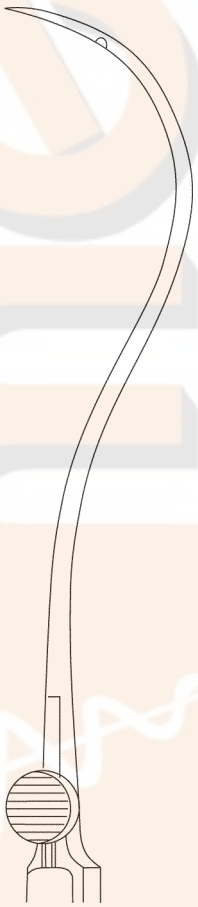
MS 105-1004
MS 105-1008



MS 105-1005
MS 105-1009



MS 105-1006
MS 105-1010



MS 105-1007
MS 105-1011

19,0 cm / 7½"
23,0 cm / 9"



YOUNG

MS 105-1020 24,0 cm / 9½"



Fig. 1

MS 105-1021

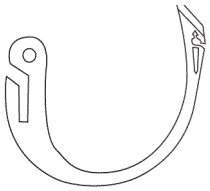


Fig. 2

MS 105-1022

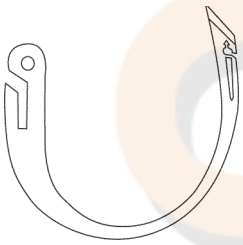


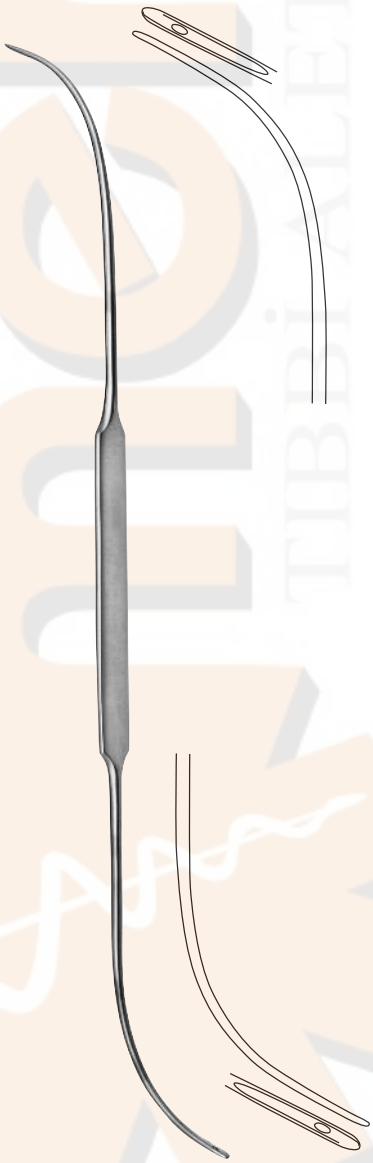
Fig. 3

MS 105-1023



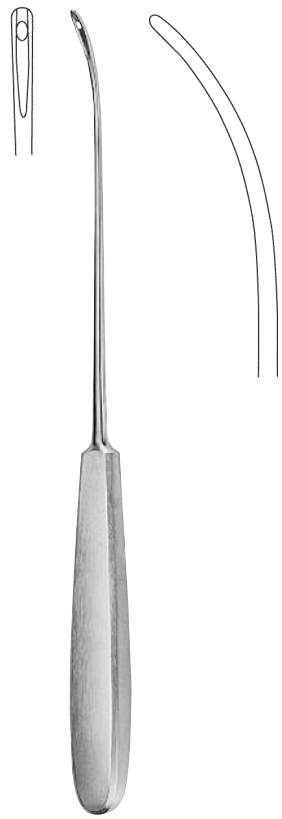
SCHMIEDEN

MS 105-1030 24,0 cm / 9½"

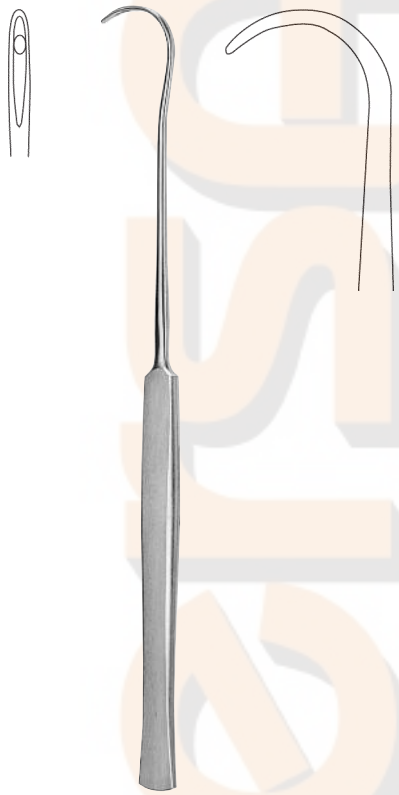


SCHMIEDEN-DICK

MS 105-1031 30,0 cm / 11¾"

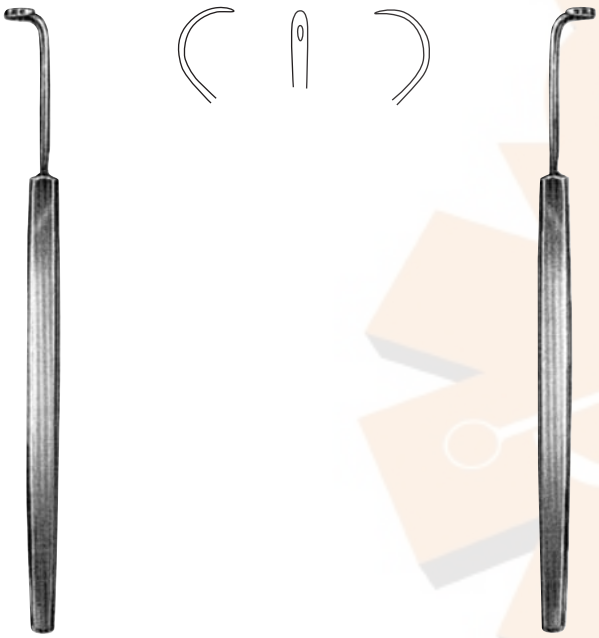


MS 105-1040 20,0 cm / 8"



COOPER

MS 105-1041 19,0 cm / 7½"

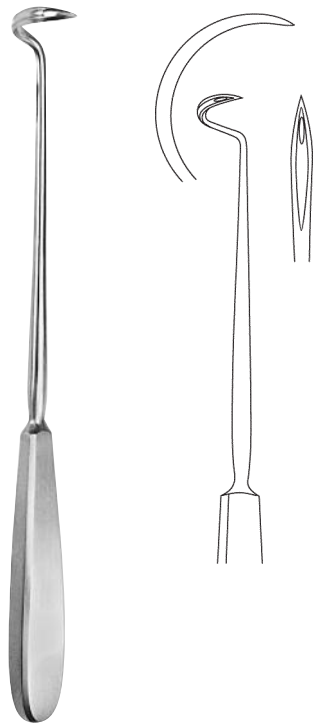


KRONECKER

MS 105-1042 13,0 cm / 5⅛"

KRONECKER

MS 105-1043 13,0 cm / 5⅛"

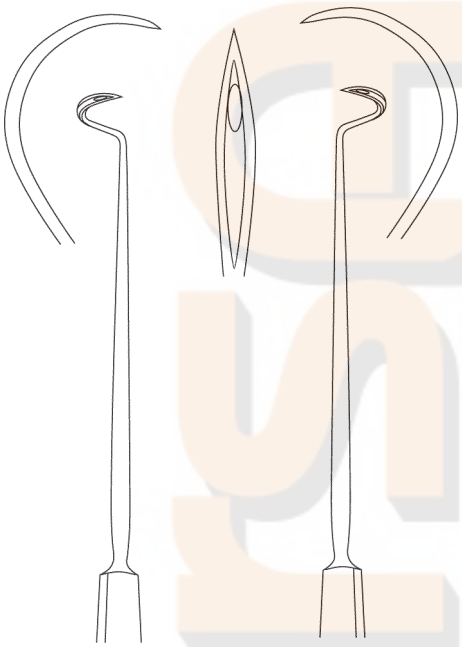


DESCHAMPS

MS 105-1050 20,0 cm / 8"

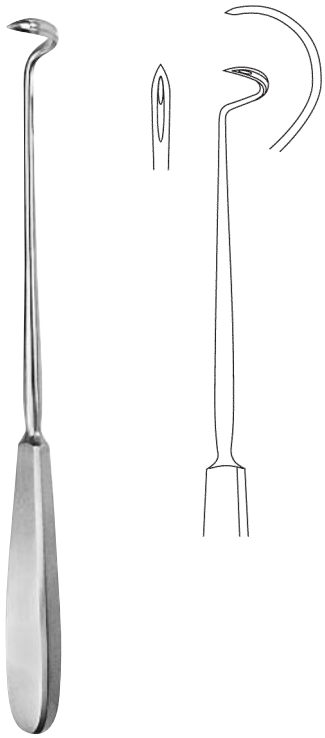


DESCHAMPS



MS 105-1050 21,0 cm / 8¼"
MS 105-1051 27,0 cm / 10¼"

MS 105-1052
MS 105-1053

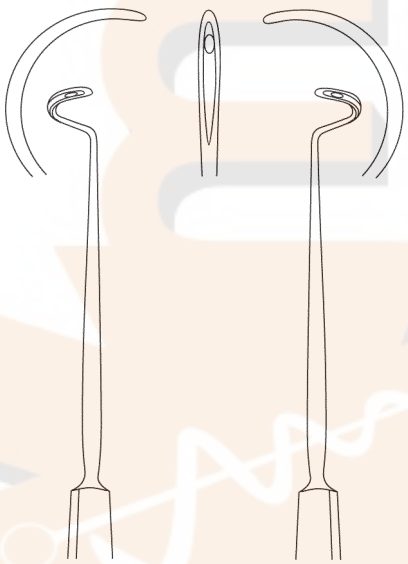


DESCHAMPS

MS 105-1054 20,0 cm/ 8"



DESCHAMPS

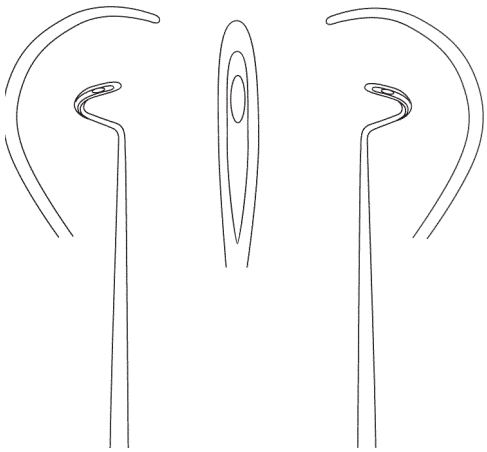


MS 105-1055
20,0 cm / 8"

MS 105-1056
20,0 cm / 8"



DESCHAMPS

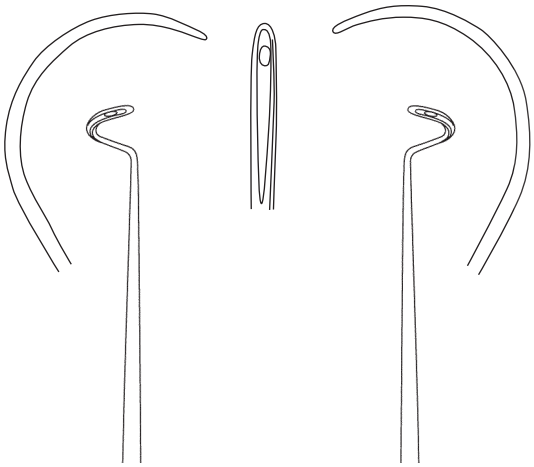


MS 105-1058
MS 105-1059

MS 105-1060 21,0 cm / 8¼"
MS 105-1061 24,0 cm / 9½"

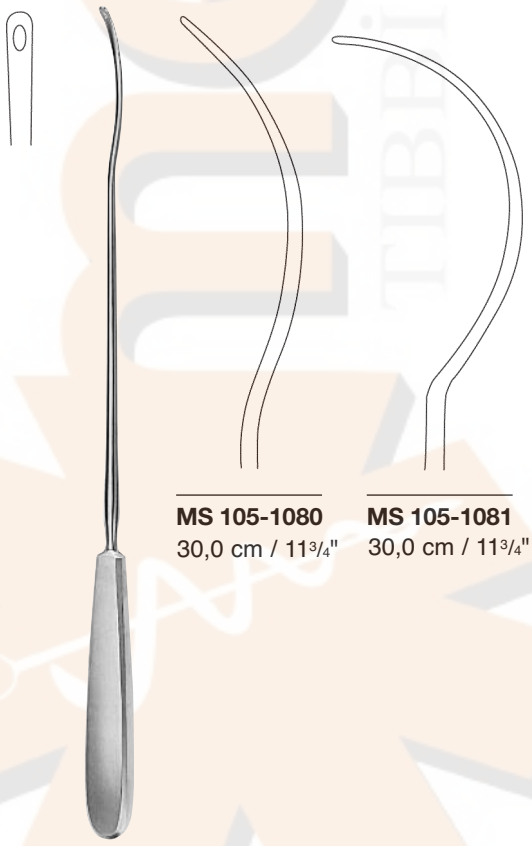


DESCHAMPS



MS 105-1062
MS 105-1063

MS 105-1064 24,0 cm / 9½"
MS 105-1065 28,0 cm / 11"

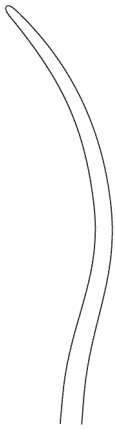


MS 105-1080 30,0 cm / 11¾"
MS 105-1081 30,0 cm / 11¾"

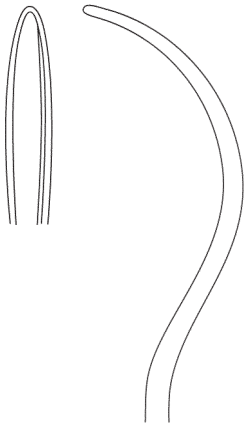
BRUNNER



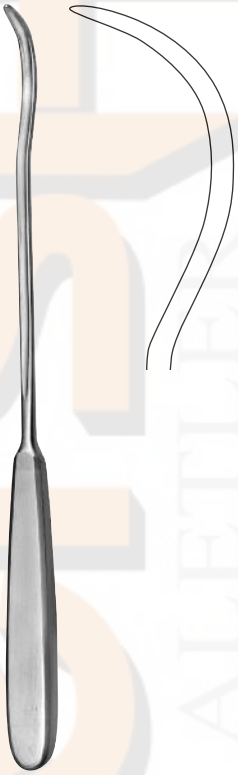
BRUNNER



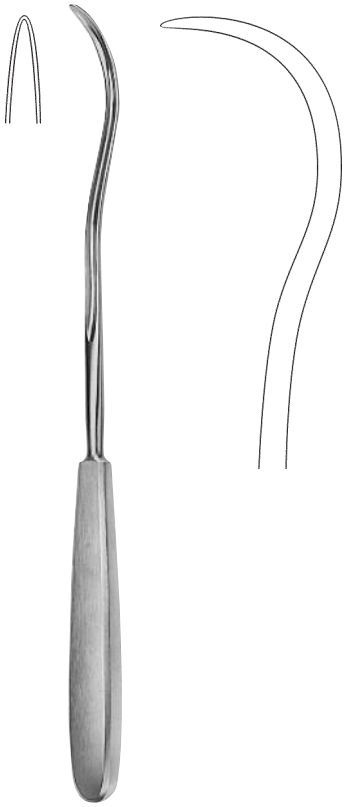
MS 105-1082
30,0 cm / 11¾"



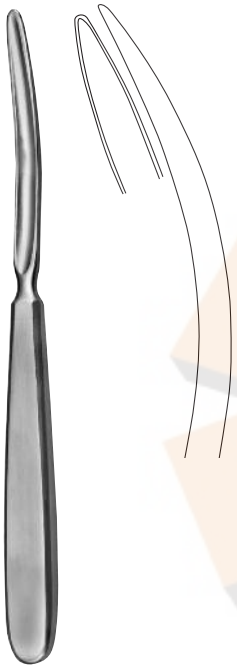
MS 105-1083
30,0 cm / 11¾"



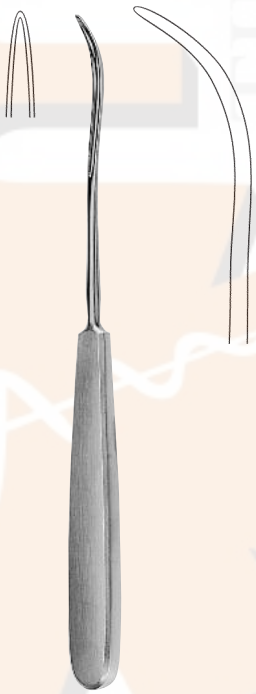
KIRSCHNER
MS 105-1090 25,5 cm / 10"



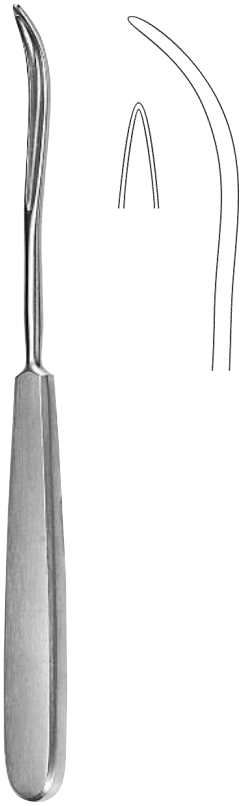
KIRSCHNER
MS 105-1091 28,0 cm / 11"



FRIMED
MS 105-1095 19,5 cm / 7¾"

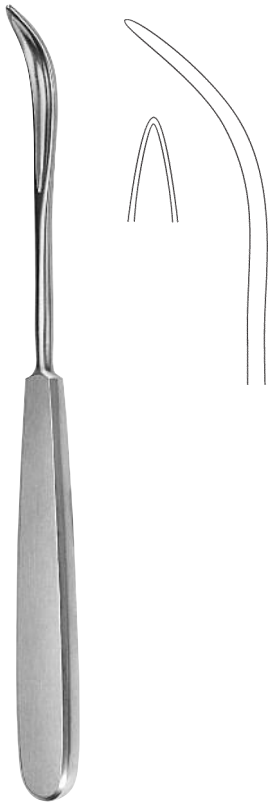


KÖNIG
MS 105-1110 19,5 cm / 7¾"



KÖNIG

MS 105-1111 19,5 cm / 7¾"



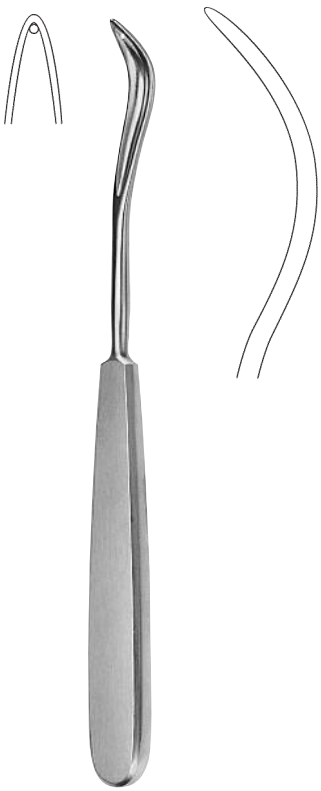
KÖNIG

MS 105-1112 19,5 cm / 7¾"



SCHMIEDEN

MS 105-1120 19,0 cm / 7½"



SCHMIEDEN-PAYR

MS 105-1021 19,0 cm / 7½"



PAYR

MS 105-1030 22,0 cm / 8⅝"



PAYR

MS 105-1031 22,0 cm / 8⅝"



MOD. WIEN

MS 105-1040 23,5 cm / 9¼"



BOZEMANN

MS 105-1041 21,0 cm / 8¼"



FRIMED

MS 105-1042 23,0 cm / 9"



CHILDE

MS 105-1050 18,0 cm / 7"



MICHEL

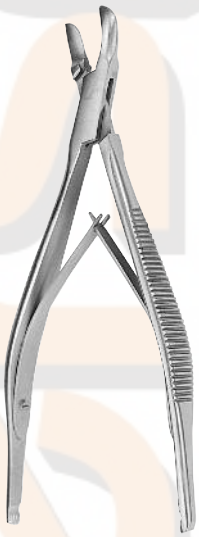
MS 105-1051 12,0 cm / 4¾"



HEGENBARTH
MS 105-1052 12,0 cm / 4¾"



WACHENFELDT
MS 105-1053 12,0 cm / 4¾"



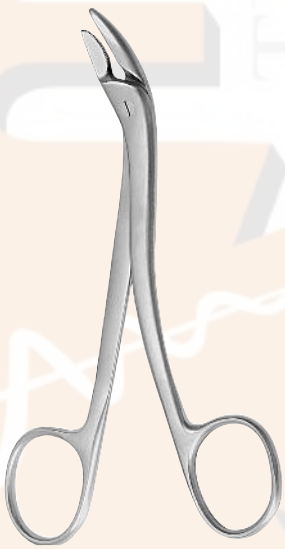
MICHEL
MS 105-1060 12,0 cm / 4¾"



MOD. MICHEL
MS 105-1061 12,0 cm / 4¾"



COLLIN
MS 105-1062 13,0 cm / 5"



RICHTER-HEATH
MS 105-1063 14,0 cm / 5½"



MS 105-1200 150x95x13 mm



MS 105-1201 150x95x13 mm



MS 105-1202 150x95x13 mm

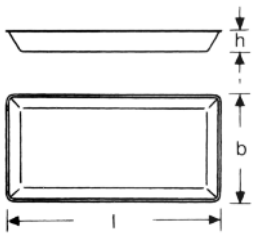


MS 105-1210 150x95x13 mm



MS 105-1211 150x95x13 mm







MS 105-1220 50x25x4,5 mm
MS 105-1221 65x42x8,0 mm
MS 105-1222 75x25x4,5 mm

MS 105-1223 50x25x4,5 mm
MS 105-1224 65x42x8,0 mm
MS 105-1225 75x25x4,5 mm



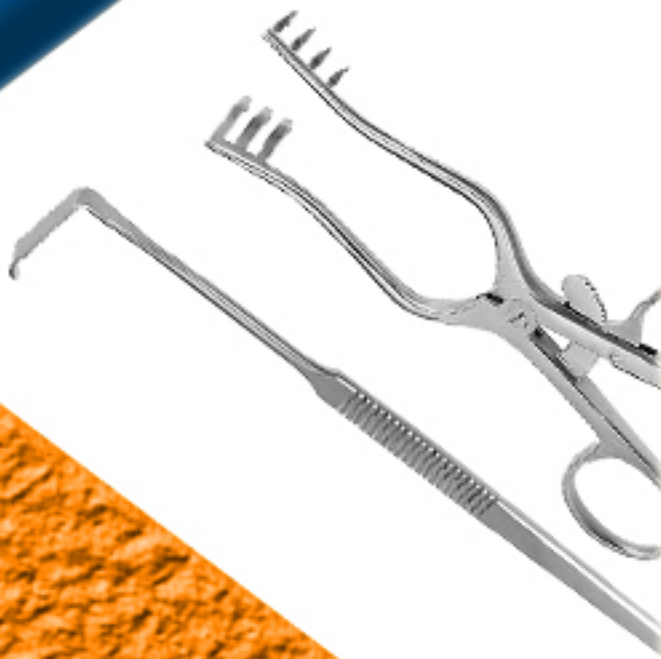


MS 105-1231 Ø 62x13 mm

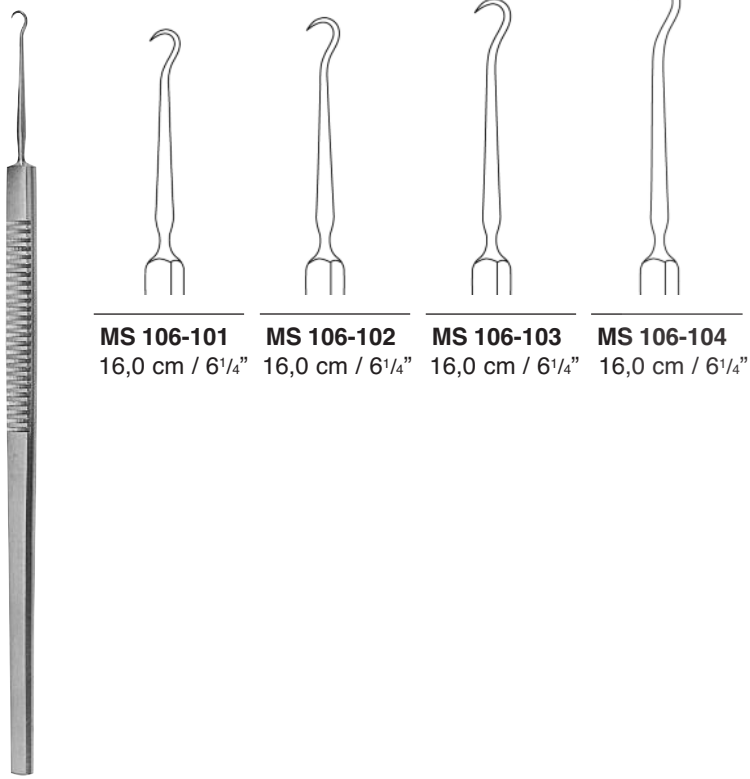
MS 105-1230 Ø 65x15 mm

mersa
TIBBİ ALETLER

106



EKARTÖRLER
RETRACTORS

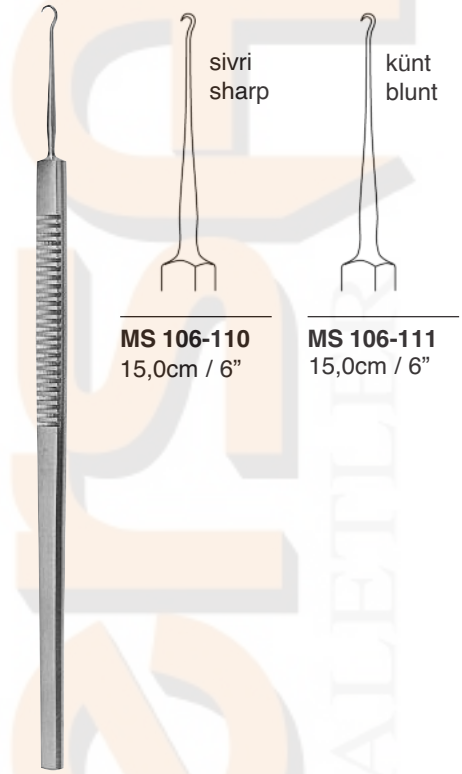


MS 106-101
16,0 cm / 6¼”

MS 106-102
16,0 cm / 6¼”

MS 106-103
16,0 cm / 6¼”

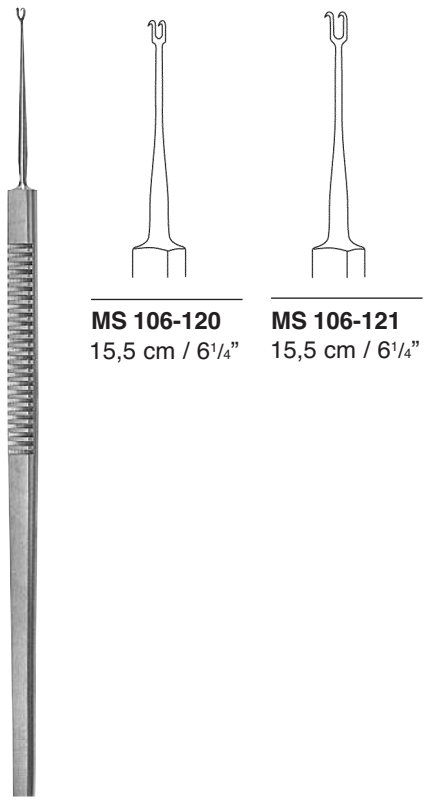
MS 106-104
16,0 cm / 6¼”



GRAEFE

MS 106-110
15,0cm / 6”

MS 106-111
15,0cm / 6”



GUTHRIE

MS 106-120
15,5 cm / 6¼”

MS 106-121
15,5 cm / 6¼”



O`CONNOR

MS 106-122 16,0 cm / 6¼”





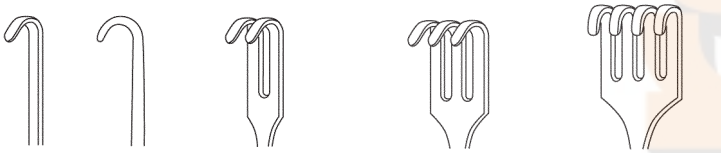
MS 106-130 MS 106-131 MS 106-132 MS 106-133

sivri
sharp
16,0 cm / 6¼”



MS 106-140 MS 106-141 MS 106-142 MS 106-143

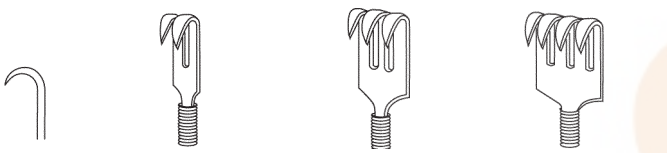
yarı sivri
semi-sharp
16,0 cm / 6¼”



MS 106-150 MS 106-151 MS 106-152 MS 106-153

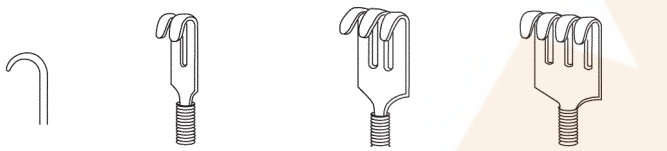
künt
blunt
16,0 cm / 6¼”





MS 106-160 MS 106-161 MS 106-162

sivri
sharp
16,0 cm / 6¼”



MS 106-170 MS 106-171 MS 106-172

künt
blunt
16,0 cm / 6¼”



MS 106-180 Fig.1
13,0 cm / 5”

sivri
sharp



MS 106-181 Fig.2
13,0 cm / 5”

künt
blunt



KNAPP





MS 106-190 8,0 mm



MS 106-191 10,0 mm



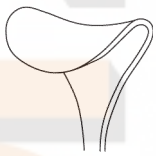
MS 106-192 12,0 mm



MS 106-193 14,0 mm



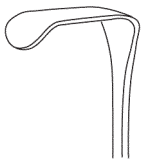
MS 106-194 16,0 mm



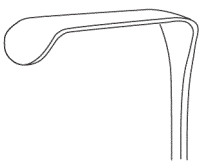
MS 106-195 18,0 mm

DESMARRES
16,0 cm / 6¼”

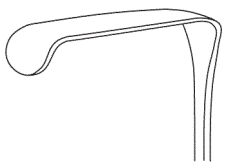




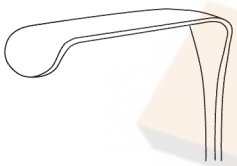
MS 106-200 10x6 mm



MS 106-201 17x5 mm



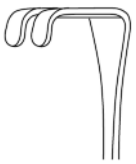
MS 106-202 20x6 mm



MS 106-203 22x8 mm

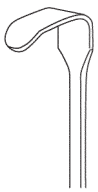
MINI-LANGENBECK
16,0 cm, 6¼”





MS 106-210 14x8 mm
16,0 cm, 6¼”





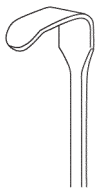
MS 106-211 18x7 mm



MS 106-212 16x5 mm



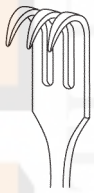
MS 106-213 7x4 mm



MS 106-214 10x3 mm



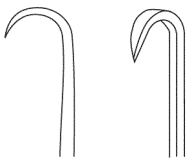
MS 106-215 7x4 mm



MS 106-216 10x4 mm

MEYERDING
16,0 cm / 6¼”





MS 106-230



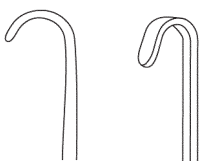
MS 106-231



MS 106-232



MS 106-233



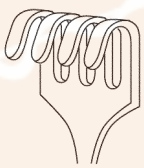
MS 106-240



MS 106-241



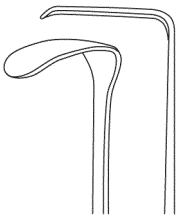
MS 106-242



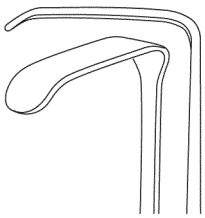
MS 106-243

16,5 cm, 6½”





MS 106-250 16x6 mm



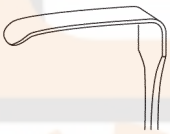
MS 106-251 24x6 mm

LANGENBECK-GREEN
16,0 cm, 6¼”





MS 106-260 10x6 mm

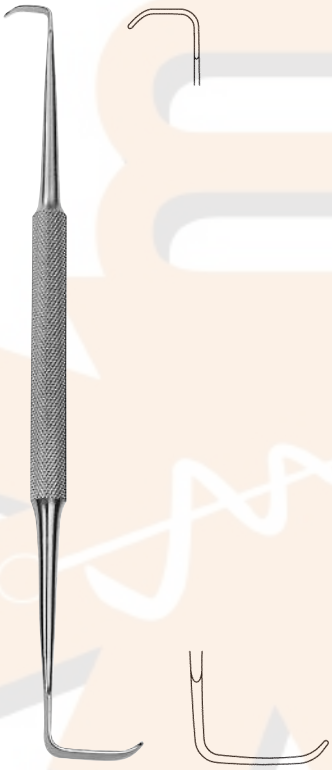


MS 106-261 20x6 mm

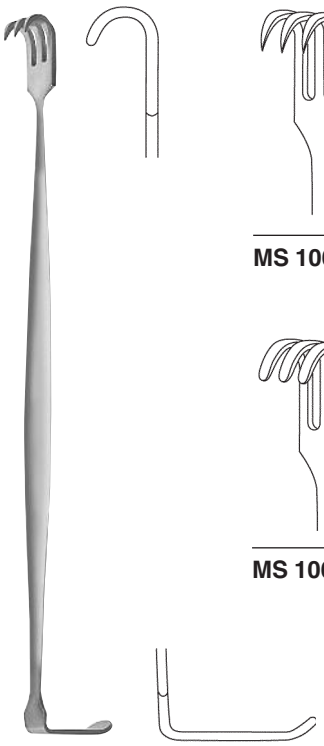
16,0 cm, 6¼”



RAGNELL-DAVIS
MS 106-270 14,0 cm / 5½”



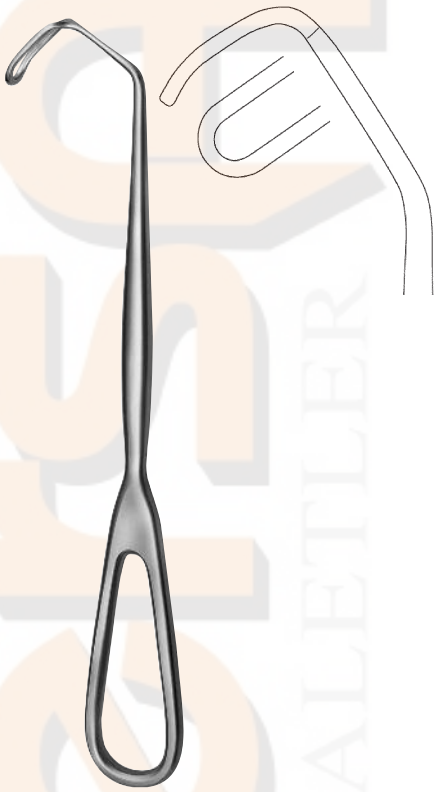
RAGNELL
MS 106-271 15,0 cm / 6”



MS 106-280

MS 106-281

SENN-MILLER
16,0 cm / 6¼”



CUSHING
MS 106-290 20,0 cm / 8”





MS 106-291 8 mm



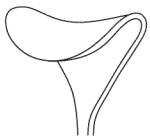
MS 106-292 10 mm



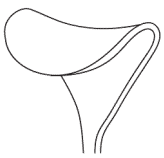
MS 106-293 12 mm



MS 106-294 14 mm



MS 106-295 16 mm



MS 106-296 18 mm

CUSHING
20,0 cm / 8”





MS 106-297 8 mm



MS 106-298 10 mm



MS 106-299 12 mm



MS 106-300 14 mm



MS 106-301 16 mm



MS 106-302 18 mm

CUSHING
24,0 cm / 9½”

flexible





MS 106-320 8 mm



MS 106-321 11 mm



MS 106-322 13 mm



MS 106-323 17 mm

GIL-VERNET
24,0 cm / 9½”

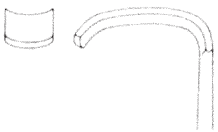


MS 106-324 20 mm



MS 106-325 23 mm





MS 106-340
Fig. 1



MS 106-341
Fig. 2

STRANDELL-STILLE
19,0 cm / 7½”



CUSHING

MS 106-350 21,5 cm / 8½”

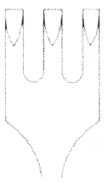




MS 106-360



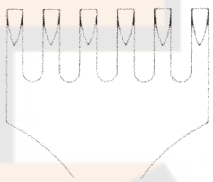
MS 106-361



MS 106-362



MS 106-363



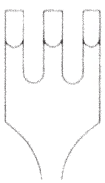
MS 106-364



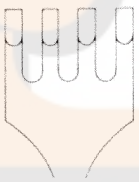
MS 106-370



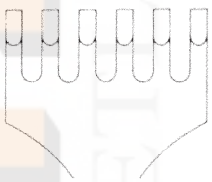
MS 106-371



MS 106-372



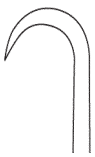
MS 106-373



MS 106-374

VOLKMANN
21,5 cm / 8½”



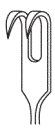




MS 106-380



MS 106-383 9x19 mm



MS 106-381 9x8 mm



MS 106-384 9x29 mm



MS 106-382 9x13 mm

VOLKMANN
22,0 cm / 8½”



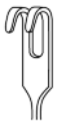
VOLKMANN
22,0 cm / 8¾”



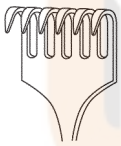
MS 106-400



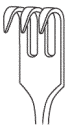
MS 106-403 9x19 mm



MS 106-401 9x8 mm



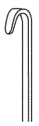
MS 106-404 9x29 mm



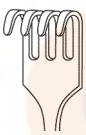
MS 106-402 9x13 mm



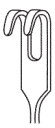
VOLKMANN
22,0 cm / 8¾”



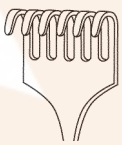
MS 106-410



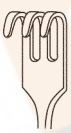
MS 106-413 9x19 mm



MS 106-411 9x8 mm



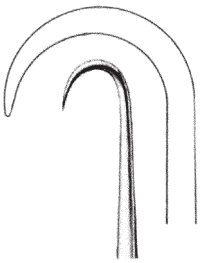
MS 106-414 9x29 mm



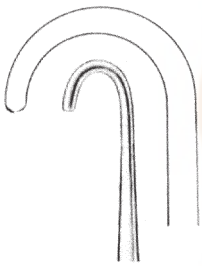
MS 106-412 9x13 mm



VOLKMANN
21,5 cm / 8½”



MS 106-420



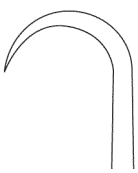
MS 106-421



MS 106-422



KOCHER
22 0 cm / 8⅝”

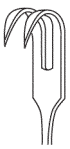




MS 106-430



MS 106-433 15x20 mm



MS 106-431 9x8 mm



MS 106-434 15x30 mm



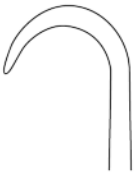
MS 106-432 15x15 mm



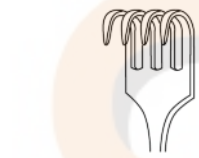
MS 106-435 15x40 mm



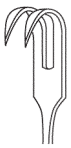
KOCHER
22,0 cm / 8⅝”



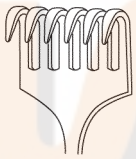
MS 106-440



MS 106-443 15x20 mm



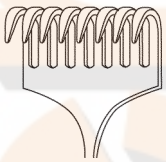
MS 106-441 9x8 mm



MS 106-444 15x30 mm



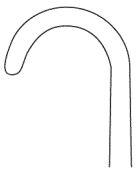
MS 106-442 15x15 mm



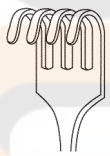
MS 106-445 15x40 mm



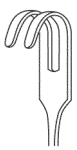
KOCHER
22,0 cm / 8⅝”



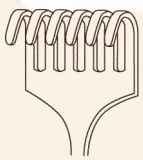
MS 106-450



MS 106-453 15x20 mm



MS 106-451 9x8 mm



MS 106-454 15x30 mm



MS 106-452 15x15 mm



MS 106-455 15x40 mm



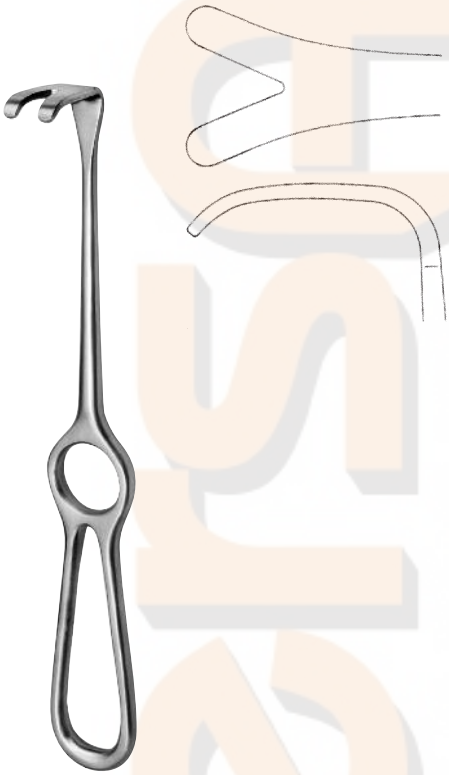
OLLIER

MS 106-460 23,0 cm / 9” 36x60 mm



OLLIER

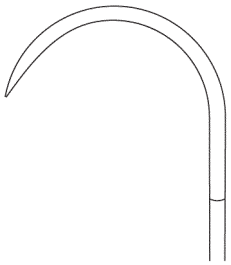
MS 106-461 23,0 cm / 9” 36x30 mm



WASSMUND

MS 106-470 20,5 cm / 8” 33x21 mm





KOERTE

MS 106-480 24,0 cm / 9½”



künt
blunt

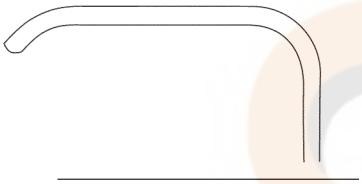
KOERTE

MS 106-481 24,0 cm / 9½”



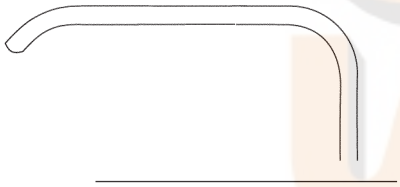
künt
blunt

ISRAEL
25,0 cm / 9¾”



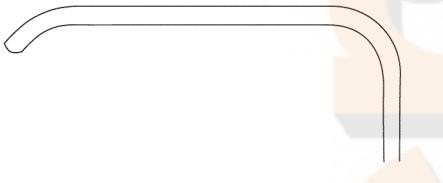
4 diş
4 teeth

MS 106-490 40x40 mm



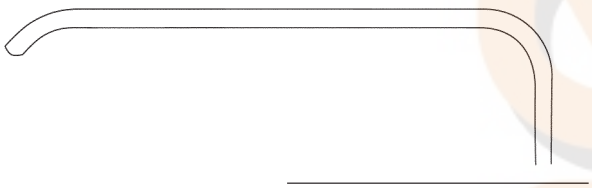
5 diş
5 teeth

MS 106-491 45x50 mm



6 diş
6 teeth

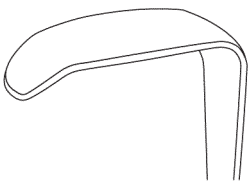
MS 106-492 50x60 mm



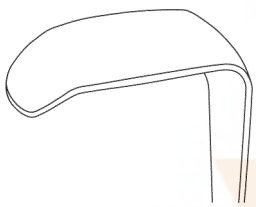
6 diş
6 teeth

MS 106-493 70x70 mm

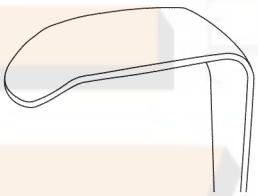




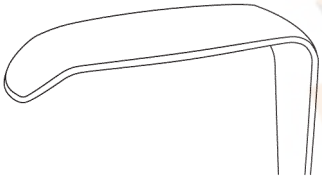
MS 106-500 30x11 mm



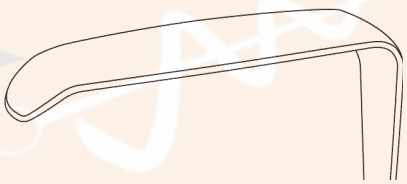
MS 106-501 30x14 mm



MS 106-502 30x16 mm



MS 106-503 40x11 mm

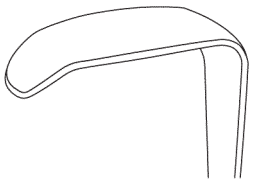


MS 106-504 50x11 mm

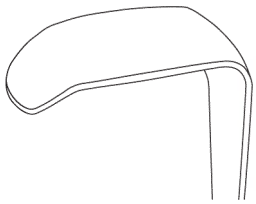
LANGENBECK
22,5 cm / 9”



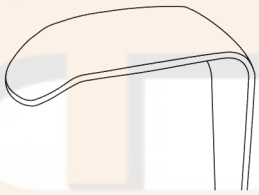
LANGENBECK
22,0 cm / 8⅝”



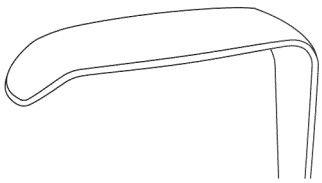
MS 106-510 30x11 mm



MS 106-511 30x14 mm



MS 106-512 30x16 mm



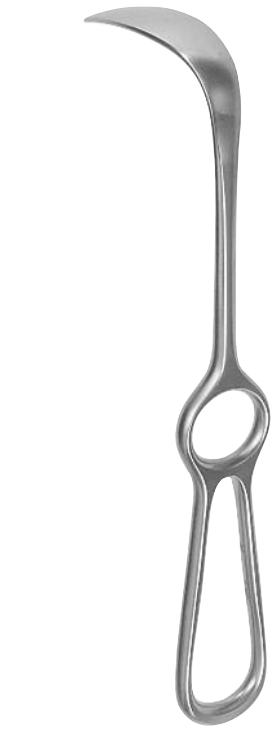
MS 106-513 40x11 mm



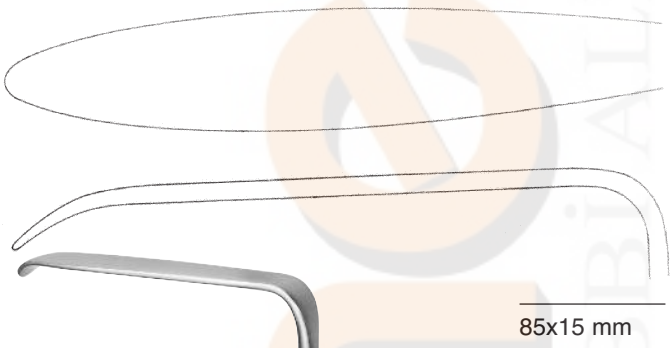
MS 106-514 50x11 mm



60x20 mm



LANGENBECK
MS 106-520 21,0 cm / 8¼”



85x15 mm



LANGENBECK
MS 106-521 22,5 cm / 9”



LAHEY

MS 106-522 19,0 cm / 7½”

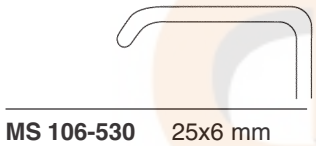


LITTLE

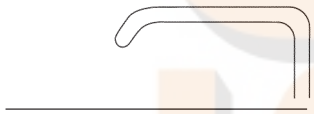
MS 106-523 20,0 cm / 8”



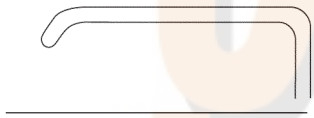
KOCHER-LANGENBECK
21,5 cm / 8½”



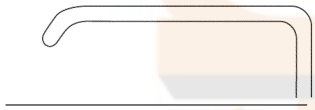
MS 106-530 25x6 mm



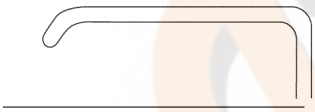
MS 106-531 30x11 mm



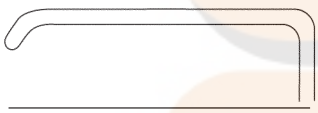
MS 106-532 35x8 mm



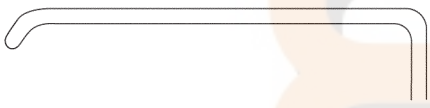
MS 106-533 35x11 mm



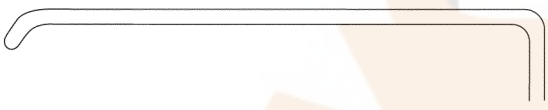
MS 106-534 35x15 mm



MS 106-535 40x11 mm



MS 106-536 55x11 mm



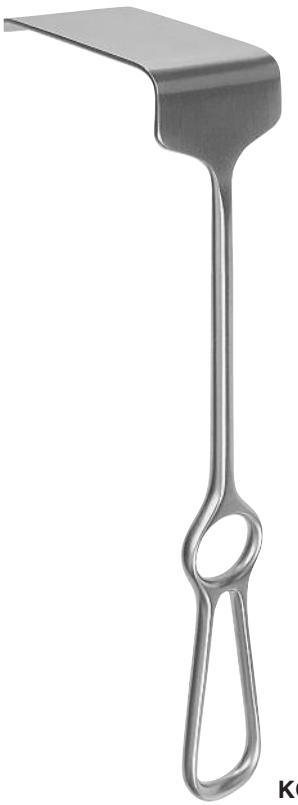
MS 106-537 70x15 mm



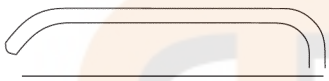
MS 106-538 80x12 mm



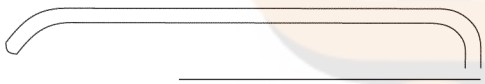
MS 106-539 80x15 mm



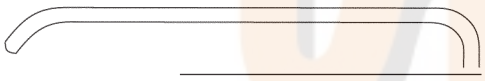
KOCHER
23,0 cm / 9”



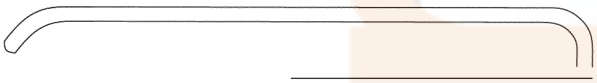
MS 106-550 40x18 mm



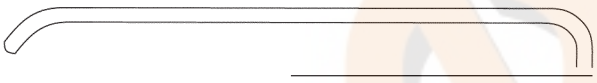
MS 106-551 60x20 mm



MS 106-552 60x25 mm



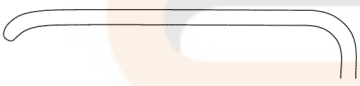
MS 106-553 75x30 mm



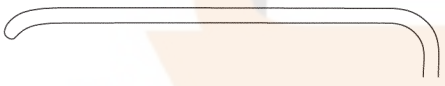
MS 106-554 75x40 mm



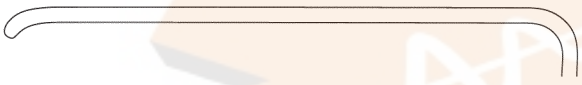
SAUERBRUCH
22,5 cm / 8¾”



MS 106-560 50x15 mm



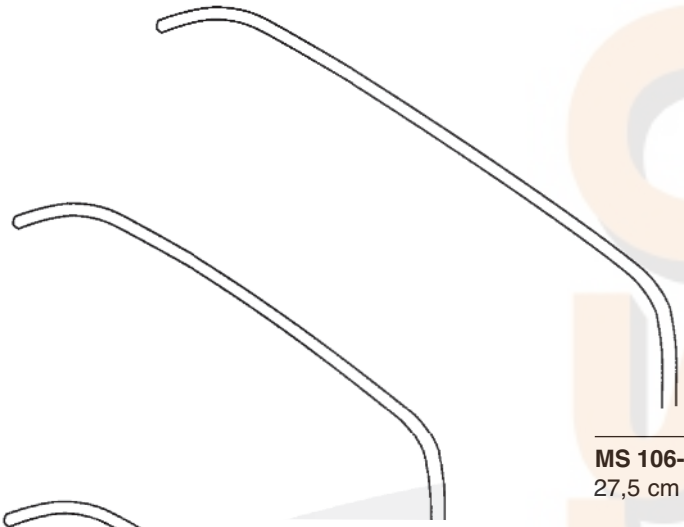
MS 106-561 63x23 mm



MS 106-562 80x20 mm



ZENKER



MS 106-572
27,5 cm / 10¾”

MS 106-571
26,0 cm / 10”

MS 106-570
25,0 cm / 9¾”



KOCHER

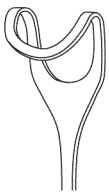
MS 106-580	19,0 cm / 7½”	19 x 12 mm
MS 106-581	19,0 cm / 7½”	21 x 14 mm



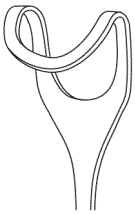
KOCHER

MS 106-582	42x10 mm
MS 106-583	42x15 mm
MS 106-584	43x20 mm

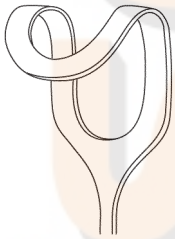




MS 106-600 18x17 mm
21,5 cm / 8½”



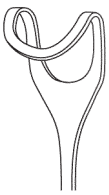
MS 106-601 25x22 mm
23,0 cm / 9”



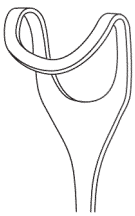
MS 106-602 31x30 mm
24,5 cm / 9⅔”

MIDDELDORPF

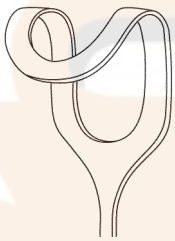




MS 106-603 14x17 mm
21,5 cm / 8½”



MS 106-604 20x22 mm
22 cm / 8⅝”



MS 106-605 26x30 mm
23,5 cm / 9½”

MIDDELDORPF

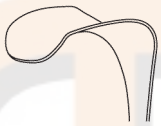


RICHARDSON-EASTMAN

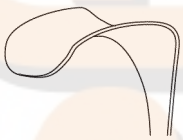
MS 106-610	Fig. 1+2	27,0 cm / 10¾”
MS 106-611	Fig. 1	26,0 cm / 10¼”
MS 106-612	Fig. 2	27,0 cm / 10¾”



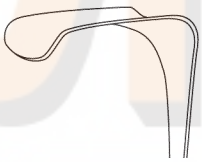
RICHARDSON
24,0 cm / 9½”



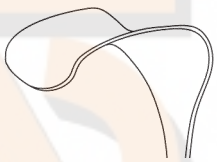
MS 106-620 30x21 mm



MS 106-621 37x29 mm

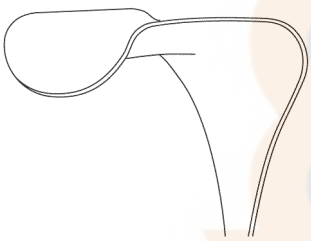


MS 106-622 45x40 mm



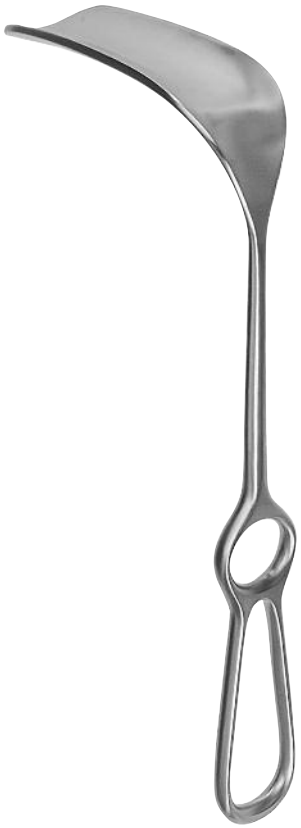
MS 106-623 53x22 mm



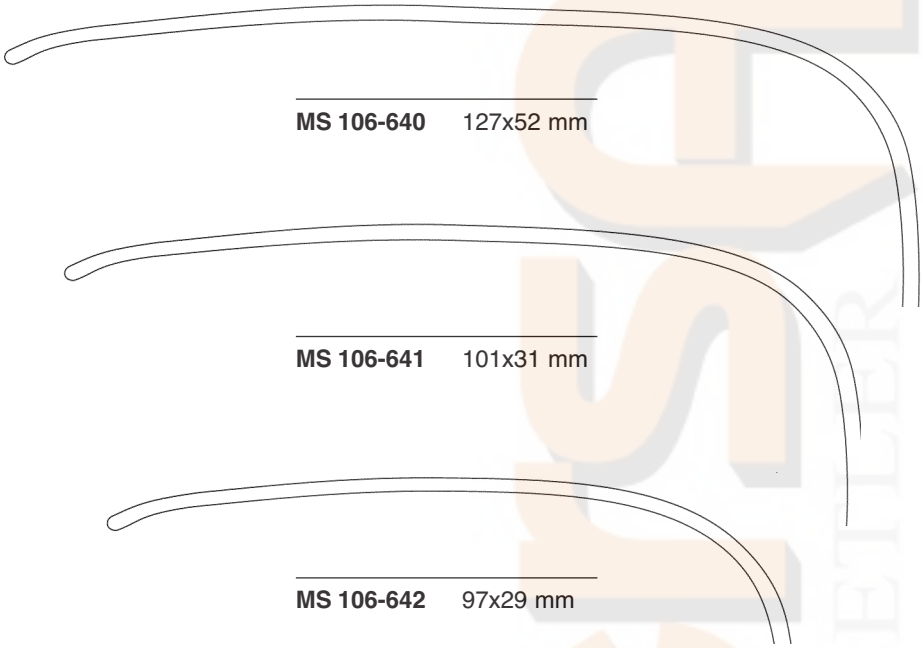


KELLY

MS 106-630	26,0 cm / 10¼”	70 x 50 mm



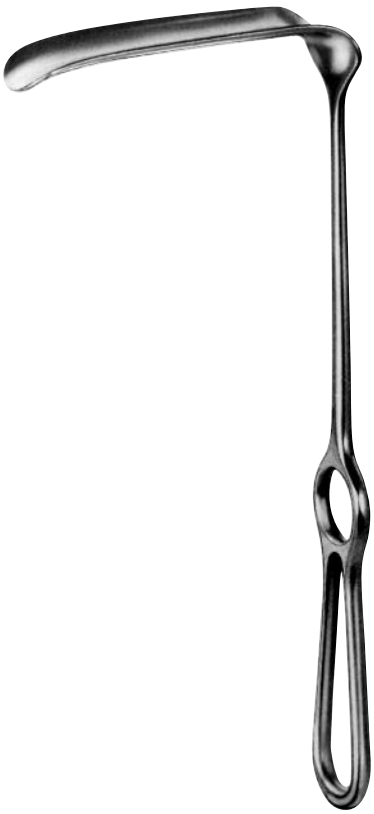
DOYEN-STILLE
26,0 cm / 10¼”



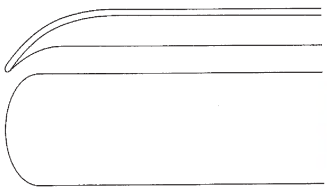
MS 106-640 127x52 mm

MS 106-641 101x31 mm

MS 106-642 97x29 mm



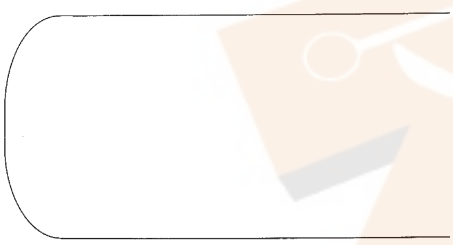
HÖSEL
26,0 cm / 10¼”



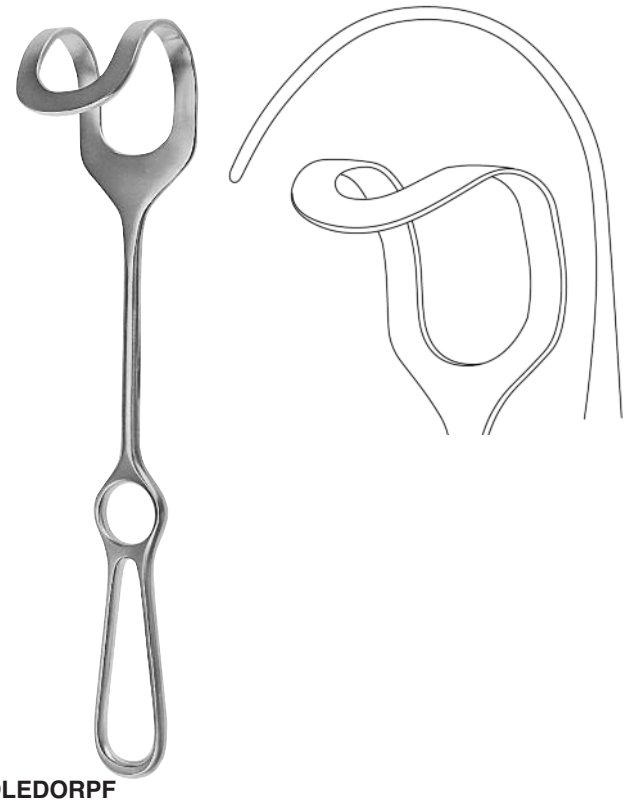
MS 106-650 63x21 mm



MS 106-651 83x30 mm
MS 106-652 103x30 mm
MS 106-653 120x30 mm
MS 106-654 140x30 mm



MS 106-655 140x40 mm



MIDDLEDORPF

MS 106-670	27,0 cm / 10¾”	48x45 mm
MS 106-671	27,0 cm / 10¾”	52x50 mm
MS 106-672	28,0 cm / 11”	60x70 mm



FRITSCH

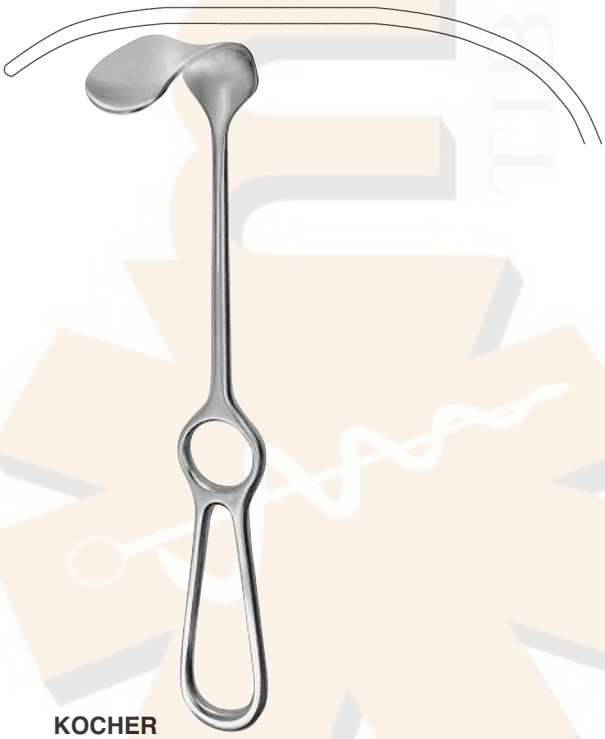
MS 106-680	23,5 cm / 9¼”	30x30 mm
MS 106-681	24,0 cm / 9½”	32x40 mm
MS 106-682	25,0 cm / 9¾”	40x50 mm
MS 106-683	25,0 cm / 9¾”	40x60 mm
MS 106-684	25,5 cm / 10”	45x75 mm
MS 106-685	26,5 cm / 10½”	65x85 mm

50x85 mm



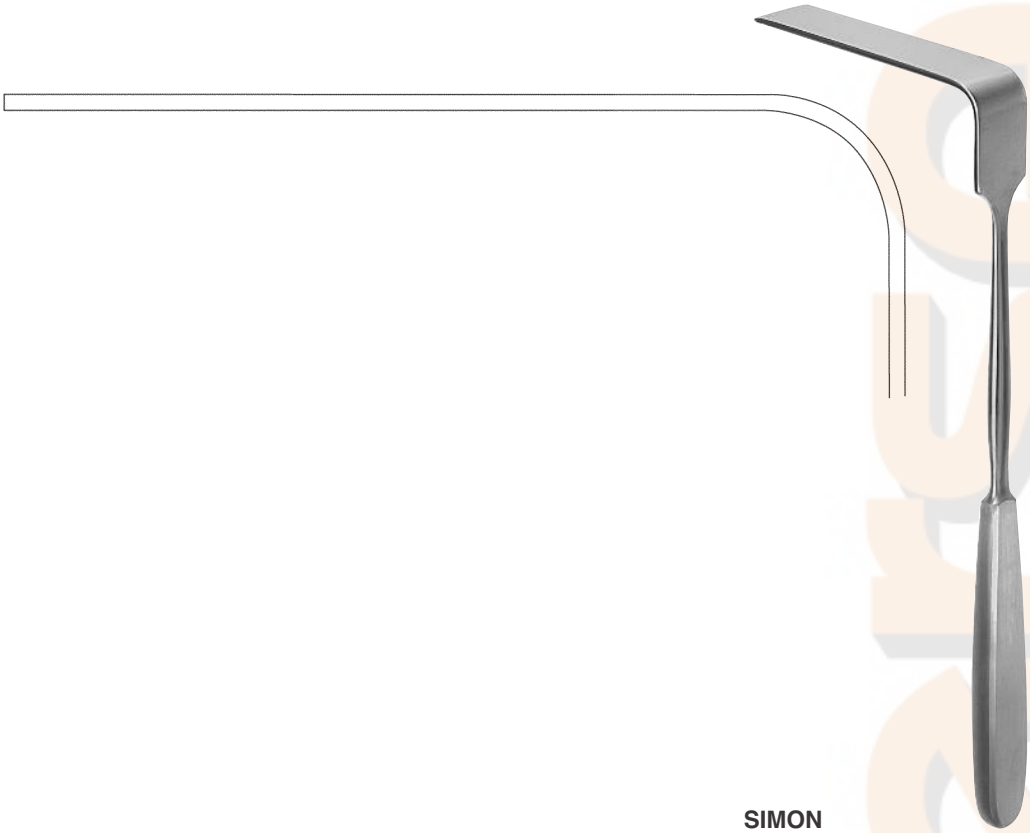
DOYEN

MS 106-700	25,0 cm / 10”	



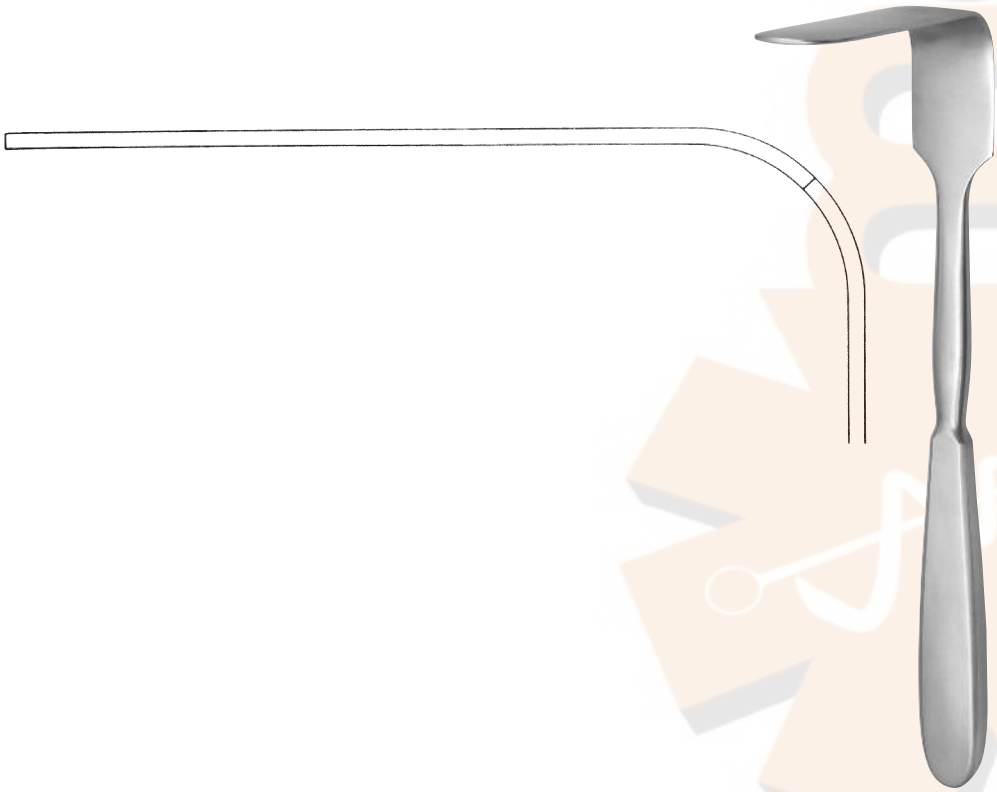
KOCHER

MS 106-710	25,0 cm / 10”	70x25 mm
MS 106-711	25,0 cm / 10”	80x45 mm
MS 106-712	25,0 cm / 10”	80x55 mm
MS 106-713	25,0 cm / 10”	80x65 mm



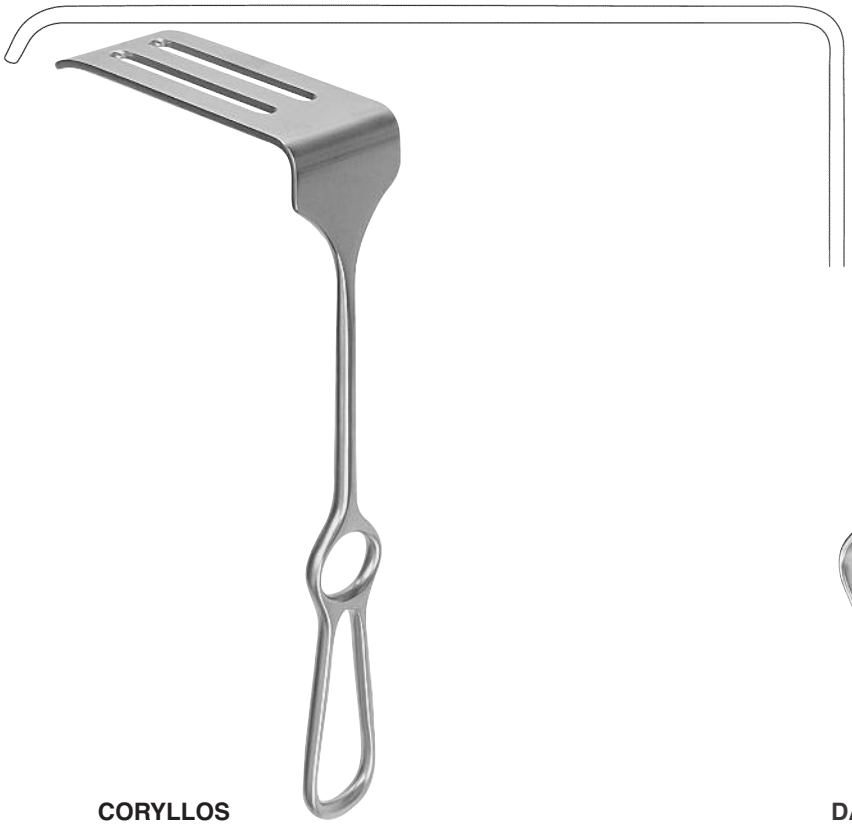
SIMON

MS 106-720	28,0 cm / 11”	115x22 mm
MS 106-721	28,0 cm / 11”	115x27 mm



MARTIN

MS 106-722	26,0 cm / 10”	110 x 27 mm



CORYLLOS

MS 106-730	24,0 cm / 9½”	85x22 mm
MS 106-731	24,0 cm / 9¾”	108x43 mm
MS 106-732	24,0 cm / 9¾”	119x65 mm



DAVIDSON

MS 106-740	19,0 cm / 6¼”	80x54 mm
MS 106-741	18,5 cm / 6¼”	80x95 mm

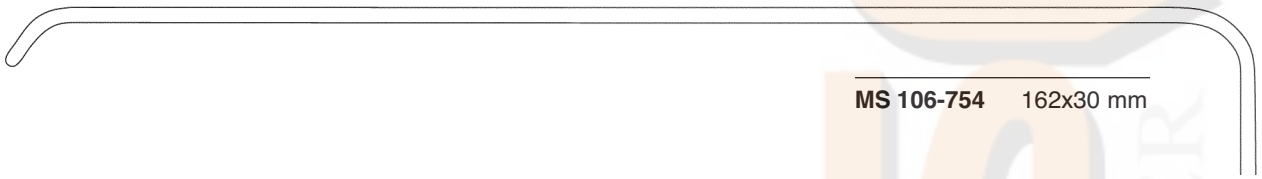


SAUERBRUCH

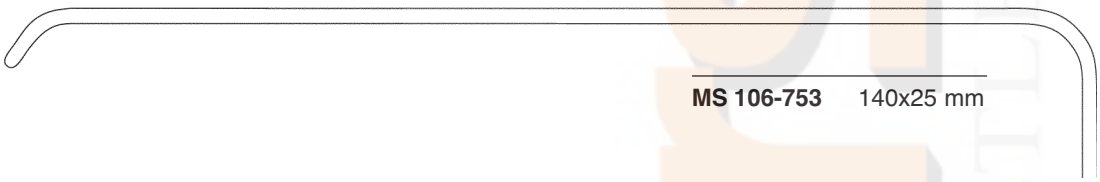
MS 106-742	25,5 cm /10”	127x38 mm



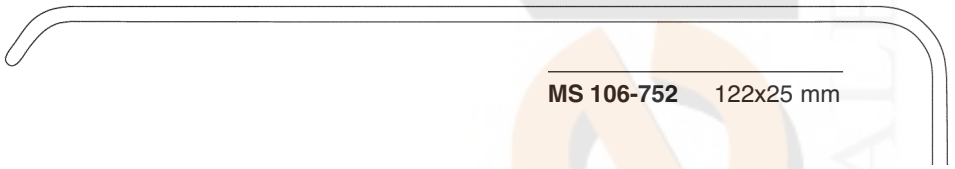
MS 106-755 182x30 mm



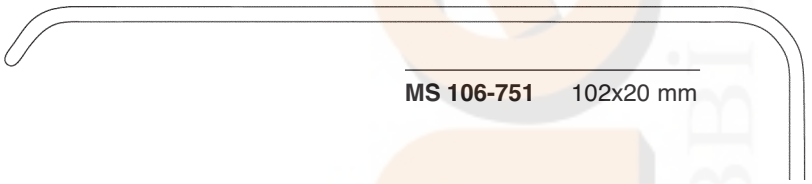
MS 106-754 162x30 mm



MS 106-753 140x25 mm



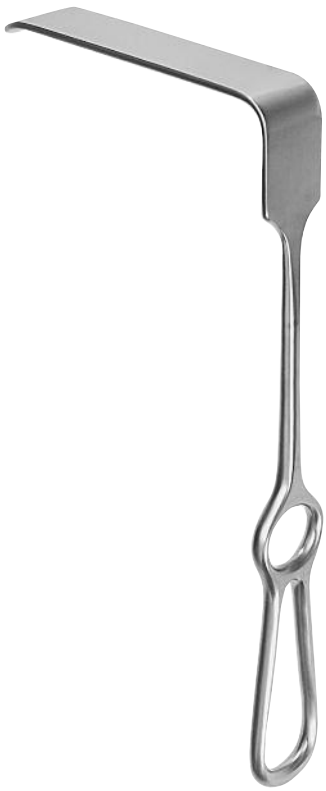
MS 106-752 122x25 mm



MS 106-751 102x20 mm



MS 106-750 82x20 mm



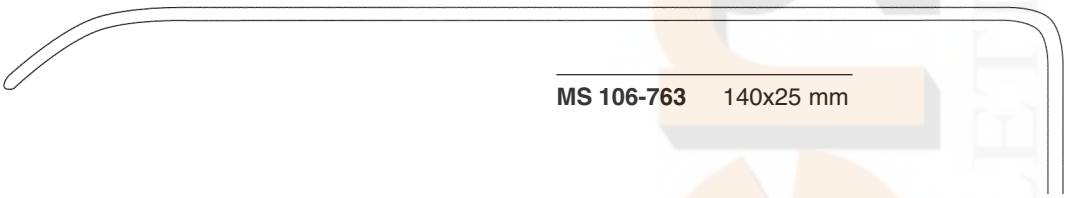
BRUNNER
25,0 cm / 9¾”



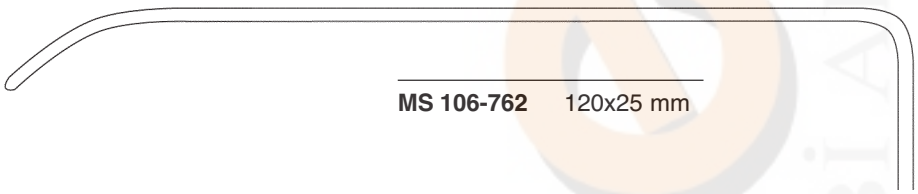
MS 106-765 180x30 mm



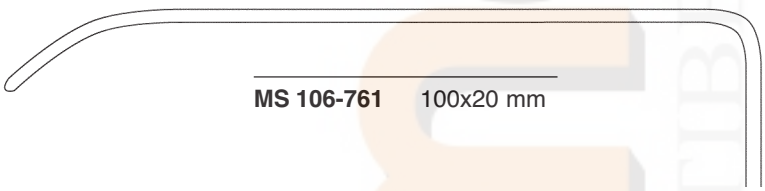
MS 106-764 160x30 mm



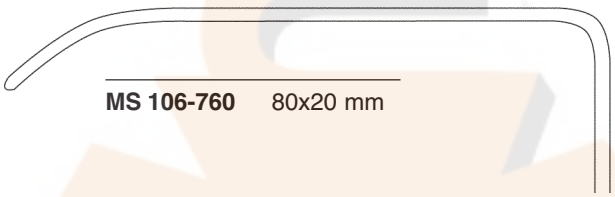
MS 106-763 140x25 mm



MS 106-762 120x25 mm



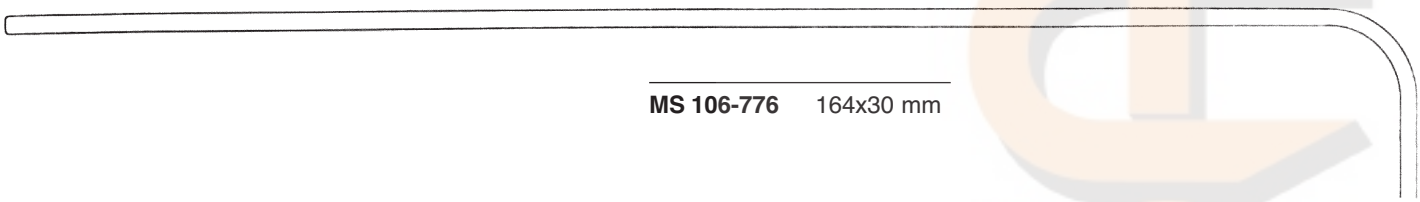
MS 106-761 100x20 mm



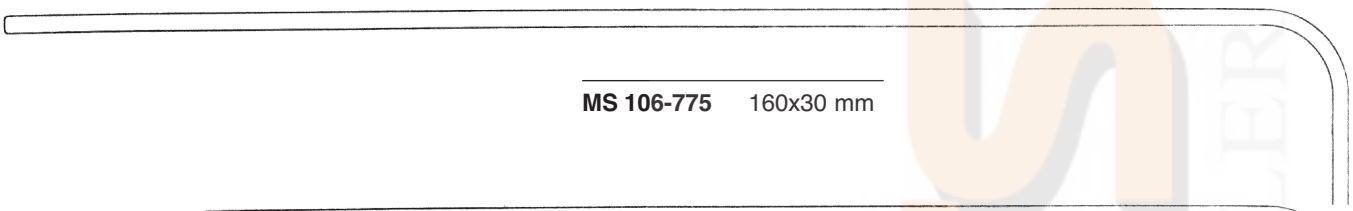
MS 106-760 80x20 mm



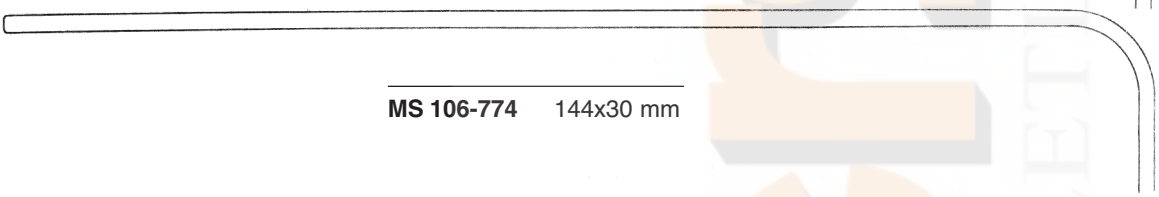
BRUNNER
25,0 cm / 9¾”



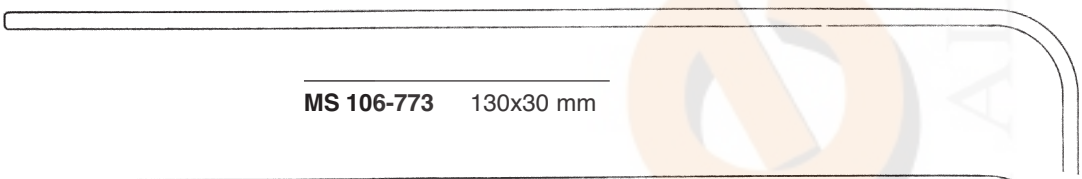
MS 106-776 164x30 mm



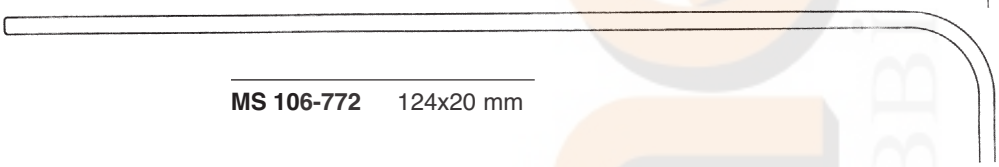
MS 106-775 160x30 mm



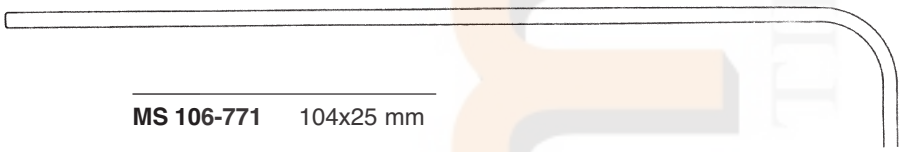
MS 106-774 144x30 mm



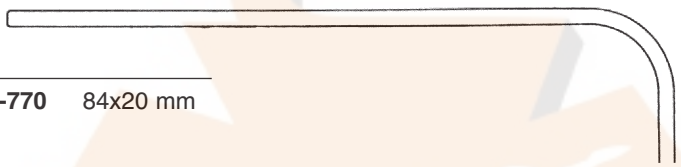
MS 106-773 130x30 mm



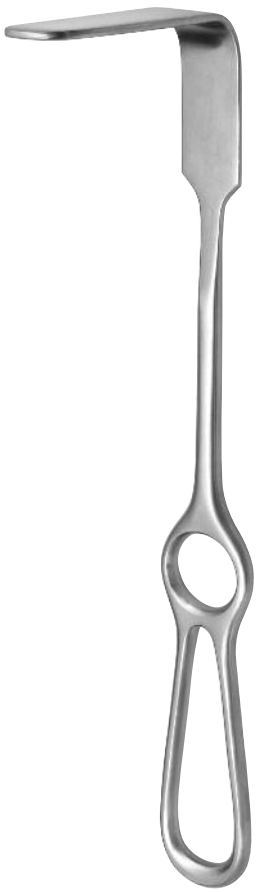
MS 106-772 124x20 mm



MS 106-771 104x25 mm



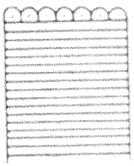
MS 106-770 84x20 mm



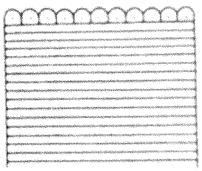
BRUNNER
25,5 cm / 10”



CRAWFORD
19,0 cm / 7½”



MS 106-780 15x15 mm



MS 106-781 15x23 mm



ROOS
25,0 cm / 9¾”



MS 106-790 Fig. 1



MS 106-791 Fig. 2



MS 106-792 Fig. 3



MS 106-793 Fig. 4



MS 106-794 Fig. 5

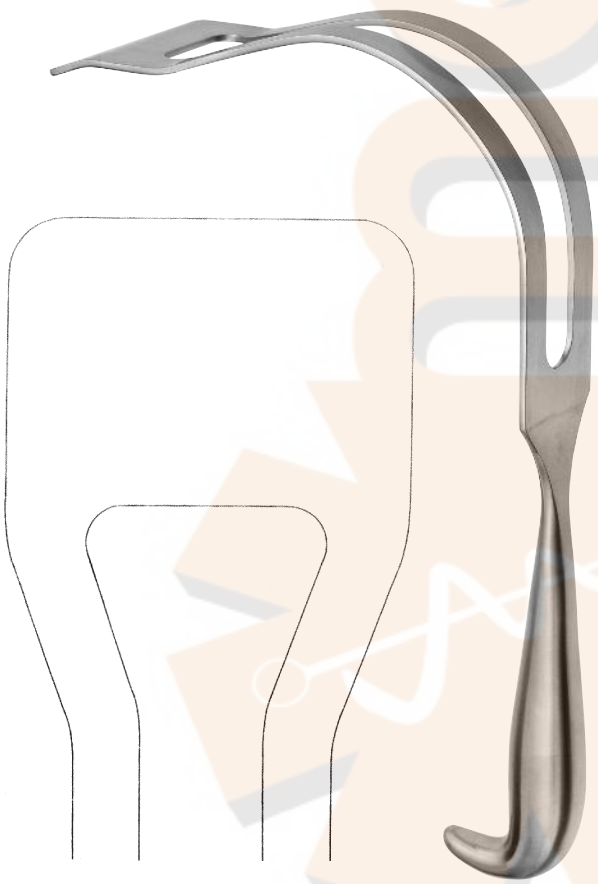


MS 106-795 Fig. 6



POLLOSON

MS 106-800 29,0 cm / 11½”



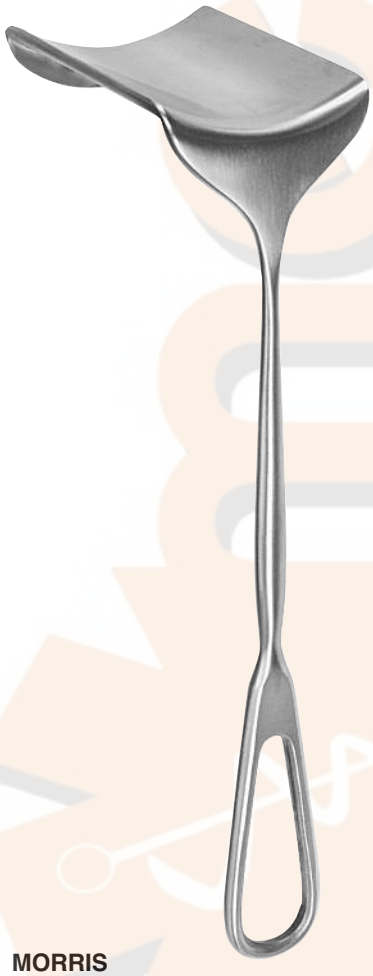
POLLOSON

MS 106-801 27,0 cm / 10 3/4”



HARRINGTON

MS 106-810	31,5 cm /12½”	
MS 106-811	31,5 cm /12½”	137x65 mm

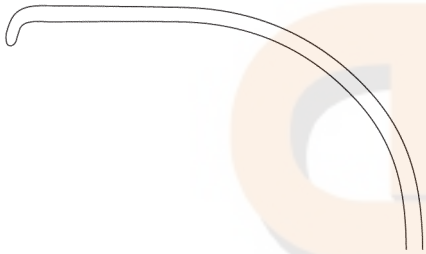


MORRIS

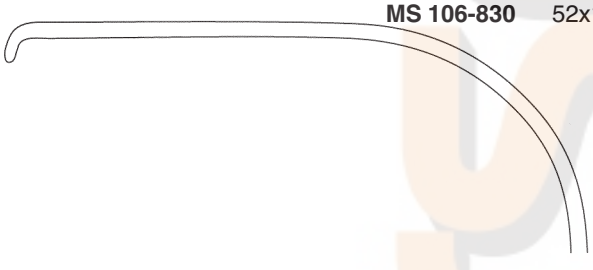
MS 106-820	24,5 cm / 9⅔”	70x40 mm
MS 106-821	24,5 cm / 9⅔”	70x50 mm
MS 106-822	24,5 cm / 9⅔”	70x65 mm



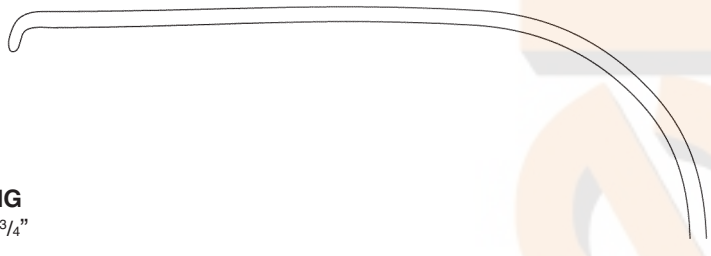
MEYERDING
22,5 cm / 8¾”



MS 106-830 52x16 mm 23,0 cm



MS 106-831 76x25 mm 23,0 cm



MS 106-832 90x50 mm 25,5 cm



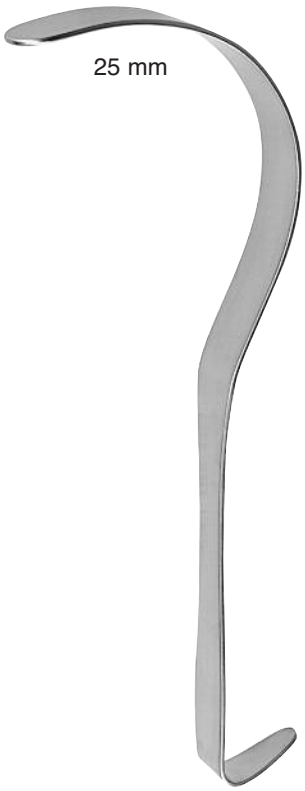
DEAVER
MS 106-840 18,0 cm / 7”



DEAVER
MS 106-841 21,5 cm / 8½”



DEAVER
MS 106-842 25,0 cm / 9¾”



DEAVER

MS 106-843 31,0 cm / 12¼”



DEAVER

MS 106-844 33,0 cm / 13”



DEAVER

MS 106-845 36,0 cm / 14⅛”



DEAVER

MS 106-846 30,0 cm / 11¾”



DEAVER

MS 106-847 31,0 cm / 12¼”



DEAVER

MS 106-848 31,5 cm / 12½”



DEAVER

MS 106-860	31,5 cm / 12½”	25 mm
MS 106-861	31,5 cm / 12½”	38 mm
MS 106-862	31,5 cm / 12½”	50 mm
MS 106-863	31,0 cm / 12¼”	75 mm



48 x 48 mm

sağ
right

COOLEY

MS 106-870 25,0 cm / 9¾ ”



48 x 48 mm

sağ taraklı
right serrated

COOLEY

MS 106-871 25,0 cm / 9¾ ”



30 x 48 mm

COOLEY

MS 106-872 27,0 cm / 10¾”



MIKULICZ

MS 106-880	25,0 cm / 9¾”	90x35 mm
MS 106-881	25,0 cm / 9¾”	125 x50 mm
MS 106-882	25,0 cm / 9¾”	160 x50 mm



MIKULICZ

MS 106-893	26,0 cm / 10¼”	90 x 55 mm

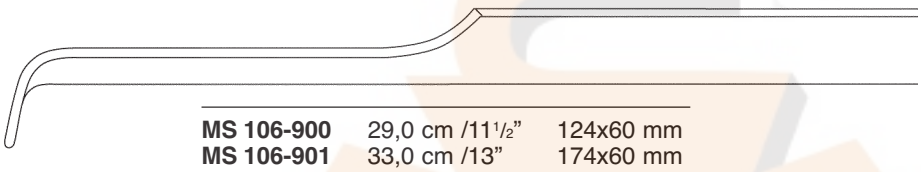


KELLY

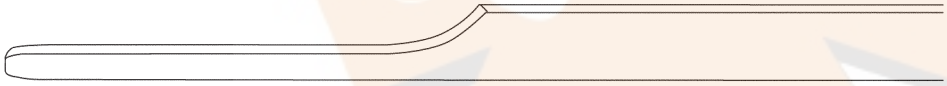
MS 106-890	27,0 cm /10¾”	160x38 mm
MS 106-891	27,0 cm /10¾”	160x57 mm
MS 106-892	27,0 cm /10¾”	190x38 mm
MS 106-893	27,0 cm /10¾”	190x57 mm



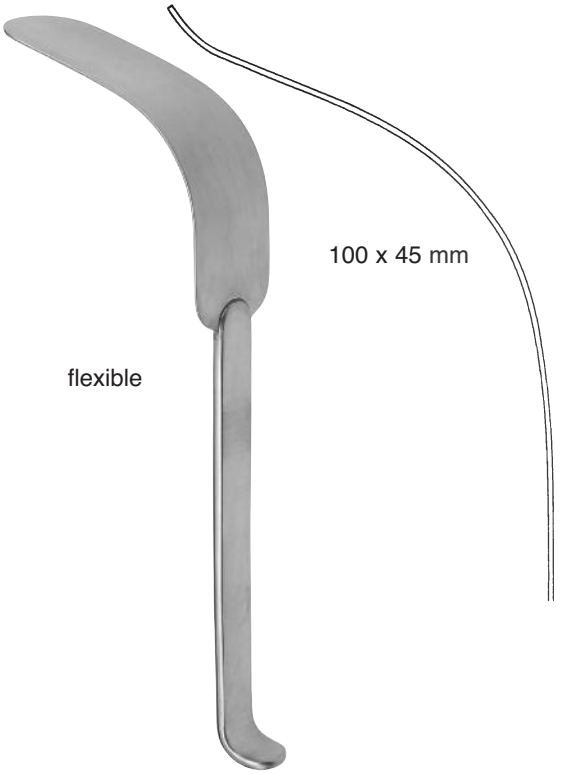
ST. MARKS



MS 106-900	29,0 cm /11½”	124x60 mm
MS 106-901	33,0 cm /13”	174x60 mm



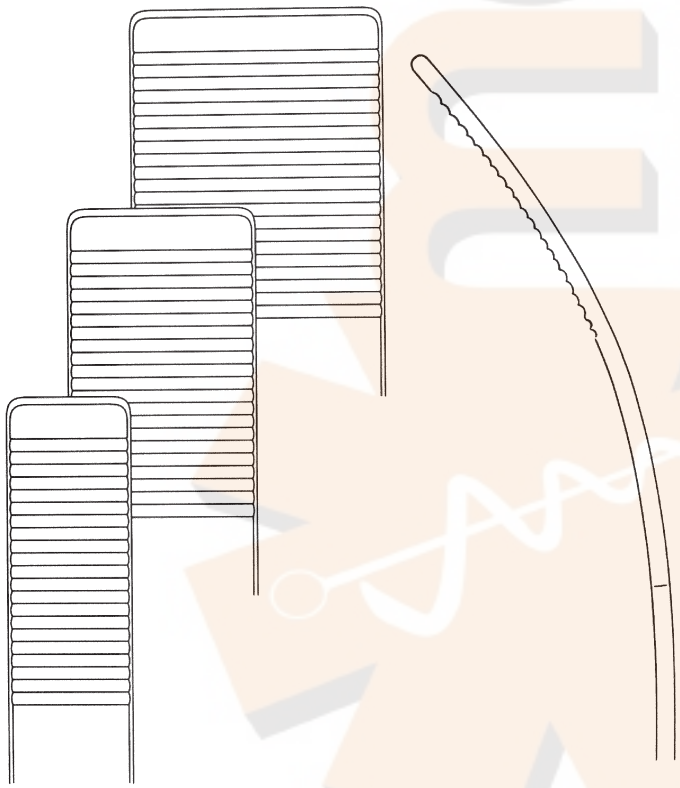
MS 106-902	33,0 cm /13”	178x60 mm



KUEMMEL

MS 106-910	31,0 cm /12¼”





KADER

MS 106-920	28,0 cm / 11”	20 mm
MS 106-921	28,0 cm / 11”	30 mm
MS 106-922	28,0 cm / 11”	40 mm



Fig.1 24x20 mm
Fig.2 29x26 mm
Fig.3 33x29 mm

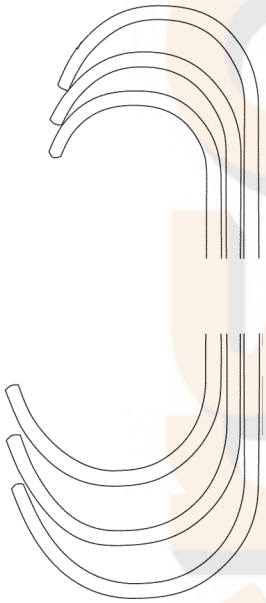


Fig.1 30x28 mm
Fig.2 36x36 mm
Fig.3 38x43 mm

ROUX

MS 106-940	17,0 cm / 6¾	Fig.1-3
MS 106-941	14,0 cm / 5½	Fig.1
MS 106-942	15,0 cm / 6	Fig.2
MS 106-943	17,0 cm / 6¾	Fig.3



Fig.2 30x10 mm
Fig.1 26x10 mm

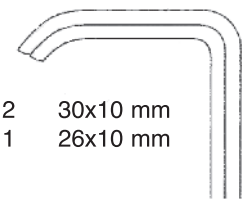
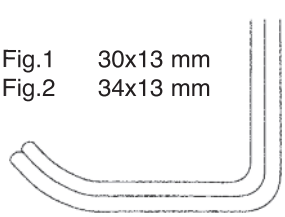


Fig.1 30x13 mm
Fig.2 34x13 mm



FARABEUF

MS 106-950	11,5 cm / 4¼	Fig.1-2
MS 106-951	11,5 cm / 4¼	Fig.1
MS 106-952	11,5 cm / 4¼	Fig.2



Fig.1 23x16 mm
Fig.2 27x16 mm

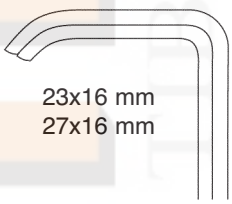
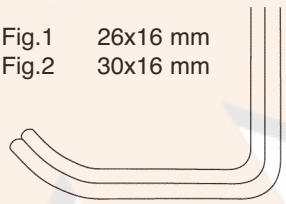


Fig.1 26x16 mm
Fig.2 30x16 mm



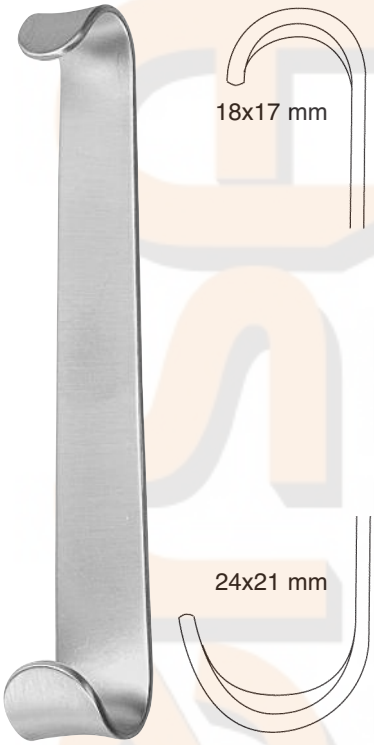
FARABEUF

MS 106-953	15,0 cm / 6	Fig.1-2
MS 106-954	15,0 cm / 6	Fig.1
MS 106-955	15,0 cm / 6	Fig.2



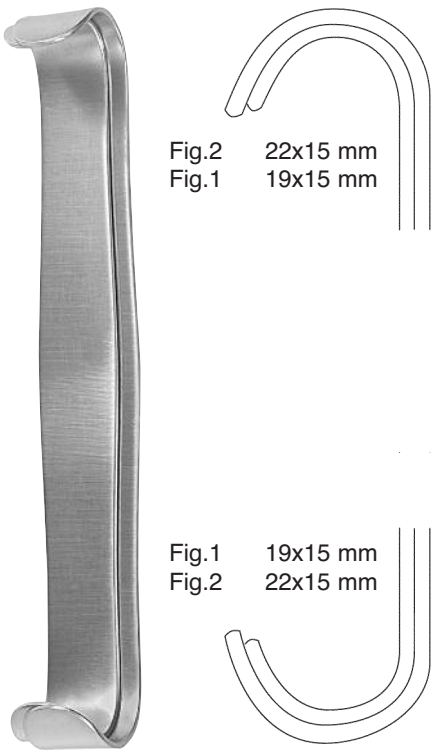
MINI-ROUX

MS 106-970	14,0 cm / 5½”	



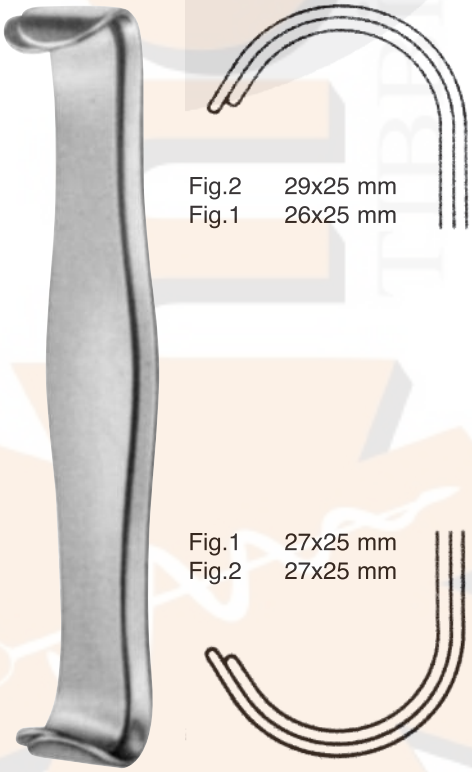
BABY-ROUX

MS 106-971	13,0 cm / 5”	



PARKER

MS 106-980	13,5 cm / 5¼”	Fig.1-2
MS 106-981	13,5 cm / 5¼”	Fig.1
MS 106-982	13,5 cm / 5¼”	Fig.2



PARKER

MS 106-990	17,5 cm / 7 ”	Fig.1-2
MS 106-991	17,5 cm / 7 ”	Fig.1
MS 106-992	17,5 cm / 7 ”	Fig.2

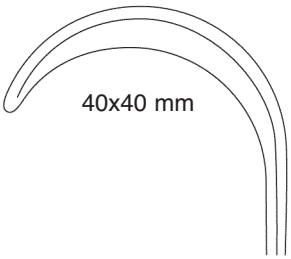


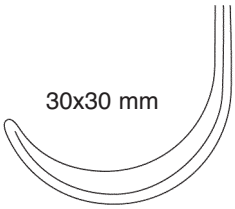


MATHIEU

MS 106-1000	20,0 cm / 8”	Fig.1-2
MS 106-1001	20,0 cm / 8”	Fig.1
MS 106-1002	20,0 cm / 8”	Fig.2







GOELET

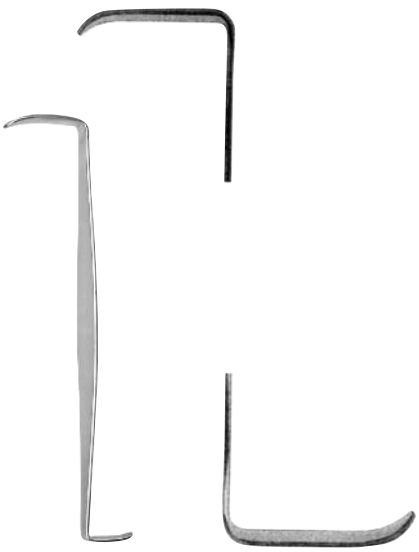
MS 106-1010 19,0 cm / 7½”





PARKER-LANGENBECK

MS 106-1020	21,5 cm / 8½”	Fig.1-2
MS 106-1021	21,5 cm / 8½”	Fig.1
MS 106-1022	21,5 cm / 8½”	Fig.2



CRILE

MS 106-1030 11,0 cm / 4¼”



LUER

MS 106-1031 11,0 cm / 4¼”



COLLIN

MS 106-1032 14,5 cm / 5¾”



REVERDIN

MS 106-1040 29,0 cm / 11½”



REVERDIN

MS 106-1041 28,5 cm / 11”



RIBBON

MS 106-1050 330x30 mm
MS 106-1051 330x40 mm
MS 106-1052 330x50 mm



HABERER

MS 106-1060 200x17/25 mm
MS 106-1061 280x25/30 mm
MS 106-1062 300x37/45 mm

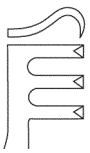


RIBBON

MS 106-1070 200x12 mm
MS 106-1071 200x17 mm
MS 106-1072 200x25 mm

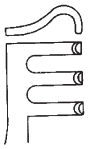


FINSEN



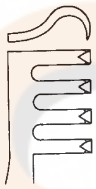
sivri
sharp

MS 106-1080
5,0 cm / 2”



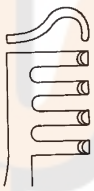
künt
blunt

MS 106-1082
5,0 cm / 2”



sivri
sharp

MS 106-1081
7,0 cm / 2¾”

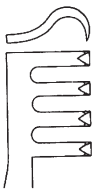


künt
blunt

MS 106-1083
7,0 cm / 2¾”

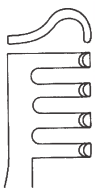


FINSEN
7,0 cm / 2¾”



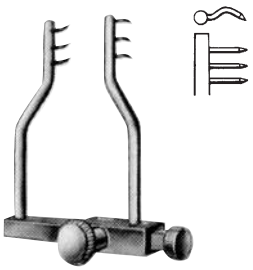
sivri
sharp

MS 106-1084

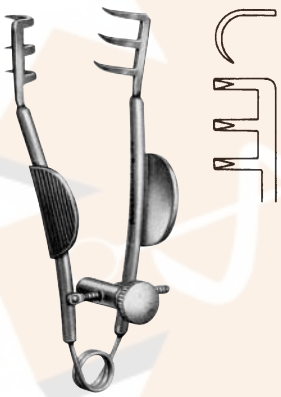


künt
blunt

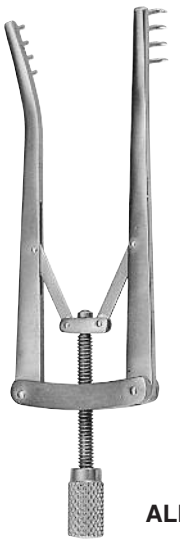
MS 106-1085



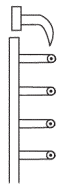
LOGAN
MS 106-1090 4,0 cm / 1½”



BUCKLEY
MS 106-1091 6,0 cm / 2¼”

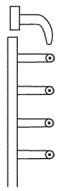


ALM



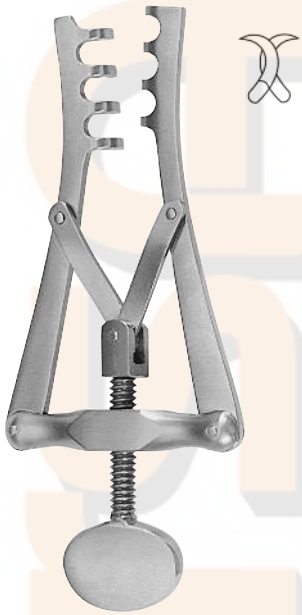
sivri
sharp

MS 106-1100 7,0 cm / 2¾”
MS 106-1101 10,0 cm / 4”



künt
blunt

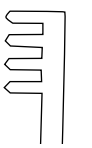
MS 106-1102 7,0 cm / 2¾”
MS 106-1103 10,0 cm / 4”



ALLPORT
MS 106-1110 9,5 cm / 3¾”



HOLZHEIMER
10,0 cm / 4”



sivri
sharp

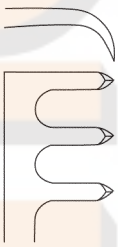
MS 106-1115



künt
blunt

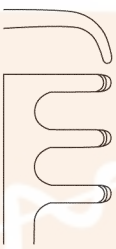
MS 106-1116





sivri
sharp

MS 106-1120



künt
blunt

MS 106-1121

JANSEN
10,0 cm / 4”





sivri
sharp

MS 106-1140

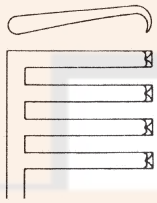


künt
blunt

MS 106-1141

SCALP-CONTOUR
14,0 cm / 5½”





sivri
sharp

ANDERSON-ADSON
MS 106-1142 20,0 cm / 8”





sivri
sharp

MS 106-1143



künt
blunt

MS 106-1144

ADSON
26,5 cm / 10½”





sivri
sharp

MS 106-1145



künt
blunt

MS 106-1146

WEITLANER-LOKTITE
11,0 cm / 4⅜”



sivri
sharp

MS 106-1148

künt
blunt

MS 106-1149

WEITLANER
13,5 cm / 5¼”



sivri
sharp

MS 106-1149

künt
blunt

MS 106-1150

WEITLANER
16,0 cm / 6¼”



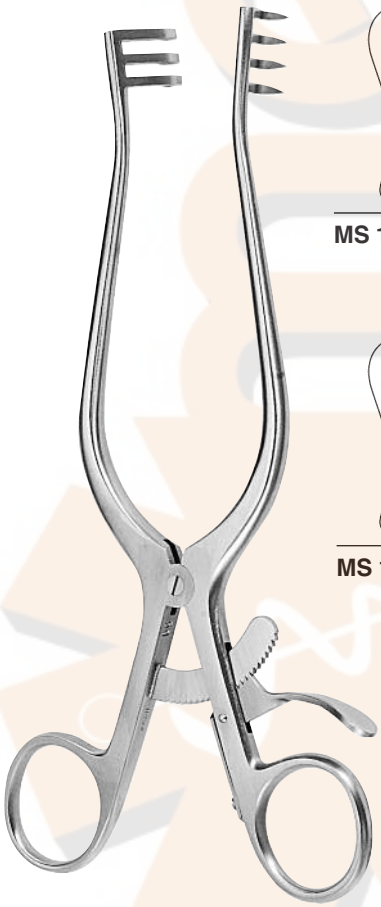
sivri
sharp

MS 106-1151

künt
blunt

MS 106-1152

WEITLANER
20,0 cm / 8”



sivri
sharp

MS 106-1153

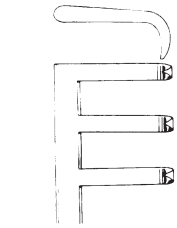
künt
blunt

MS 106-1154

WEITLANER
24,0 cm / 9½”

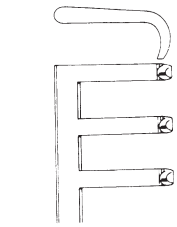


WEITLANER-WULLSTEIN
13,0 cm / 5”



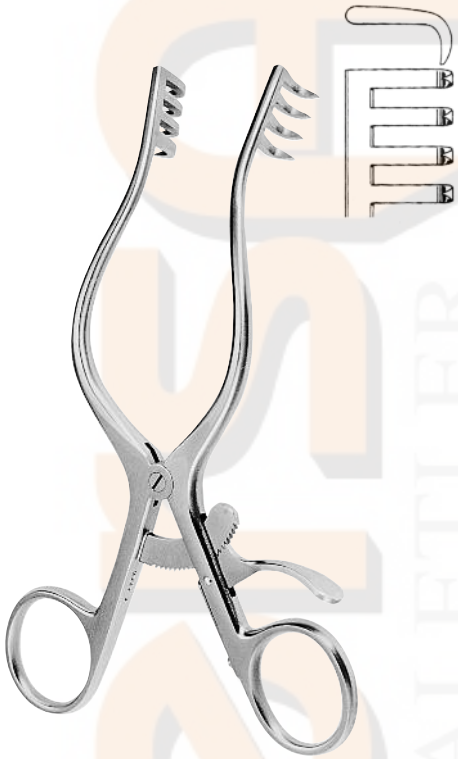
sivri
sharp

MS 106-1155



künt
blunt

MS 106-1156



sivri
sharp

MOLLISON
MS 106-1157 15,5 cm / 6”



PLESTER
13,0 cm / 5”



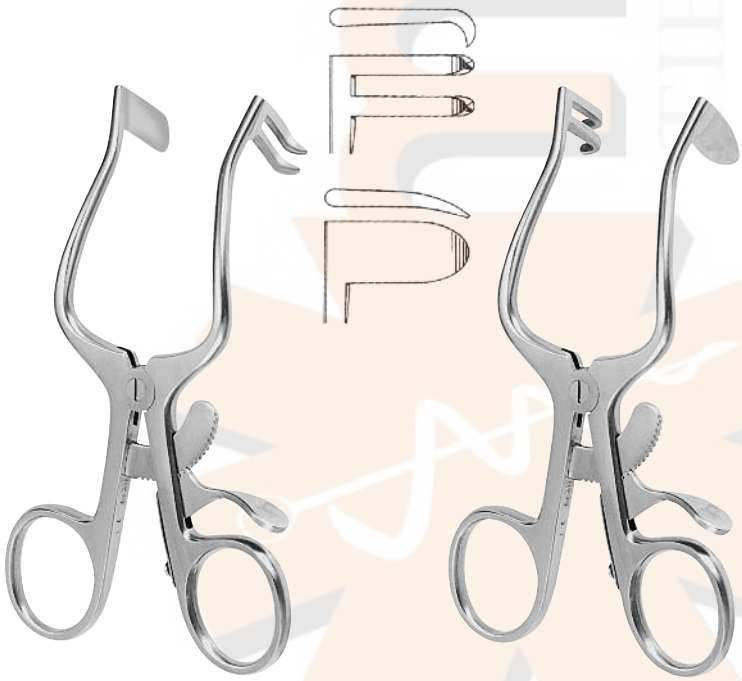
sivri
sharp

MS 106-1158



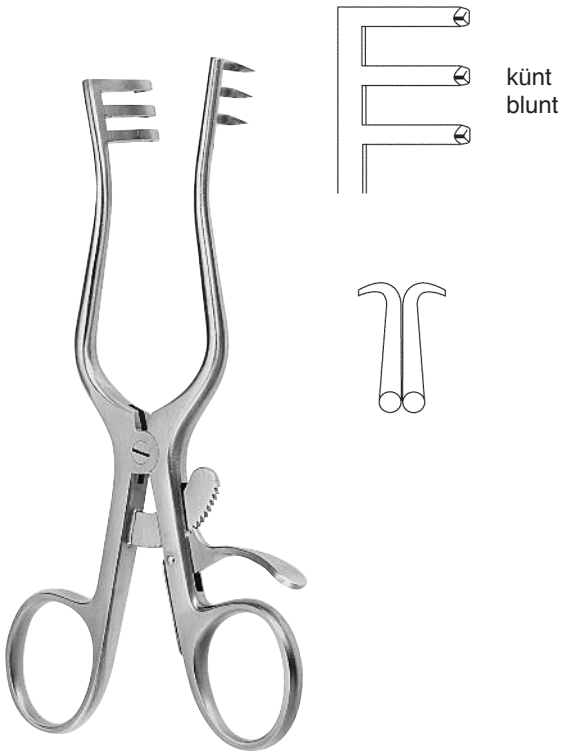
künt
blunt

MS 106-1159



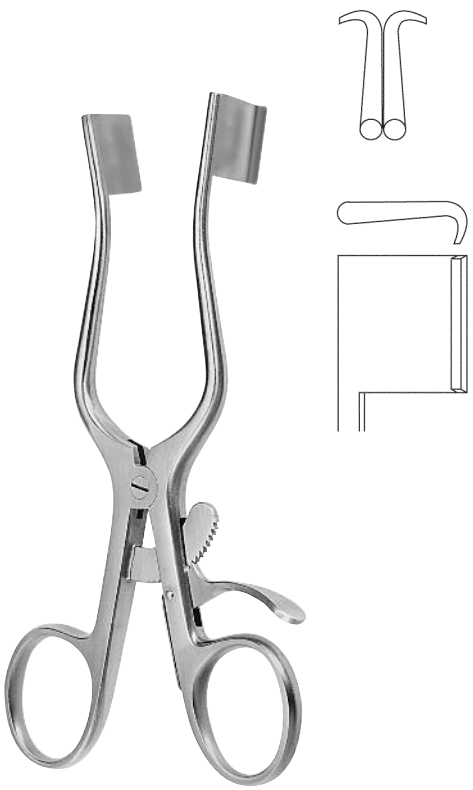
PLESTER
MS 106-1160 11,0 cm / 4 3/8”

PLESTER
MS 106-1161 11,0 cm / 4 3/8”



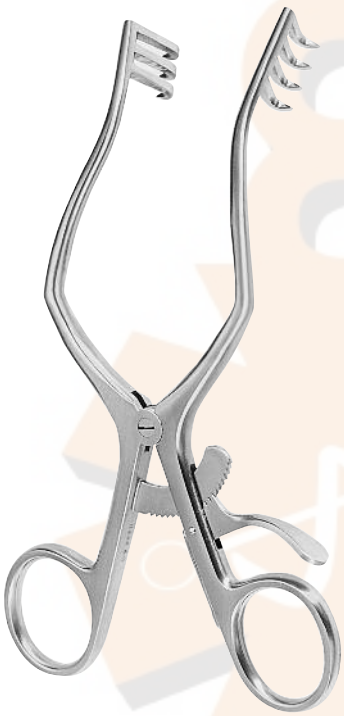
MILLIGAN

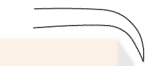
MS 106-1170 13,0 cm / 5”



WEITLANER-BABY

MS 106-1171 13,0 cm / 5”





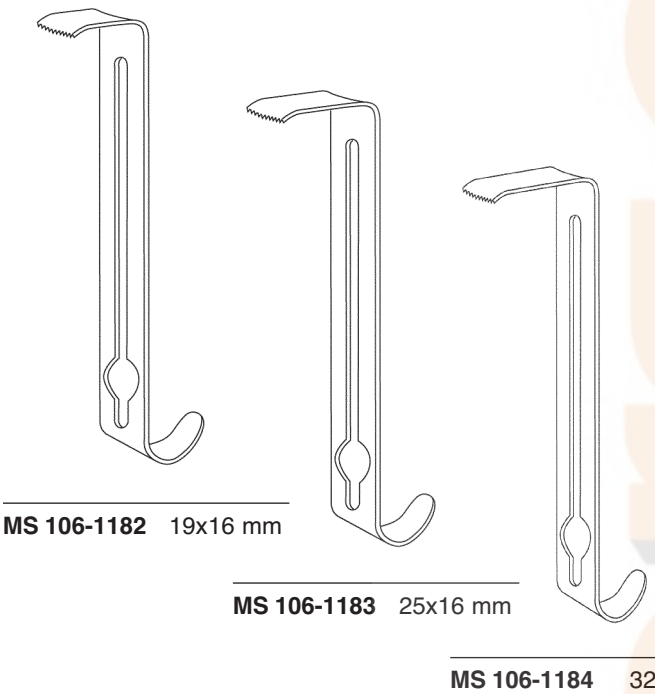
MS 106-1172



MS 106-1173

SCHUKNECHT
12,5 cm / 5”





MS 106-1182 19x16 mm

MS 106-1183 25x16 mm

MS 106-1184 32x16 mm

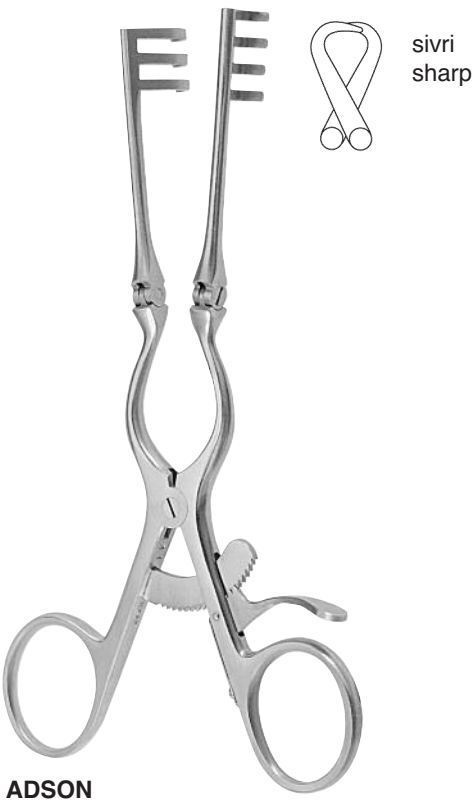


HENLEY

MS 106-1180 16,0 cm / 6¼”

HENLEY

MS 106-1181 16,0 cm / 6¼”



ADSON

MS 106-1190 13,5 cm / 5¼”
MS 106-1191 16,5 cm / 6½”



ADSON

MS 106-1192 13,5 cm / 5¼”
MS 106-1193 16,5 cm / 6½”

sivri
sharp



ADSON

MS 106-1194 20,0 cm / 8”
MS 106-1195 26,0 cm / 10¼”

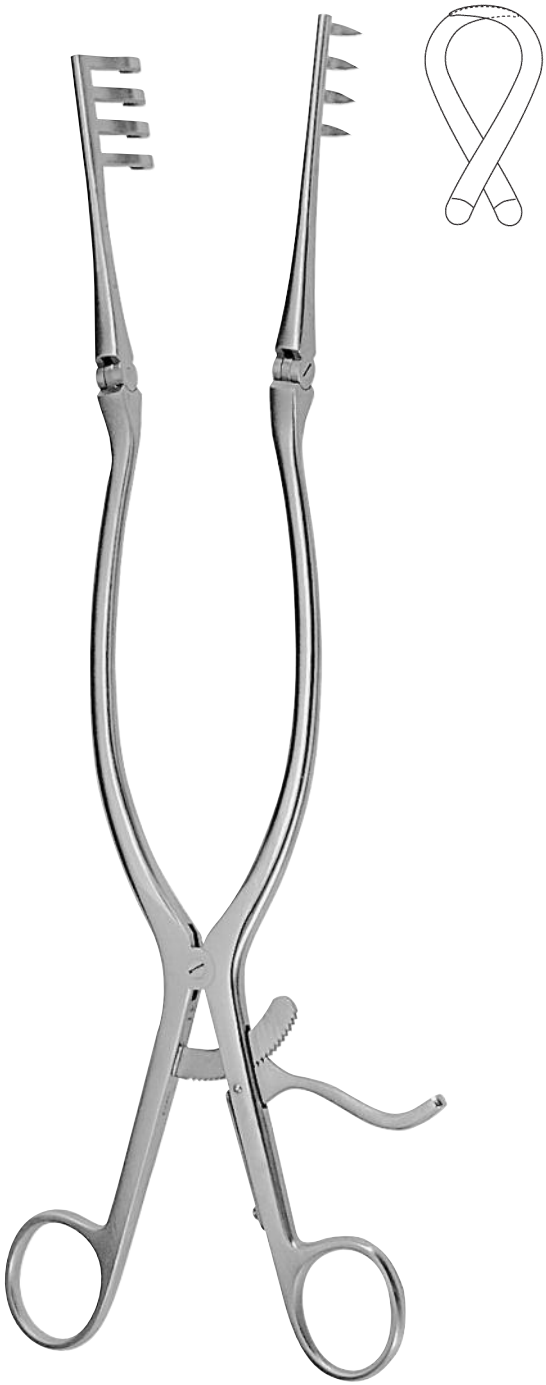
künt
blunt



ADSON

MS 106-1196 20,0 cm / 8”
MS 106-1197 26,0 cm / 10¼”

sivri
sharp

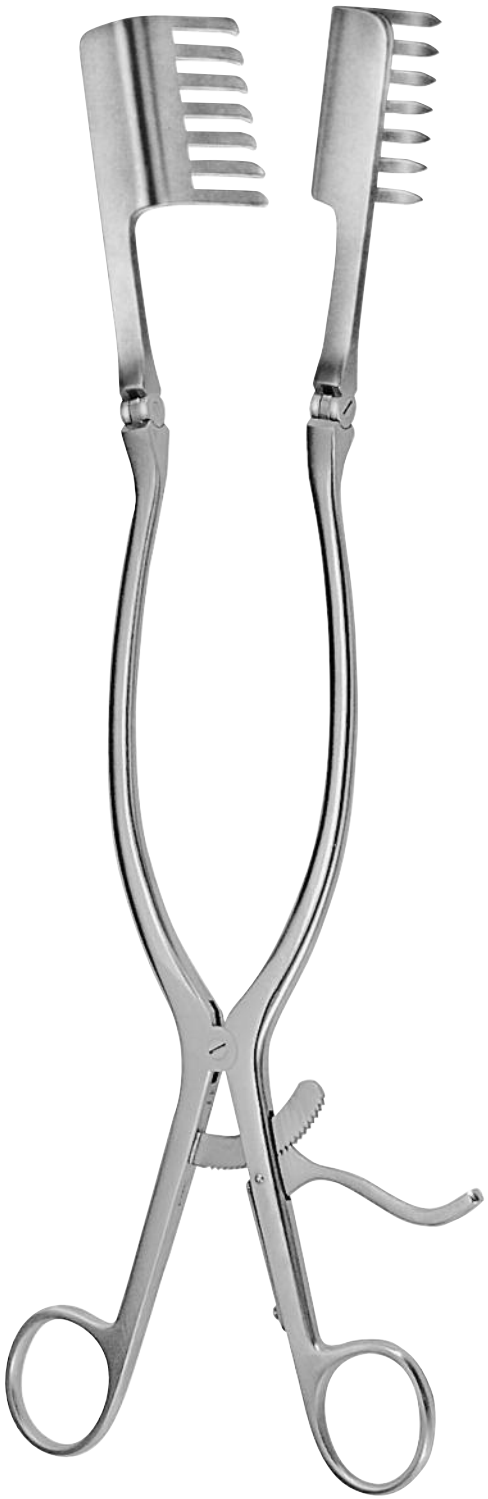


BECKMANN
MS 106-1210 32,0 cm / 12½”

künt
blunt

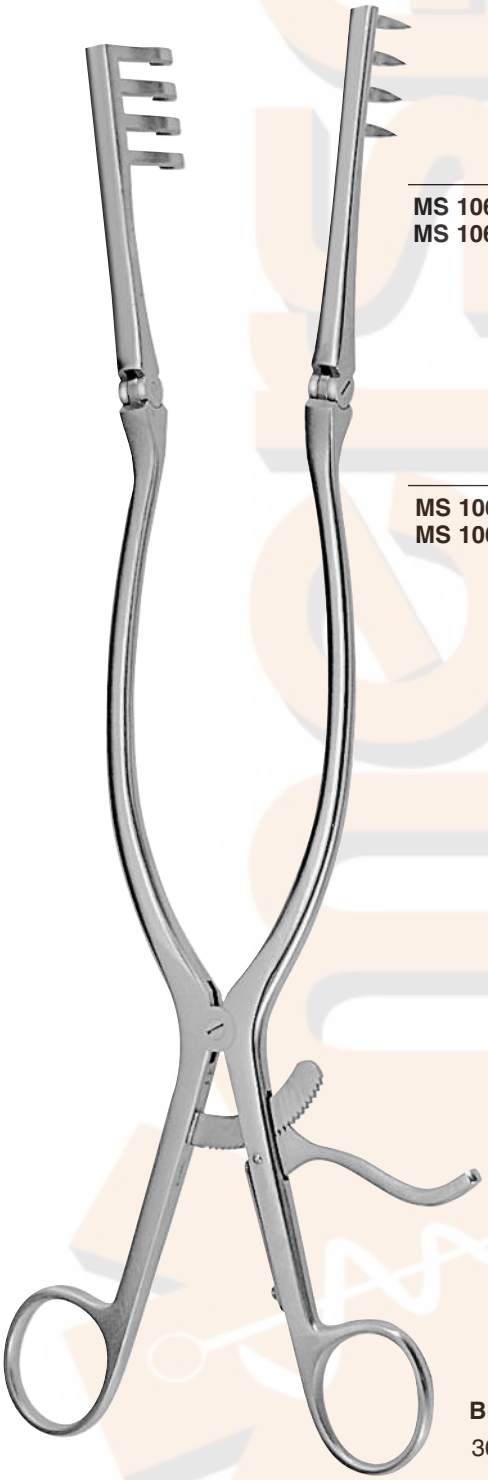


ADSON
MS 106-1211 33,0 cm / 13”



BECKMANN-EATON

MS 106-1212 32,0 cm / 12½”



BECKMANN-ADSON

30,5 cm / 12¼”



sivri
sharp

MS 106-1213 25x25 mm
MS 106-1214 25x45 mm



künt
blunt

MS 106-1215 25x25 mm
MS 106-1216 25x45 mm



NORFOLK AND NORWICH

MS 106-1230 22,0 cm / 8¾”



RICHTER

MS 106-1231 17,0 cm / 6¾”



MAYO-ADAMS

MS 106-1232 16,5 cm / 6½”



RIGBY

MS 106-1233 18,0 cm / 7”



JOLL (FRIEDMAN)

MS 106-1234 15,5 cm / 6”



GELPI

MS 106-1235 9,0 cm / 3½”
MS 106-1236 11,0 cm / 4⅜”



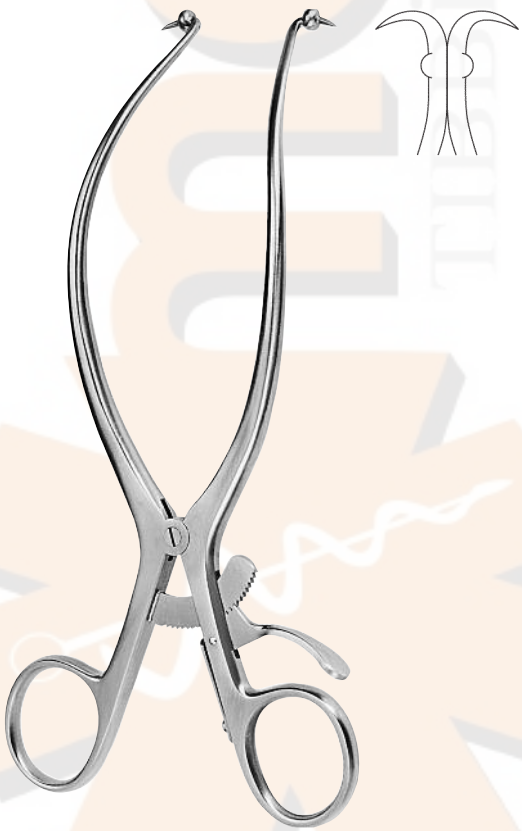
GELPI

MS 106-1237 13,0 cm / 5⅜”



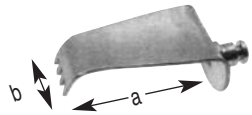
GELPI

MS 106-1238 16,0 cm / 6¼”
MS 106-1239 18,0 cm / 7”



GELPI-LOKTITE

MS 106-1240 19,0 cm / 7½”



MS 106-1252 40x15-23 mm (axb)



MS 106-1253 45x15-23 mm (axb)



MS 106-1254 50x15-23 mm (axb)



MS 106-1255 55x15-23 mm (axb)



MS 106-1256 60x15-23 mm (axb)

CLOWARD

MS 106-1250

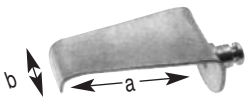
Komple set içindekiler:
1 Dağıtıcı (MS 106-1251)
2 Yan bladler 40 x 15 - 23 mm (MS 106-1252)
2 Yan bladler 45 x 15 - 23 mm (MS 106-1253)
2 Yan bladler 50 x 15 - 23 mm (MS 106-1254)
2 Yan bladler 55 x 15 - 23 mm (MS 106-1255)
2 Yan bladler 60 x 15 - 23 mm (MS 106-1256)

Self-retaining retractor, complete, consisting of:
1 Spreader (MS 106-1251)
2 Lateral valves, serrated, 40x15 - 23 mm (MS 106-1252)
2 Lateral valves, serrated, 45x15 - 23 mm (MS 106-1253)
2 Lateral valves, serrated, 50x15 - 23 mm (MS 106-1254)
2 Lateral valves, serrated, 55x15 - 23 mm (MS 106-1255)
2 Lateral valves, serrated, 60x15 - 23 mm (MS 106-1256)



CLOWARD

MS 106-1251 25,0 cm / 9¾”



MS 106-1272 40x15-23 mm (axb)



MS 106-1273 45x15-23 mm (axb)



MS 106-1274 50x15-23 mm (axb)



MS 106-1275 55x15-23 mm (axb)



MS 106-1276 60x15-23 mm (axb)

CLOWARD

MS 106-1270

Komple set içindekiler:
1 Dağıtıcı (MS 106-1271)
2 Yan bladler 40 x 15 - 23 mm (MS 106-1272)
2 Yan bladler 45 x 15 - 23 mm (MS 106-1273)
2 Yan bladler 50 x 15 - 23 mm (MS 106-1274)
2 Yan bladler 55 x 15 - 23 mm (MS 106-1275)
2 Yan bladler 60 x 15 - 23 mm (MS 106-1276)

Self-retaining retractor, complete, consisting of:
1 Spreader (MS 106-1271)
2 Lateral valves, blunt, 40x15 - 23 mm (MS 106-1272)
2 Lateral valves, blunt, 45x15 - 23 mm (MS 106-1273)
2 Lateral valves, blunt, 50x15 - 23 mm (MS 106-1274)
2 Lateral valves, blunt, 55x15 - 23 mm (MS 106-1275)
2 Lateral valves, blunt, 60x15 - 23 mm (MS 106-1276)



CLOWARD

MS 106-1271 15,0 cm /6”



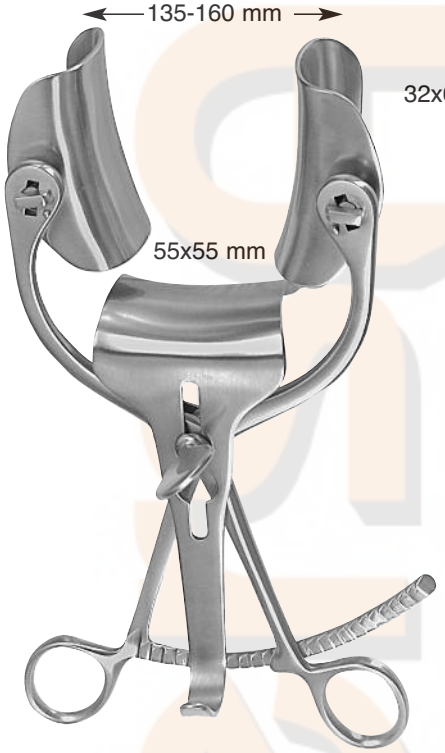
MS 106-1292 30x44 mm



MS 106-1291 23x44 mm

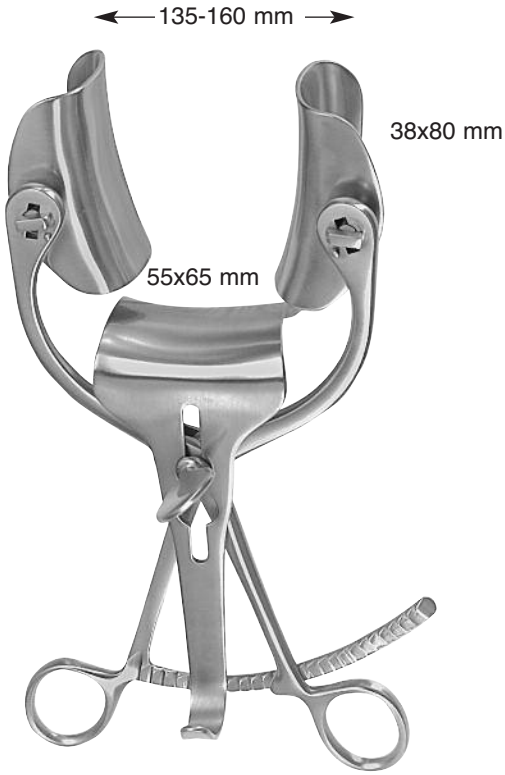
BABY-COLLIN

MS 106-1290 18,0 cm / 7”



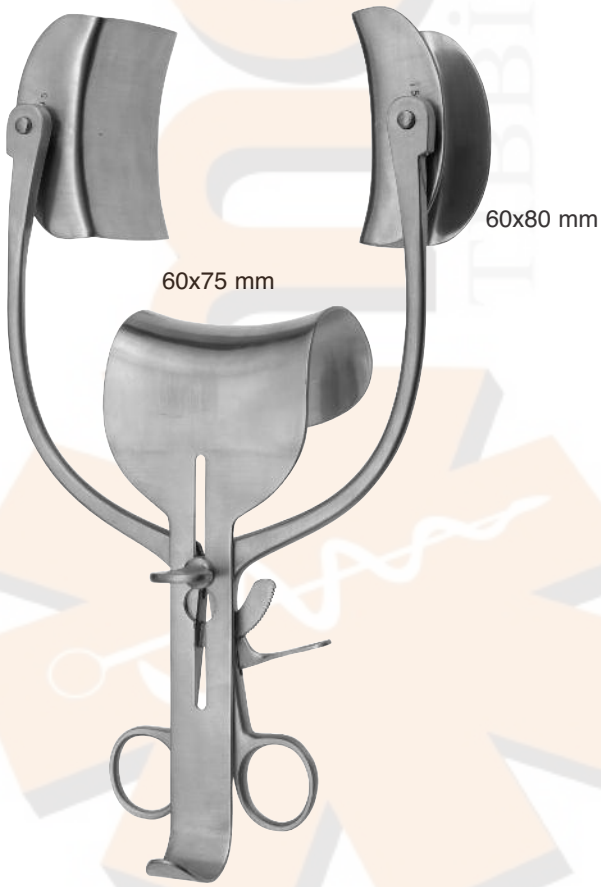
COLLIN

MS 106-1293 22,5 cm / 9”



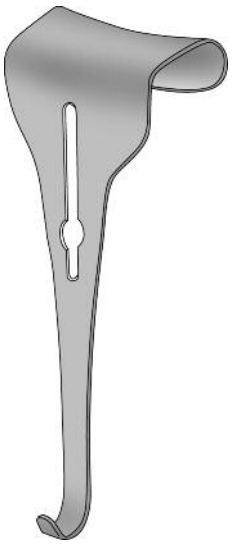
COLLIN

MS 106-1294 22,5 cm / 9¼”



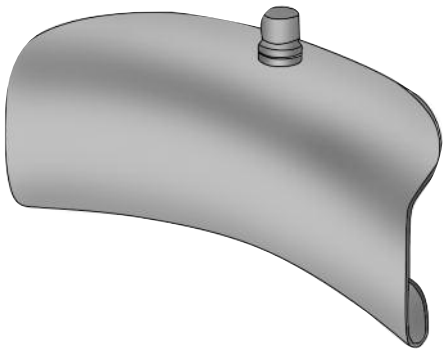
COLLIN-LOKTITE

MS 106-1295 31,0 cm / 12¼”

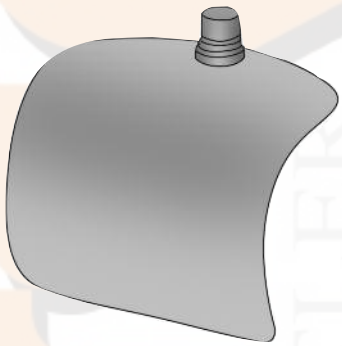


COLLIN

MS 106-1310 55x55 mm
MS 106-1311 55x65 mm
MS 106-1312 55x75 mm



MS 106-1313 32x 62 mm
MS 106-1314 38x 80 mm
MS 106-1315 38x100 mm



MS 106-1316 60x80 mm

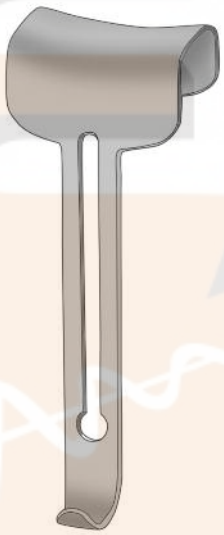


RICARD

MS 106-1317 55x70 mm
MS 106-1318 90x80 mm

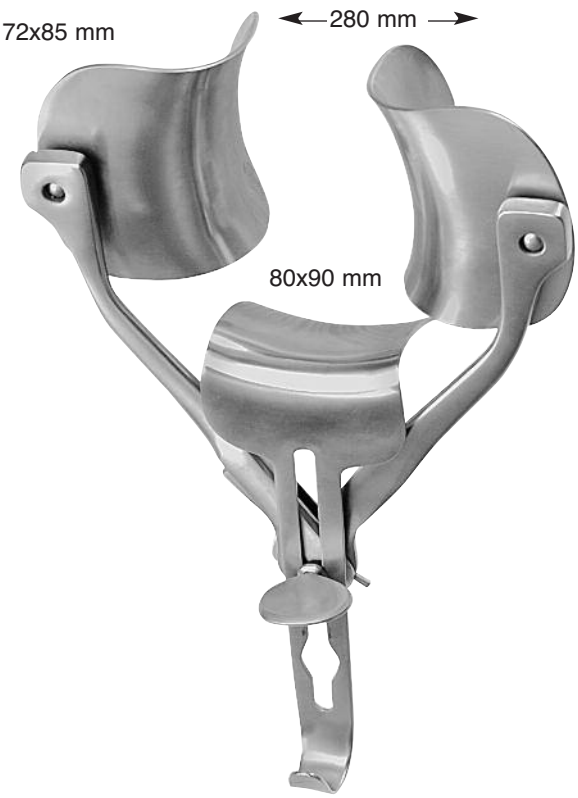


MS 106-1319 50x58 mm
MS 106-1320 60x80 mm
MS 106-1321 72x85 mm



ROBIN-MASSE

MS 106-1322 40x64 mm



RICARD

MS 106-1330 28,0 cm / 11”



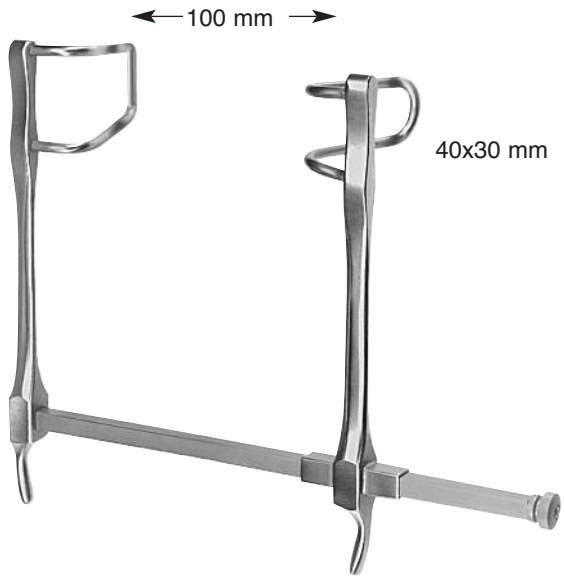
RICARD

MS 106-1331 30,0 cm / 12”

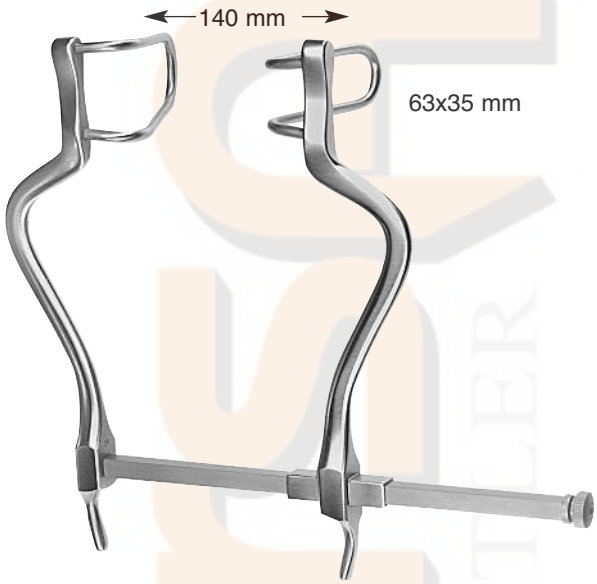


ROBIN-MASSE

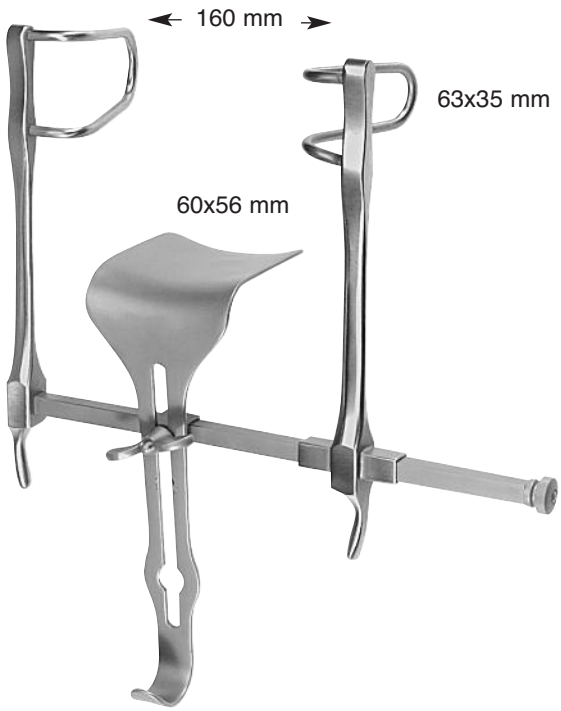
MS 106-1332



GOSSET
MS 106-1340

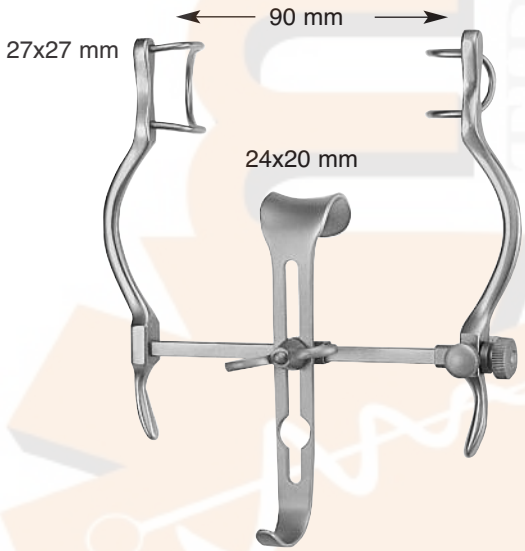


GOSSET
MS 106-1341

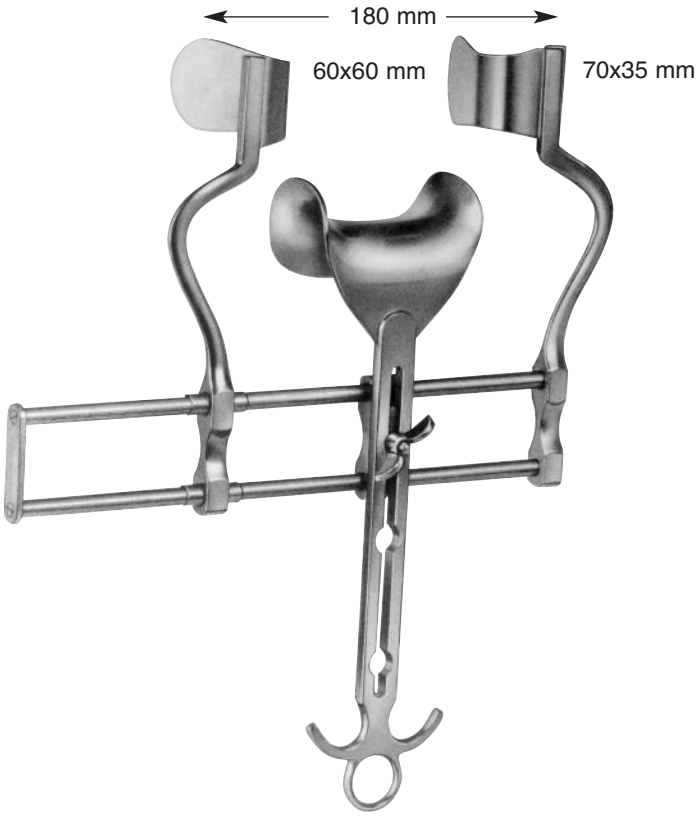


GOSSET
MS 106-1342

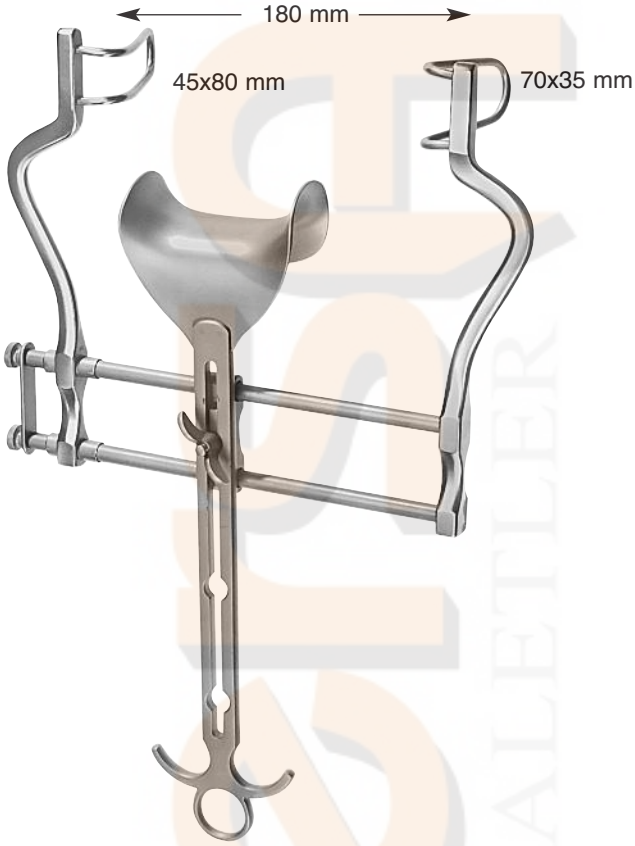
MS 106-1343 60x56 mm



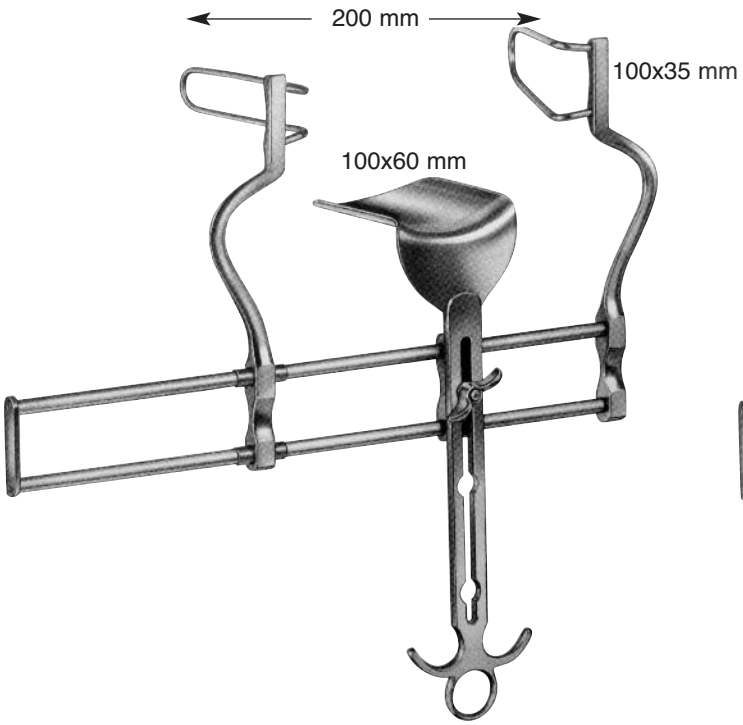
BABY-BALFOUR
MS 106-1344



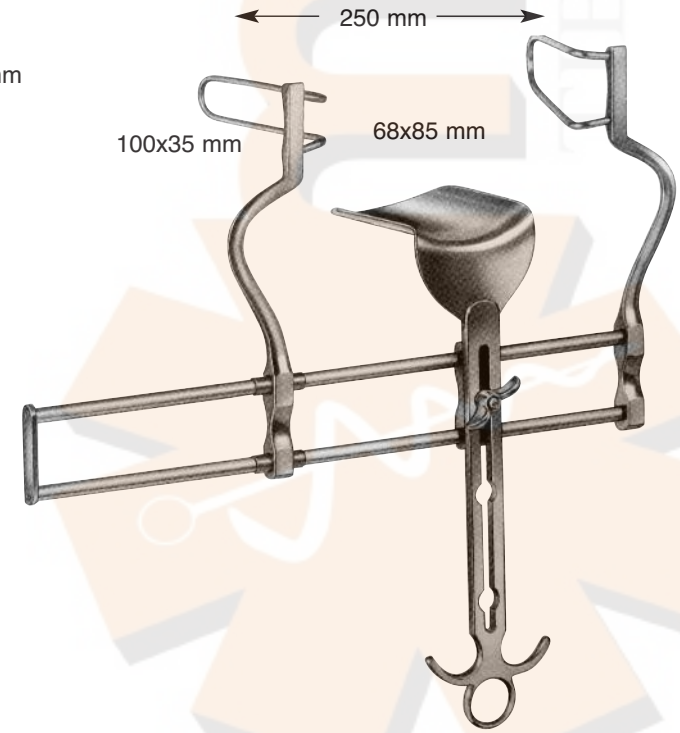
BALFOUR
MS 106-1350



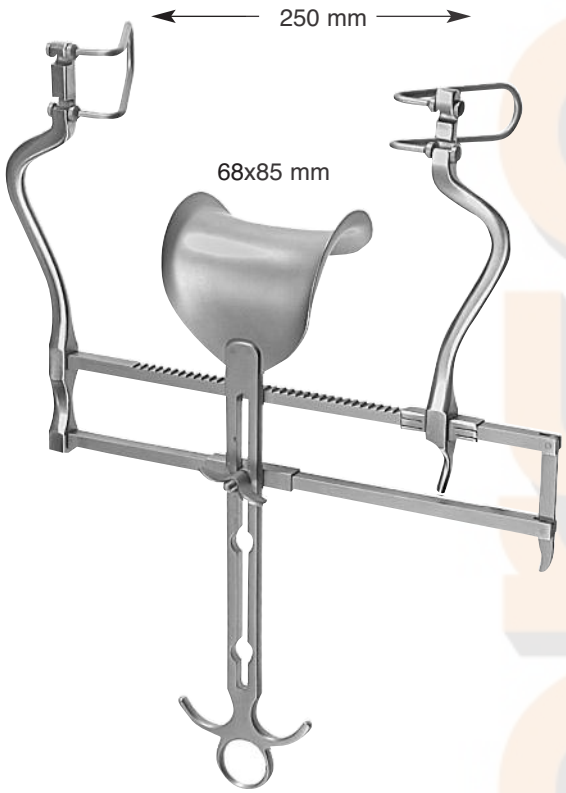
BALFOUR
MS 106-1351



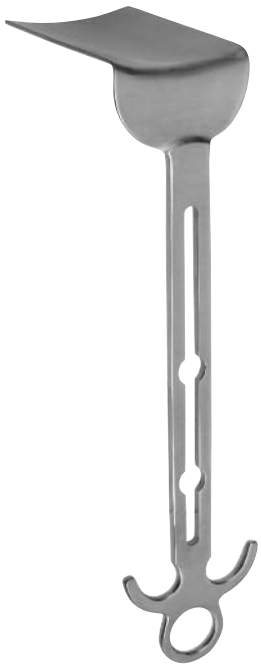
BALFOUR
MS 106-1352



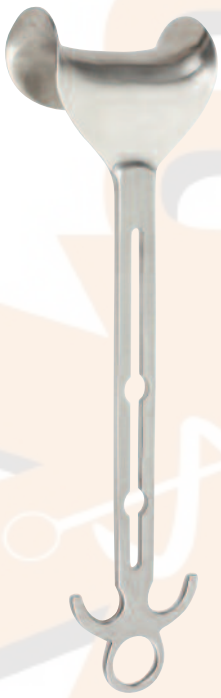
BALFOUR
MS 106-1353



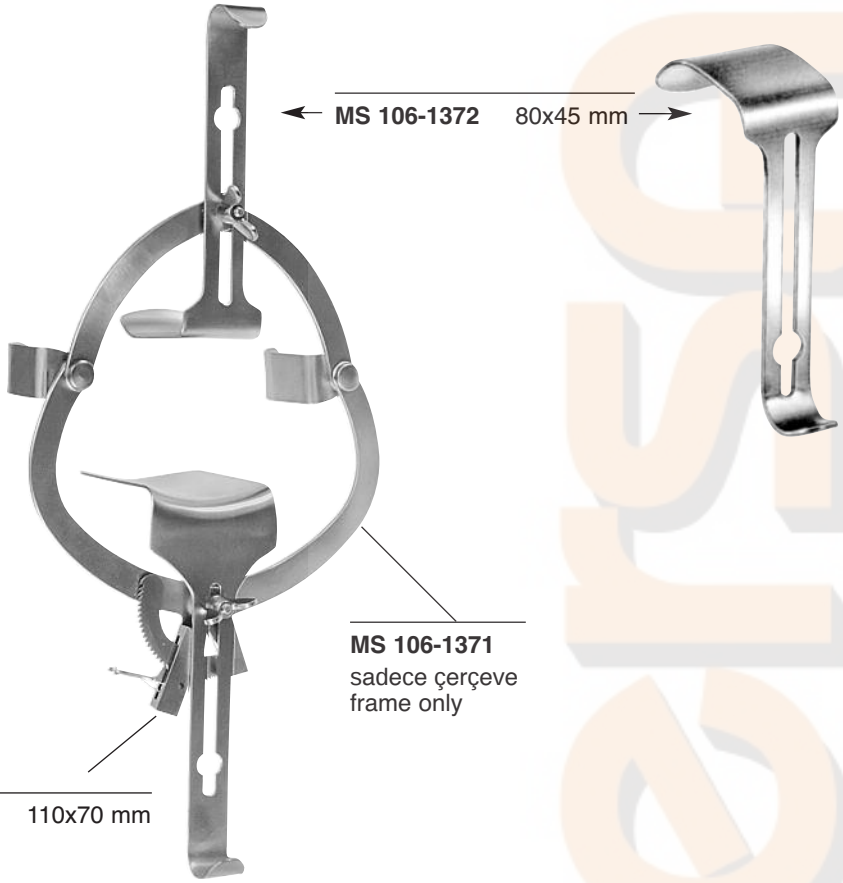
BALFOUR US-TYPE
MS 106-1354



BALFOUR
MS 106-1355 100x60 mm



BALFOUR
MS 106-1356 45x80 mm
MS 106-1357 68x85 mm



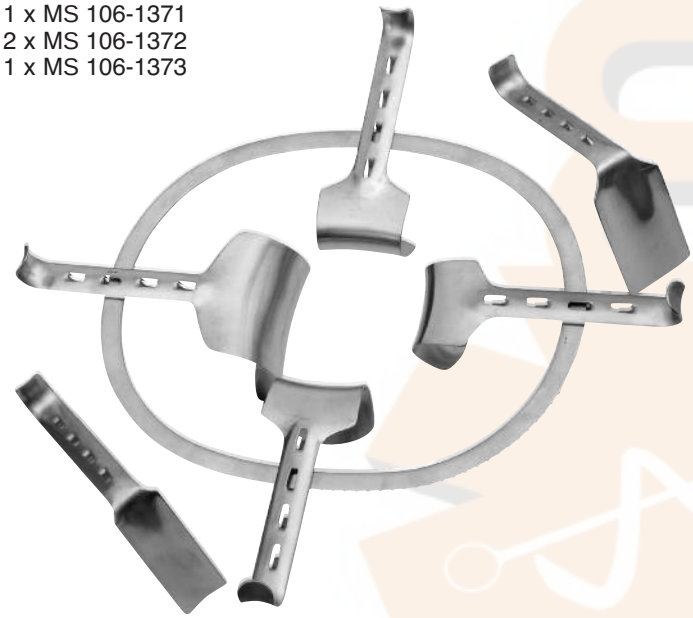
MS 106-1372 80x45 mm

MS 106-1371
sadece çerçeve
frame only

MS 106-1373 110x70 mm

O`SULLIVAN-O´CONNOR

MS 106-1370
Komple set, complete
1 x MS 106-1371
2 x MS 106-1372
1 x MS 106-1373



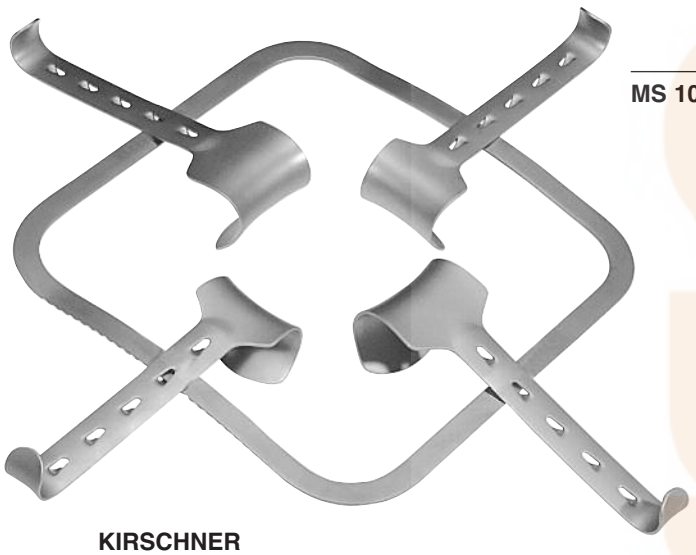
KIRSCHNER

MS 106-1380
Komple set, complete
1 x MS 106-1381
3 x MS 106-1385
1 x MS 106-1386
1 x MS 106-1390
1 x MS 106-1391

MS 106-1381 300 x 240 mm

sadece çerçeve
frame only

MS 106-1385 50x65 mm



MS 106-1384 40x55 mm

MS 106-1383 240x240 mm
sadece çerçeve
frame only

KIRSCHNER
MS 106-1382
Komple set, complete
1 x MS 106-1383
2 x MS 106-1384
2 x MS 106-1385



KIRSCHNER
MS 106-1386 80x90 mm
MS 106-1387 90x65 mm



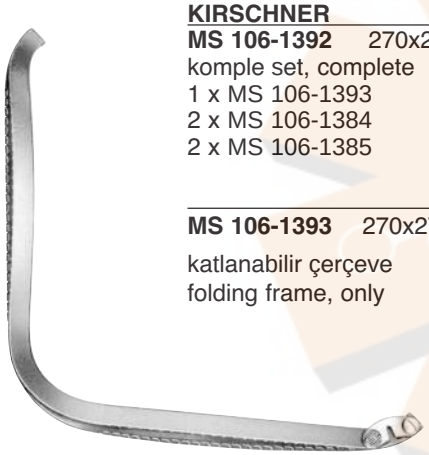
KIRSCHNER
MS 106-1388 60x85 mm



KIRSCHNER-BALFOUR
MS 106-1389 80x80 mm



KIRSCHNER
MS 106-1390 98x50 mm
MS 106-1391 105x35 mm

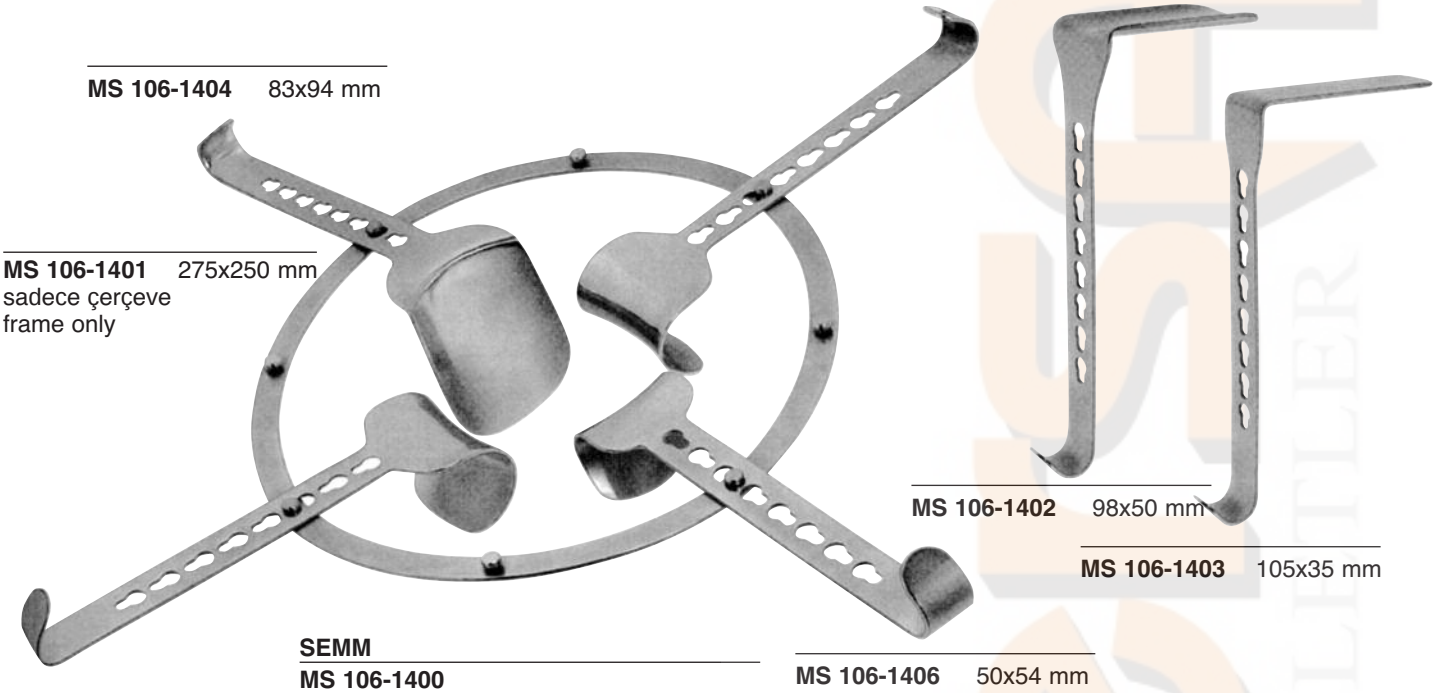


KIRSCHNER
MS 106-1392 270x270 mm
komple set, complete
1 x MS 106-1393
2 x MS 106-1384
2 x MS 106-1385

MS 106-1393 270x270 mm
katlanabilir çerçeve
folding frame, only

MS 106-1405 45x57 mm

MS 106-1404 83x94 mm



MS 106-1401 275x250 mm
sadece çerçeve
frame only

MS 106-1402 98x50 mm

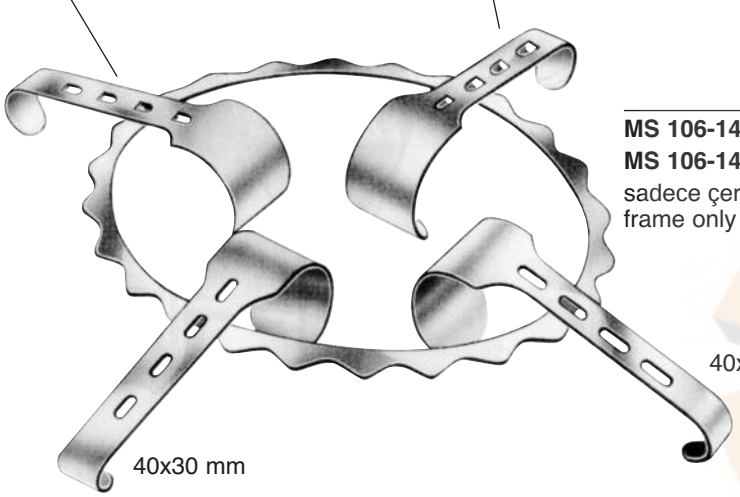
MS 106-1403 105x35 mm

MS 106-1406 50x54 mm

SEMM
MS 106-1400
komple set, complete
1 x MS 106-1401
1 x MS 106-1402
1 x MS 106-1403
1 x MS 106-1404
2 x MS 106-1405
1 x MS 106-1406

MS 106-1417 40x40 mm

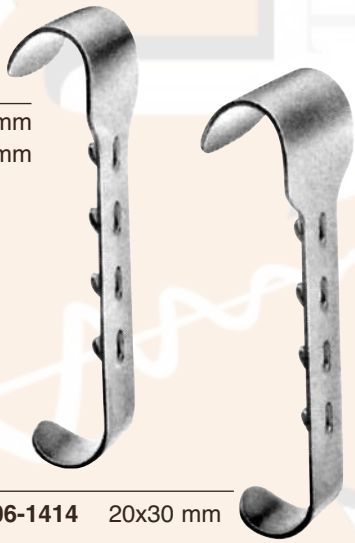
MS 106-1416 40x30 mm



40x30 mm

MS 106-1412 255x180 mm
MS 106-1413 150x180 mm
sadece çerçeve
frame only

40x40 mm



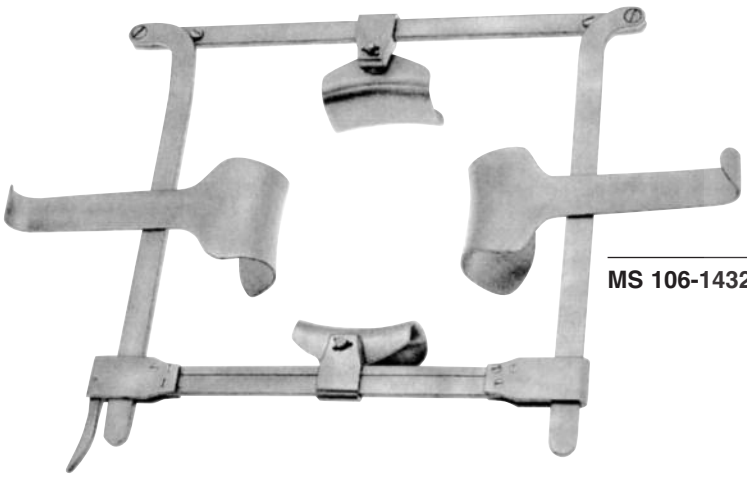
MS 106-1414 20x30 mm

MS 106-1415 20x40 mm

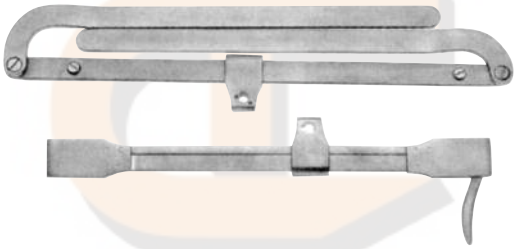
DENIS-BROWNE
MS 106-1410
1 x MS 106-1413
2 x MS 106-1416
2 x MS 106-1417

DENIS-BROWNE
MS 106-1411
1 x MS 106-1412
2 x MS 106-1416
2 x MS 106-1417

MS 106-1434 40x60 mm



MS 106-1432 48x56 mm



MS 106-1431 220x220 mm
katlanabilir çerçeve
folding frame, only

FRANZ

MS 106-1430
komple set, complete
1 x 016-840-001
2 x 016-840-002
2 x 016-840-004





MS 106-1434 40x60 mm
MS 106-1435 40x80 mm

MS 106-1432 48x56 mm
MS 106-1433 50x85 mm



DOYEN

MS 106-1450	28,0 cm /11”	90x50 mm
MS 106-1451	28,0 cm /11”	105x50 mm
MS 106-1452	28,0 cm /11”	120x50 mm
MS 106-1453	28,0 cm /11”	135x50 mm



MS 106-1460 79,0 cm /31”



ROCHARD
MS 106-1461

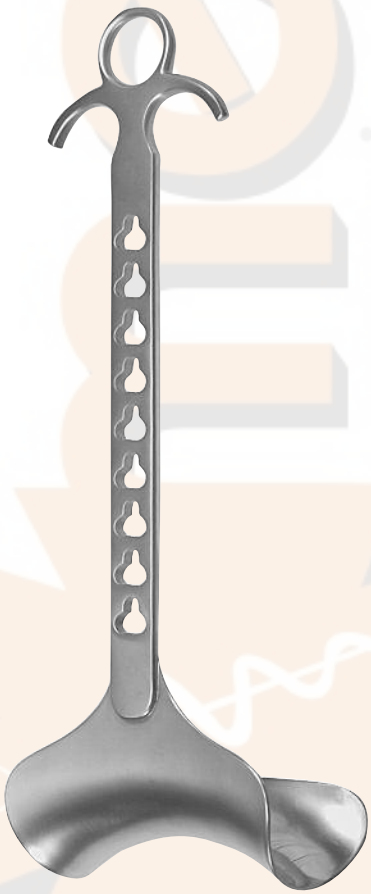


ROCHARD
MS 106-1462



ROCHARD

MS 106-1463	19,0 cm /11”	



ROCHARD

MS 106-1464	28,0 cm /11”	95x50 mm
MS 106-1465	28,0 cm /11”	105x50 mm
MS 106-1466	28,0 cm /11”	120x60 mm
MS 106-1467	28,0 cm /11”	135x60 mm
MS 106-1468	28,0 cm /11”	155x60 mm

mersa
TIBBİ ALETLER

107



PROBLAR
PROBES

ø 1,0 mm	ø 1,5 mm	ø 2,0 mm	
MS 107-101	**MS 107-110**	**MS 107-120**	11,5 cm / 4½”
MS 107-102	**MS 107-111**	**MS 107-121**	13,0 cm / 5”
MS 107-103	**MS 107-112**	**MS 107-122**	14,5 cm / 5¾”
MS 107-104	**MS 107-113**	**MS 107-123**	16,0 cm / 6¼”
MS 107-105	**MS 107-114**	**MS 107-124**	18,0 cm / 7”
MS 107-106	**MS 107-115**	**MS 107-125**	20,0 cm / 8”
	MS 107-116	**MS 107-126**	25,0 cm / 9¾”
		MS 107-127	30,0 cm / 11¾”



ø 2,0 mm	
MS 107-140	11,5 cm / 4½”
MS 107-141	13,0 cm / 5”
MS 107-142	14,5 cm / 5¾”
MS 107-143	16,0 cm / 6¼”
MS 107-144	18,0 cm / 7”
MS 107-145	20,0 cm / 8”
MS 107-146	25,0 cm / 9¾”

Ø 1,0 mm



STACKE

MS 107-150	10,5 cm / 4⅛”



ø 1,5 mm	ø 2,0 mm	
–	**MS 107-152**	13,0 cm / 5”
MS 107-151	**MS 107-153**	14,5 cm / 5¾”
–	**MS 107-154**	16,0 cm / 6¼”
–	**MS 107-155**	18,0 cm / 7”
–	**MS 107-156**	20,0 cm / 8”



ø 3,5 mm	
MS 107-170	11,5 cm / 4½”
MS 107-171	13,0 cm / 5”
MS 107-172	14,5 cm / 5¾”
MS 107-173	16,0 cm / 6¼”
MS 107-174	20,0 cm / 8



ø 3,3 mm

MS 107-190	13,0 cm / 5”
MS 107-191	14,5 cm / 5¾”
MS 107-192	16,0 cm / 6¼”
MS 107-193	18,0 cm / 7”
MS 107-194	20,0 cm / 8”



DOYEN

MS 107-200 14,5 cm / 5¾”



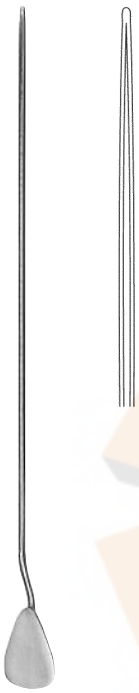
NELATON

MS 107-201 16,0 cm / 6¼”



BRODIE

MS 107-210 20,0 cm / 8”



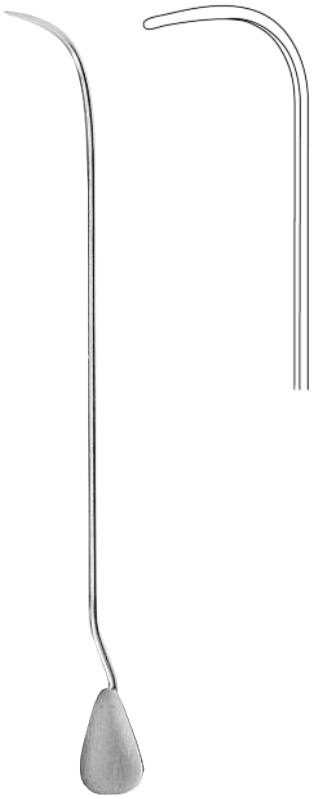
LOCKHARD-MUMMERY

MS 107-211 16,5 cm / 6½”

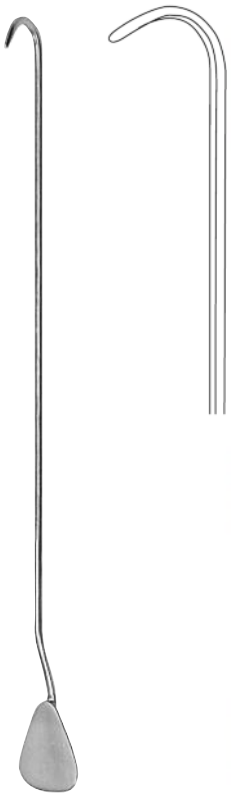


LOCKHARD-MUMMERY

MS 107-212 16,5 cm / 6½”



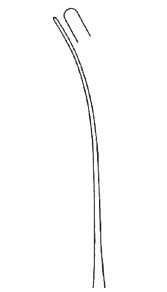
LOCKHARD-MUMMERY
MS 107-213 16,5 cm / 6½”



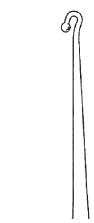
LOCKHARD-MUMMERY
MS 107-214 16,5 cm / 6½”



VARADY
18,0 cm / 7”



MS 107-220



MS 107-221



MS 107-222



MS 107-223



MS 107-224



MS 107-225















NABATOFF

MS 107-240
komple set
complete

MS 107-241 135x100x25 mm
Metal Kutu
Metal case



MS 107-243
Ø 3,0 mm

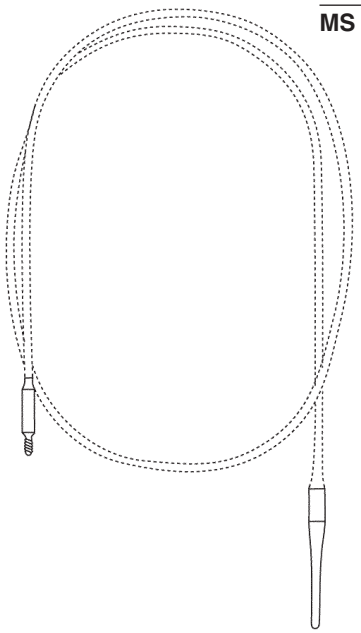


MS 107-244
Ø 6,0 mm

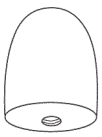


MS 107-245
Ø 9,0 mm

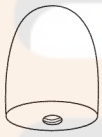
MS 107-249



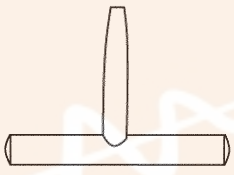
MS 107-242
plastik prob ucu
Plastic probe tip



MS 107-246
Ø 12,0 mm



MS 107-247
Ø 15,0 mm



MS 107-248



VOLLMAR
50,0 cm / 19¾”



MS 107-260
Ø 2,0 mm



MS 107-261
Ø 3,0 mm



MS 107-262
Ø 4,0 mm



MS 107-263
Ø 6,0 mm



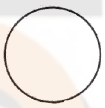
MS 107-264
Ø 7,0 mm



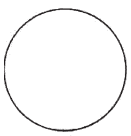
MS 107-265
Ø 8,0 mm



MS 107-266
Ø 10,0 mm



MS 107-267
Ø 12,0 mm



MS 107-268
Ø 14,0 mm



MS 107-280 12,0 cm / 4⅗”



JOBSON-HORNE

MS 107-290	18,0 cm / 7”	



UCKERMANN

MS 107-291	16,0 cm / 6¼”	



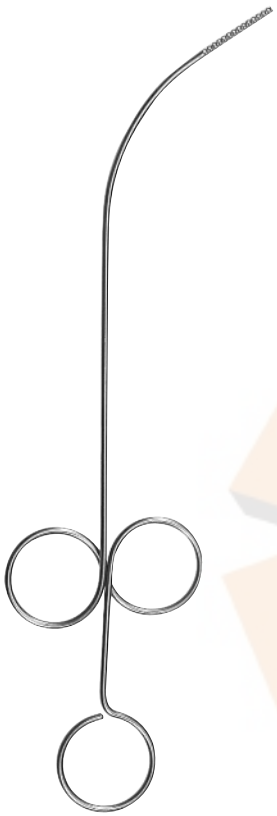
FARRELL

MS 107-292	Ø 0,9 mm	12,0 cm / 4¾”
MS 107-293	Ø 0,9 mm	14,0 cm / 5½”
MS 107-294	Ø 1,1 mm	16,5 cm / 6½”
MS 107-295	Ø 1,2 mm	18,0 cm / 7”



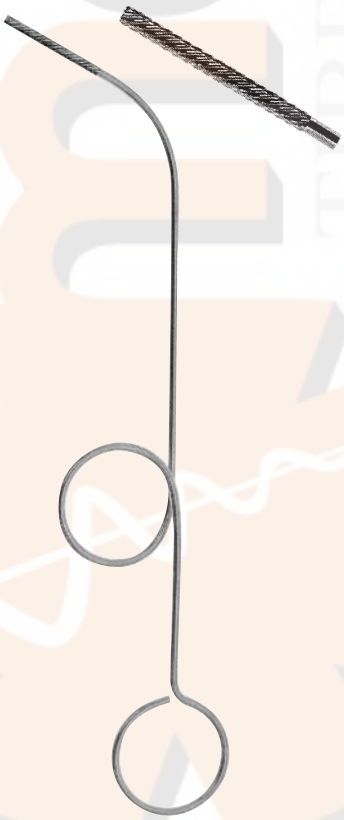
FARRELL

MS 107-300	Ø 0,9 mm	12,0 cm / 4¾”
MS 107-301	Ø 0,9 mm	14,0 cm / 5½”
MS 107-302	Ø 1,1 mm	16,5 cm / 6½”
MS 107-303	Ø 1,2 mm	18,0 cm / 7”



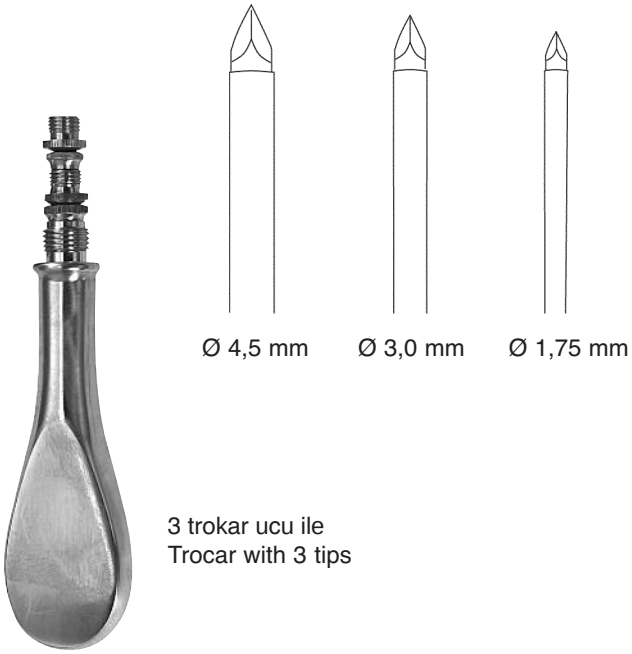
FEIN

MS 107-310	28,0 cm / 11”	



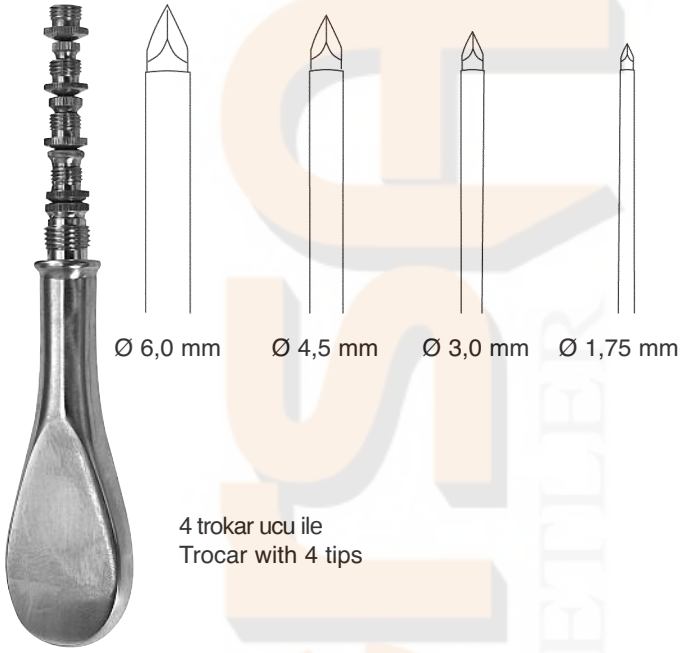
PELTESON

MS 107-311	23,0 cm / 9”	



3 trokar ucu ile
Trocar with 3 tips

UNIVERSAL
MS 107-320



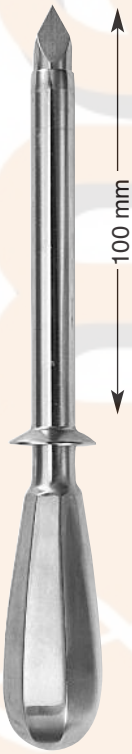
4 trokar ucu ile
Trocar with 4 tips

UNIVERSAL
MS 107-321



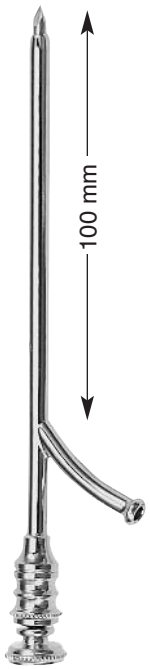
STANDART

MS 107-330	Ø 3,0 mm
MS 107-331	Ø 3,5 mm
MS 107-332	Ø 4,0 mm
MS 107-333	Ø 4,5 mm
MS 107-334	Ø 5,0 mm
MS 107-335	Ø 5,5 mm
MS 107-336	Ø 6,0 mm



NELSON

MS 107-340	Ø 7,5 mm
MS 107-341	Ø 9,0 mm
MS 107-342	Ø 11,0 mm



OCHSNER

MS 107-350	Ø 4,0 mm
MS 107-351	Ø 5,5 mm
MS 107-352	Ø 6,5 mm



LICHTWITZ

MS 107-360	19,0 cm / 7½”



DOUGLAs

MS 107-361	Ø 3,0 mm



KRAUSE

MS 107-370	Ø 4,0 mm
MS 107-371	Ø 5,5 mm



PIERCE

MS 107-372	Ø 4,0 mm



BUELAU

MS 107-373	Ø 8,0 mm



Ø 2,0 mm

LANDAU

MS 107-380	16,0 cm / 6¼”	



Ø 2,3 mm

COAKLEY

MS 107-381	14,0 cm / 5¼”	



Ø 4,0 mm

ADSON

MS 107-390	21,0 cm / 8¼”	



Ø 3,0 mm

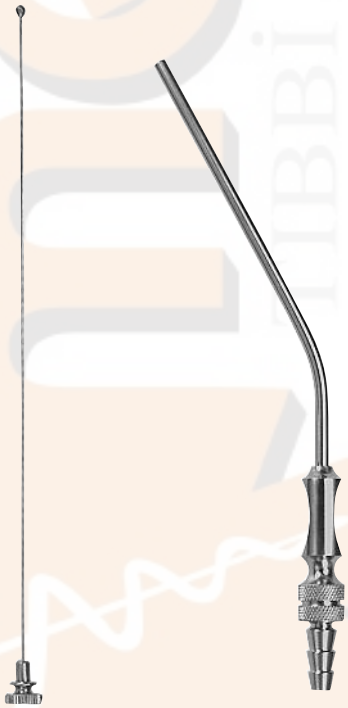
ADSON

MS 107-391	16,5 cm / 6½”	



FRAZIER

MS 107-392	Charr. 10	20,0 cm / 8”



FRAZIER

MS 107-400	Charr. 6	19,0 cm / 7½”
MS 107-401	Charr. 7	19,0 cm / 7½”
MS 107-402	Charr. 8	19,0 cm / 7½”
MS 107-403	Charr. 9	19,0 cm / 7½”
MS 107-404	Charr. 10	19,0 cm / 7½”
MS 107-405	Charr. 11	19,0 cm / 7½”
MS 107-406	Charr. 12	19,0 cm / 7½”



POPPEN

MS 107-420	Charr. 6	13,0 cm / 5”
MS 107-421	Charr. 8	13,0 cm / 5”
MS 107-422	Charr. 10	13,0 cm / 5”
MS 107-423	Charr. 12	13,0 cm / 5”



PLESTER

MS 107-430	Ø 1,5 mm
MS 107-431	Ø 2,0 mm
MS 107-432	Ø 2,5 mm
MS 107-433	Ø 3,0 mm



LEMPERT

MS 107-440	Ø 2,0 mm	20,0 cm / 8”
MS 107-441	Ø 3,0 mm	20,0 cm / 8”



COGSWELL

MS 107-450 23,0 cm / 9”



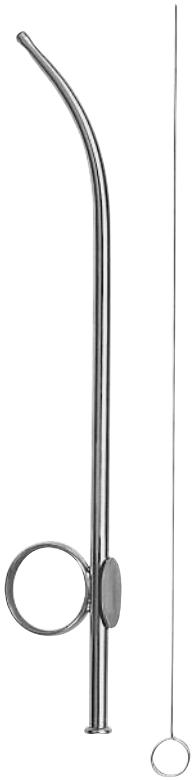
LANDOLT

MS 107-451 20,0 cm / 8”



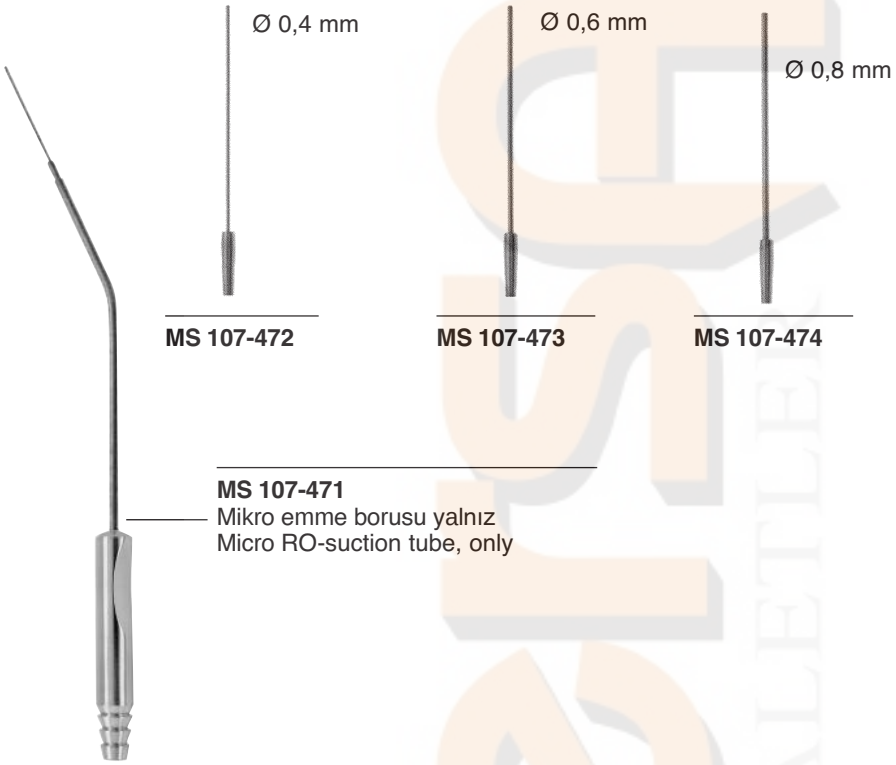
KILNER

MS 107-452 19,0 cm / 7½”



MAGILL

MS 107-460	Ø 3,0 mm	17,5 cm / 6⅝”
MS 107-461	Ø 3,5 mm	17,5 cm / 6⅝”
MS 107-462	Ø 4,0 mm	17,5 cm / 6⅝”



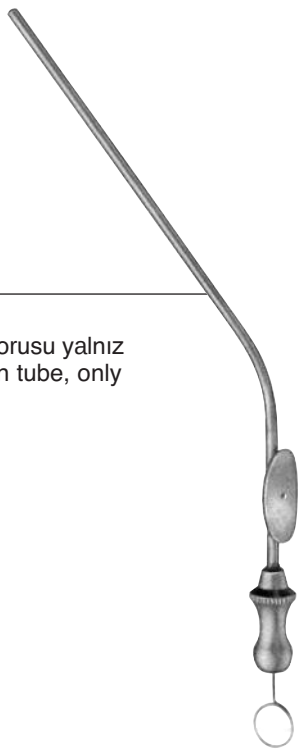
MS 107-472 **MS 107-473** **MS 107-474**

MS 107-471
Mikro emme borusu yalnız
Micro RO-suction tube, only

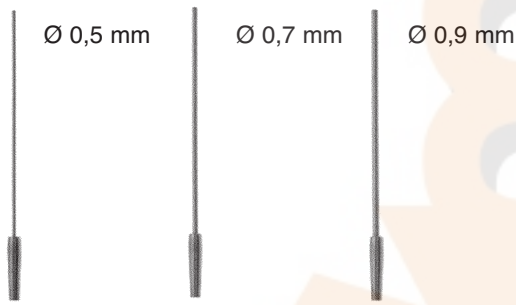
WULLSTEIN

MS 107-470 17,0 cm / 6¾”

Komple set, complete



MS 107-481
Mikro emme borusu yalnız
MICRO-suction tube, only



MS 107-482 **MS 107-483** **MS 107-484**

BELLUCCI

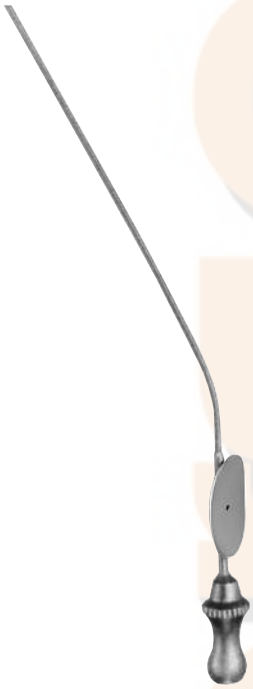
MS 107-480 15,5 cm / 6”

Komple set, complete



SCHUKNECHT

MS 107-490	Ø 0,5 mm	13,0 cm / 5⅛”
MS 107-491	Ø 0,9 mm	13,0 cm / 5⅛”



BARRON

MS 107-500	Ø 1,0 mm	10,0 cm / 4”
MS 107-501	Ø 2,3 mm	10,0 cm / 4”



ZÖLLNER

MS 107-505	18,0 cm / 7”



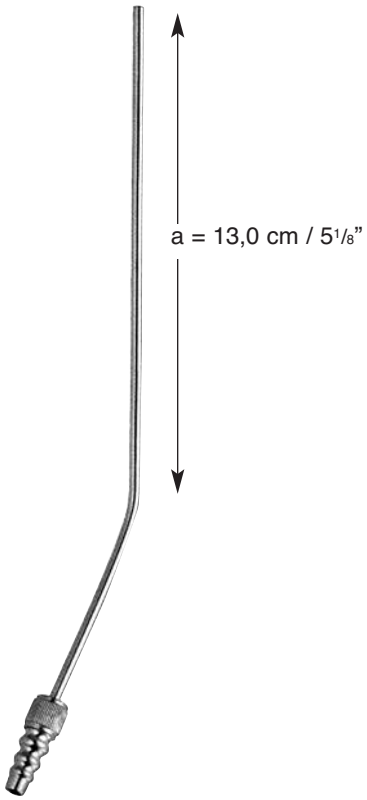
ZÖLLNER

MS 107-506	Ø 0,5 mm
MS 107-507	Ø 0,7 mm
MS 107-508	Ø 0,9 mm
MS 107-509	Ø 1,2 mm



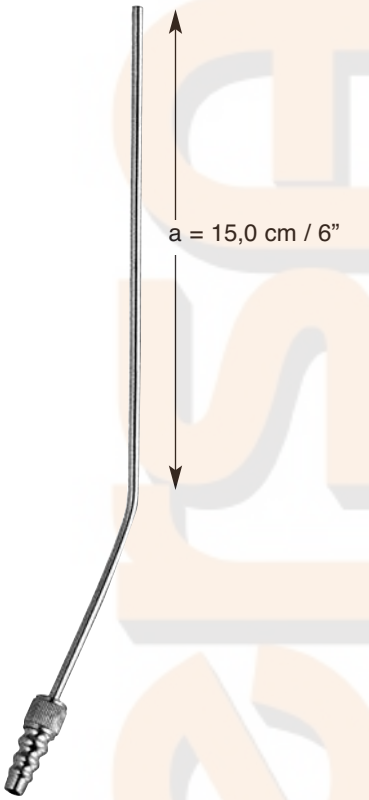
HOUSE

MS 107-520	Ø 0,9 mm/0,7 mm
MS 107-521	Ø 1,2 mm/0,9 mm
MS 107-522	Ø 1,5 mm/1,2 mm



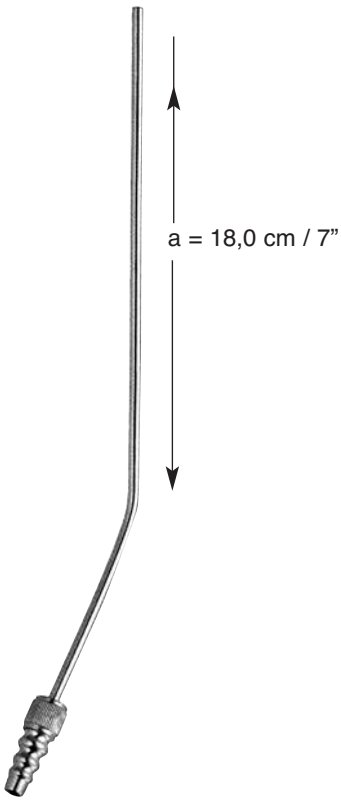
YASARGIL

MS 107-530	Ø 1,5 mm
MS 107-531	Ø 2,0 mm
MS 107-532	Ø 2,5 mm
MS 107-533	Ø 3,5 mm



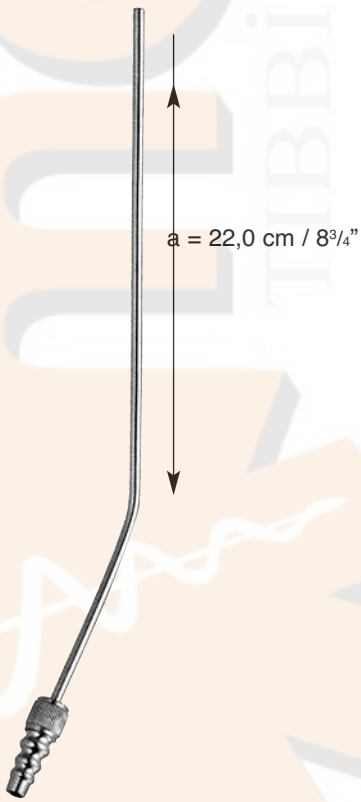
YASARGIL

MS 107-540	Ø 1,5 mm
MS 107-541	Ø 2,0 mm
MS 107-542	Ø 2,5 mm
MS 107-543	Ø 3,5 mm



YASARGIL

MS 107-550	Ø 1,5 mm
MS 107-551	Ø 2,0 mm
MS 107-552	Ø 2,5 mm
MS 107-553	Ø 3,5 mm



YASARGIL

MS 107-560	Ø 1,5 mm
MS 107-561	Ø 2,0 mm
MS 107-562	Ø 2,5 mm
MS 107-563	Ø 3,5 mm



YANKAUER

MS 107-570 27,0 cm / 10¾”



YANKAUER

MS 107-571 28,5 cm / 11¼”



ANDREW -PYNCHON

MS 107-572 24,0 cm / 9½”



POOLE

MS 107-580 22,0 cm / 8⅝”



POOLE

MS 107-581 22,0 cm / 8⅝”

Ø 8,0 mm



COOLEY

MS 107-590 35,0 cm / 13¾”

Ø 7,0 mm



COOLEY

MS 107-591 30,0 cm / 11¾”

Ø 3,5 mm



MS 107-594 Ø 3,5 mm

Ø 10,0 mm



COOLEY

MS 107-592 31,0 cm / 11¾”

Ø 8,0 mm



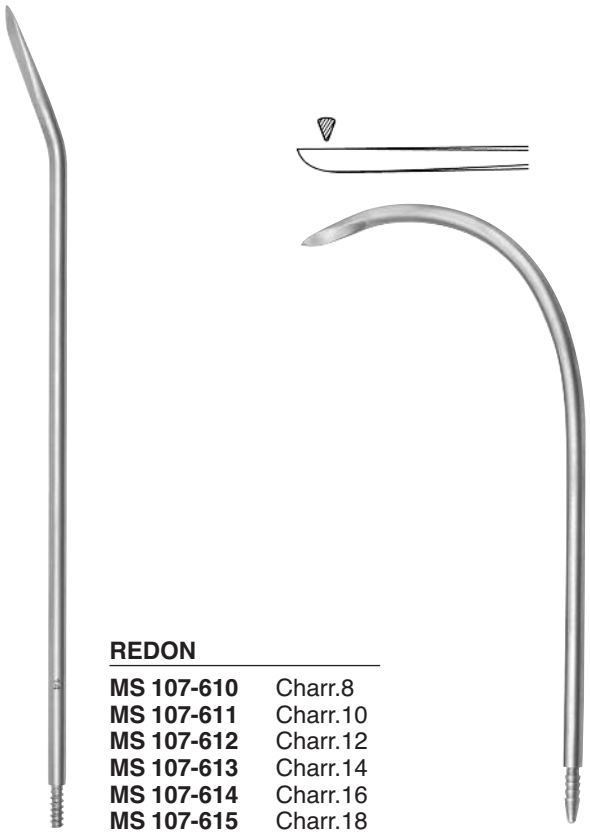
COOLEY

MS 107-593 33,0 cm / 13”



COUPLAND

MS 107-595 17,0 cm / 6¾”



REDON

MS 107-610	Charr.8
MS 107-611	Charr.10
MS 107-612	Charr.12
MS 107-613	Charr.14
MS 107-614	Charr.16
MS 107-615	Charr.18



REDON

MS 107-620	Charr.8
MS 107-621	Charr.10
MS 107-622	Charr.12
MS 107-623	Charr.14
MS 107-624	Charr.16
MS 107-625	Charr.18



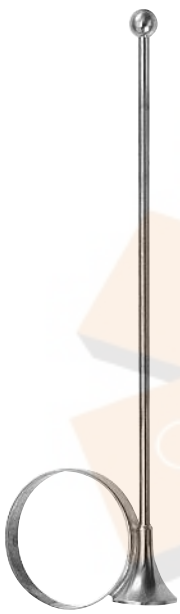
REDON

MS 107-630	Charr.8
MS 107-631	Charr.10
MS 107-632	Charr.12
MS 107-633	Charr.14
MS 107-634	Charr.16
MS 107-635	Charr.18



REDON

MS 107-640	Charr.8
MS 107-641	Charr.10
MS 107-642	Charr.12
MS 107-643	Charr.14
MS 107-644	Charr.16
MS 107-645	Charr.18



IOWA

MS 107-650 14,0 cm / 5¼”

MS 107-651



MS 107-660	Ø 1,20x80 mm
MS 107-661	Ø 1,50x80 mm



MENGHINI

MS 107-670	Ø 1,00x 35 mm
MS 107-671	Ø 1,00x 70 mm
MS 107-672	Ø 1,20x 70 mm
MS 107-673	Ø 1,20x100 mm
MS 107-674	Ø 1,40x 70 mm
MS 107-675	Ø 1,40x100 mm
MS 107-676	Ø 1,60x 70 mm
MS 107-677	Ø 1,60x100 mm



QUINKE

MS 107-690	Ø 1,20x 76 mm
MS 107-691	Ø 1,20x 89 mm
MS 107-692	Ø 1,00x 76 mm
MS 107-693	Ø 1,00x 89 mm
MS 107-694	Ø 0,70x 76 mm
MS 107-695	Ø 0,70x 89 mm



MENGHINI

MS 107-710	Ø 1,40x168 mm
MS 107-711	Ø 1,80x168 mm



TUOHY

MS 107-720	Ø 1,20x76 mm
MS 107-721	Ø 1,40x76 mm
MS 107-722	Ø 1,60x76 mm



BIER

MS 107-730	Ø 1,4x80 mm
MS 107-731	Ø 1,6x80 mm
MS 107-732	Ø 1,8x80 mm
MS 107-733	Ø 2,0x80 mm
MS 107-734	Ø 1,4x100 mm
MS 107-735	Ø 1,6x100 mm
MS 107-736	Ø 1,8x100 mm
MS 107-737	Ø 2,0x100 mm

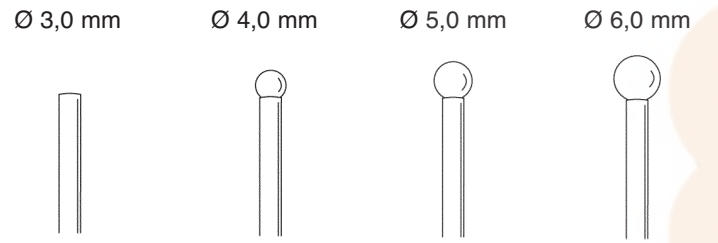


VERRE

MS 107-750	Ø 2,00x100 mm
MS 107-751	Ø 2,00x120 mm
MS 107-752	Ø 2,00x150 mm



SCHMID
15,0 cm / 6”



MS 107-760 **MS 107-761** **MS 107-762** **MS 107-763**



KLIMA-ROSSEGGER

MS 107-770 Ø 1,60x40 mm



MS 107-800



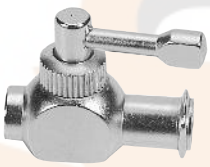
MS 107-801



MS 107-802 Ø 6 mm
MS 107-803 Ø 8 mm



MS 107-804



MS 107-805



MS 107-806



MS 107-807

mersa
TIBBİ ALETLER

108



KBB
ENT



WULLSTEIN



4,0 mm x 1,0 mm

MS 108-101



4,0 mm x 1,0 mm

MS 108-102



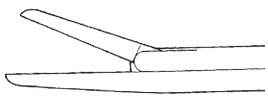
4,0 mm x 1,0 mm

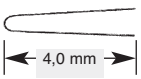
MS 108-103

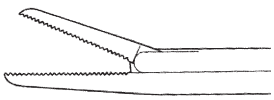


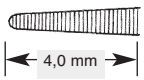
4,0 mm x 1,0 mm

MS 108-104













4,0 mm x 0,8 mm

MS 108-105



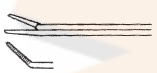
4,0 mm x 0,8 mm

MS 108-106



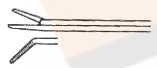
4,0 mm x 0,8 mm

MS 108-107



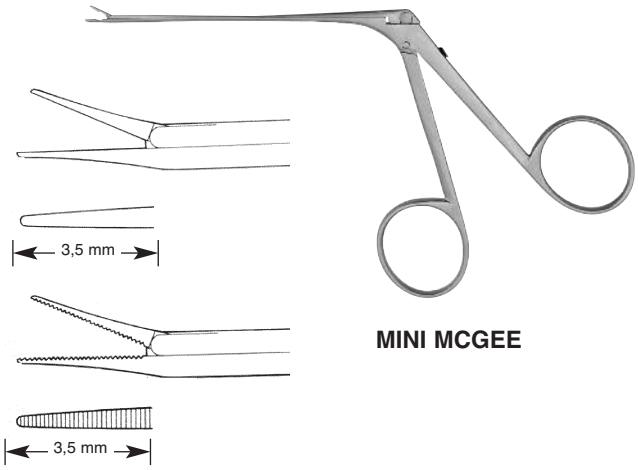
4,0 mm x 0,8 mm

MS 108-108



4,0 mm x 0,8 mm

MS 108-109



MINI MCGEE



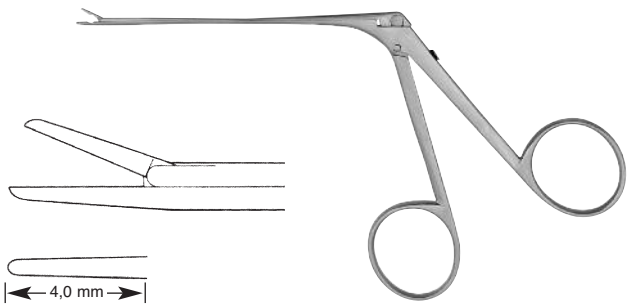
3,5 mm x 0,6 mm

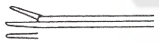
MS 108-110



3,5 mm x 0,6 mm

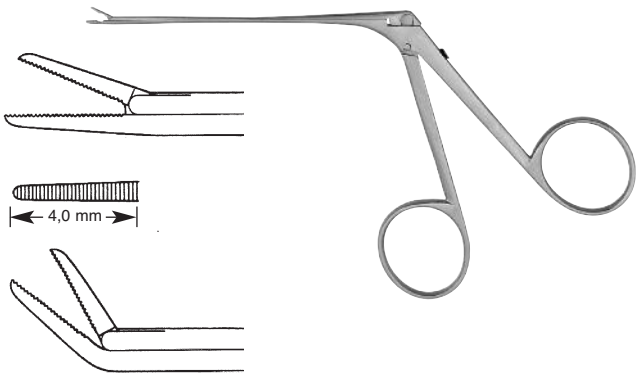
MS 108-111





4,0 mm x 0,6 mm

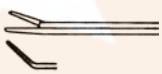
MS 108-112





4,0 x 0,6 mm

MS 108-113



4,0 x 0,6 mm

MS 108-114



4,0 x 0,6 mm

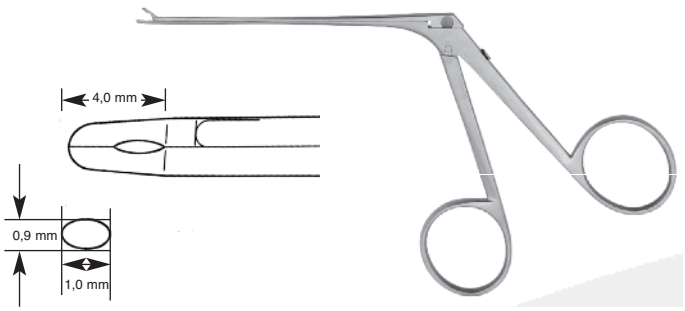
MS 108-115



4,0 x 0,6 mm

MS 108-116

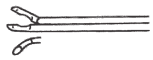
1,0 x 0,9 mm
cup



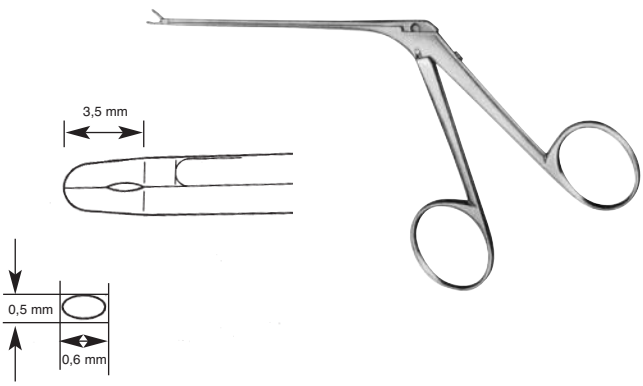

4,0 mm
MS 108-120

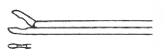

4,0 mm
MS 108-121


4,0 mm
MS 108-122

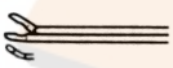

4,0 mm
MS 108-123

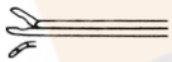
0,6 x 0,5 mm
cup

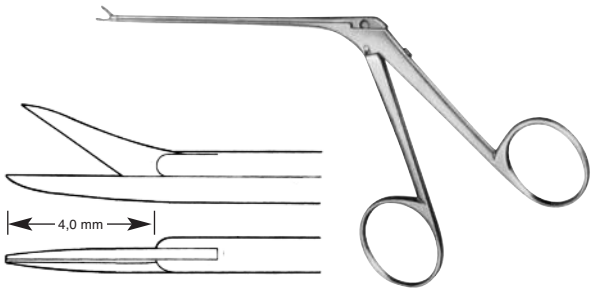



3,5 mm
MS 108-124


3,5 mm
MS 108-125


3,5 mm
MS 108-126


3,5 mm
MS 108-127



BELLUCCI



MS 108-140



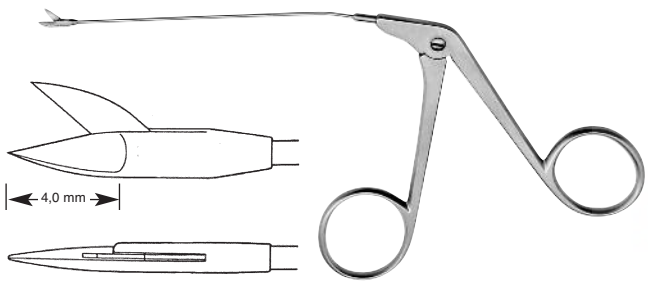
MS 108-141



MS 108-142



MS 108-143



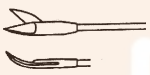
WULLSTEIN



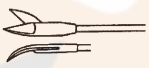
MS 108-144



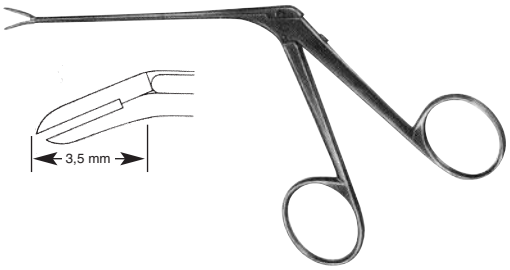
MS 108-145



MS 108-146



MS 108-147

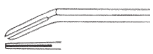


MC GEE



3,5 x 0,8 mm

MS 108-160



6,0 x 0,8 mm

MS 108-161



WULLSTEIN



MS 108-162



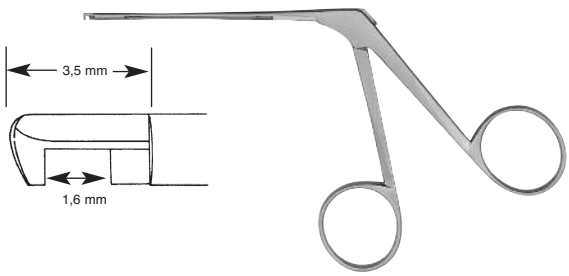
MS 108-163



MS 108-164



MS 108-165



HOUSE-DIETER



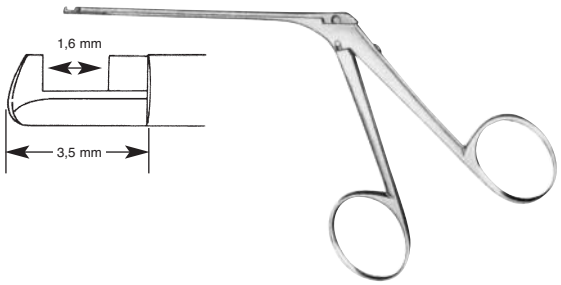
3,5 x 1,6 mm

MS 108-180

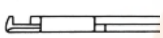


3,5 x 1,6 mm

MS 108-181

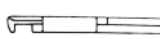


HOUSE-DIETER



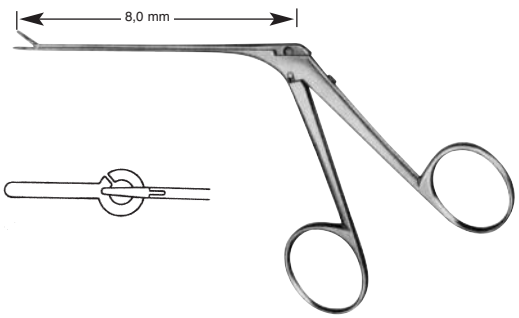
3,5 mm x 1,6 mm

MS 108-182



3,5 mm x 1,6 mm

MS 108-183



FULLER

MS 108-190



WULLSTEIN



MS 108-200



MS 108-201



MS 108-202



MS 108-203



SCHUKNECHT
MS 108-210 16,0 cm / 6¼"



SCHUKNECHT
MS 108-211 16,0 cm / 6¼"



WULLSTEIN
MS 108-212 16,0 cm / 6¼"



TABB
MS 108-213 16,0 cm / 6¼"



PLESTER
MS 108-214 16,0 cm / 6¼"



ROSEN
16,0 cm / 6¼"

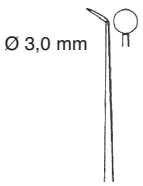


FIG. 1
MS 108-230

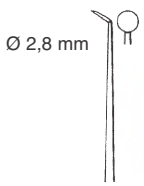


FIG. 2
MS 108-231

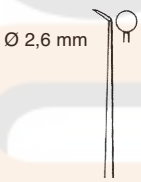


FIG. 3
MS 108-232

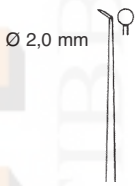


FIG. 4
MS 108-233

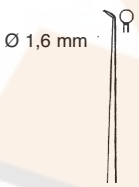


FIG. 5
MS 108-234

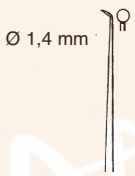


FIG. 6
MS 108-235

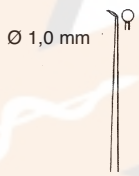


FIG. 7
MS 108-236



BARBARA
MS 108-240



BARBARA
MS 108-241



BARBARA
MS 108-242



ROSEN
MS 108-243



16,0 cm / 6¼"



BARBARA

MS 108-250	0,3 mm
MS 108-251	0,6 mm
MS 108-252	1,0 mm



BARBARA

MS 108-253	0,3 mm
MS 108-254	0,6 mm
MS 108-255	1,0 mm
MS 108-256	1,2 mm
MS 108-257	1,5 mm
MS 108-258	2,0 mm
MS 108-259	2,5 mm



BARBARA

MS 108-270	0,3 mm
MS 108-271	0,6 mm
MS 108-272	1,0 mm
MS 108-273	1,2 mm
MS 108-274	1,5 mm
MS 108-275	2,0 mm
MS 108-276	2,5 mm



BARBARA

MS 108-290	0,5 mm
MS 108-291	1,0 mm



MS 108-300	0,3 mm
MS 108-301	0,6 mm
MS 108-302	1,0 mm



MS 108-303	0,3 mm
MS 108-304	0,6 mm
MS 108-305	0,1 mm



MC GEE

MS 108-310	0,5 mm
MS 108-311	1,0 mm



15,5 cm / 6"



MC GEE

MS 108-312	0,5 mm
MS 108-313	1,0 mm



BARBARA

MS 108-320

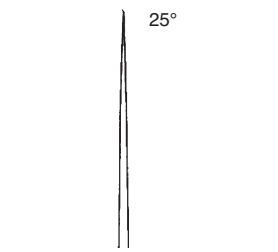


ROSEN

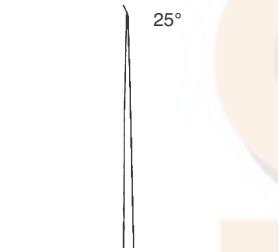
MS 108-321



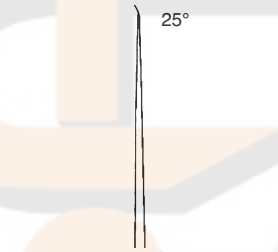
15,5 cm / 6"



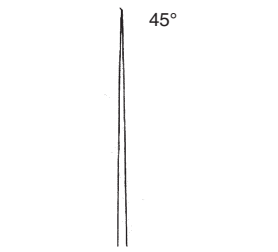
MS 108-330 0,3 mm



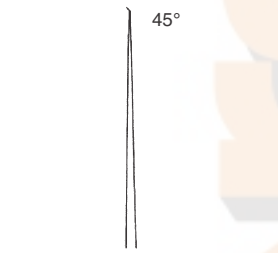
MS 108-331 0,6 mm



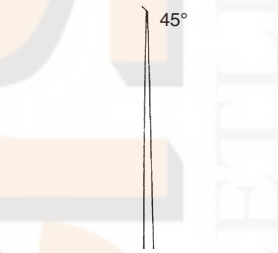
MS 108-332 1,0 mm



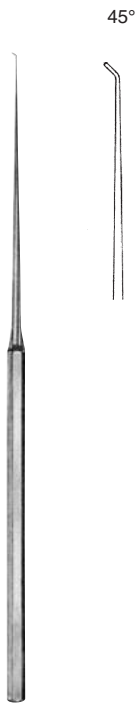
MS 108-333 0,3 mm



MS 108-334 0,6 mm



MS 108-335 1,0 mm



SHEA

MS 108-340 2,0 mm



AUSTIN

MS 108-341 3,0 mm



FISCH
15,5 cm / 6"



MS 108-350



MS 108-351



MS 108-352



MS 108-353



ROSEN
MS 108-360 15,5 cm / 6"



HOUSE
15,5 cm / 6"



MS 108-361 3,5 mm



MS 108-362 4,0 mm



MS 108-363 4,5 mm



MS 108-364 5,0 mm



HOUSE
15,0 cm / 6"


1,0 mm

MS 108-370


1,5 mm

MS 108-371


1,2 mm


1,8 mm



HOUSE
15,0 cm / 6"


1,0 mm

MS 108-375


1,5 mm

MS 108-376


1,2 mm


1,8 mm



HARTMANN Fig. 0-2
MS 108-400 3,6 cm / 1½"

Fig. 0
MS 108-390 3,0 mm

Fig. 1
MS 108-391 4,0 mm

Fig. 2
MS 108-392 5,0 mm

Fig. 3
MS 108-393 6,0 mm

Fig. 4
MS 108-394 7,5 mm



HARTMANN Fig. 2-4
MS 108-401 3,6 cm / 1½"

HARTMANN Fig. 1-4
MS 108-402 3,6 cm / 1½"



TOYNBEE Fig. 2-4
MS 108-414 3,6 cm / 1½"

TOYNBEE Fig. 1-4
MS 108-415 3,6 cm / 1½"



FARRIOR Fig. 1-7
MS 108-428 3,6 cm / 1½"

Fig. 1
MS 108-410 4,0 mm

Fig. 2
MS 108-411 5,0 mm

Fig. 3
MS 108-412 6,0 mm

Fig. 4
MS 108-413 7,5 mm

Fig. 1
MS 108-420 5,5 mm

Fig. 2
MS 108-421 6,5 mm

Fig. 3
MS 108-422 7,5 mm

Fig. 4
MS 108-423 8,5 mm

Fig. 5
MS 108-424 9,5 mm

Fig. 6
MS 108-425 10,5 mm

Fig. 7
MS 108-426 11,5 mm



ZÖLLNER Fig. 1-6

MS 108-446 3,8 cm / 1½"

Fig. 1

MS 108-440 5,5 x 6,5 mm

Fig. 2

MS 108-441 6,5 x 7,5 mm

Fig. 3

MS 108-442 7,5 x 8,5 mm

Fig. 4

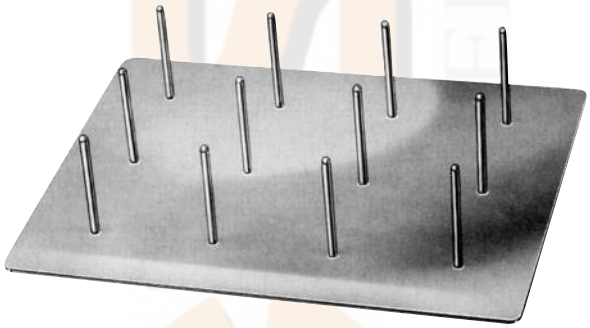
MS 108-443 8,5 x 9,5 mm

Fig. 5

MS 108-444 9,5 x 10,5 mm

Fig. 6

MS 108-445 10,5 x 11,5 mm



MS 108-450



BOUCHERON Fig. 1-4

MS 108-460

Fig. 1

MS 108-451 4,2 mm

Fig. 2

MS 108-452 5,2 mm

Fig. 3

MS 108-453 6,2 mm

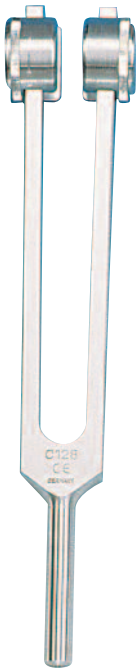
Fig. 4

MS 108-454 7,2 mm

ALUMINIUM

MS 108-480

Komple Set, complete (MS 108-470, MS 108-474)



ALUMINIUM

MS 108-470 c128



ALUMINIUM

MS 108-471 C256



ALUMINIUM

MS 108-472 C512



ALUMINIUM

MS 108-473 C1024



ALUMINIUM

MS 108-474 C2048



HARTMANN

MS 108-481 c128



HARTMANN

MS 108-482 $c^1$256



HARTMANN

MS 108-483 $c^2$512



HARTMANN

MS 108-484 $c^3$1024



HARTMANN

MS 108-485 $c^4$2048



HARTMANN

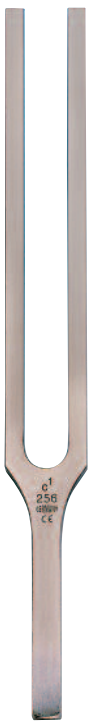
MS 108-500

Komple Set, complete (MS 108-481, MS 108-485)



HARTMANN

MS 108-510 c128



HARTMANN

MS 108-511 $c^1$256



HARTMANN

MS 108-512 $c^5$4096



HARTMANN

MS 108-513 C64



LUCAE
MS 108-520 c128



LUCAE
MS 108-521 c1256



LUCAE
MS 108-522 c2512



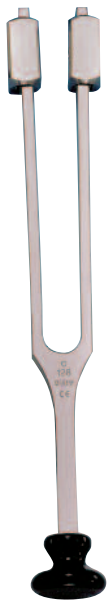
LUCAE
MS 108-523 c31024



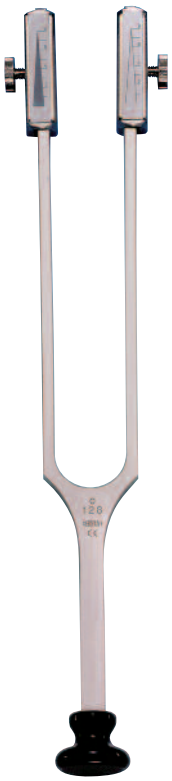
LUCAE
MS 108-524 c42048



LUCAE
MS 108-525 c54096



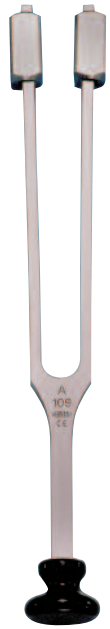
LUCAE
MS 108-526 c128



RYDEL-SEIFFERT
MS 108-530 C64/c128



NEURO
MS 108-535



KÖNIG

MS 108-536 A109



MS 108-537 a¹440



MS 108-541

BARANY

MS 108-540



Fig. 1
MS 108-560

Fig. 2
MS 108-561

Fig. 3
MS 108-562

HARTMANN
15,0 cm / 6"



KRAUSE
MS 108-570 18,5 cm / 7¼"



KRAUSE-VOSS
MS 108-571 18,5 cm / 7¼"



	7,5 cm
MS 108-580	Ø 0,20 mm
MS 108-581	Ø 0,25 mm
MS 108-582	Ø 0,30 mm



TROELTSCH (WILDE)

MS 108-590 12,0 cm / 4¾"

1x2



TROELTSCH (WILDE)

MS 108-592 12,0 cm / 4¾"



LUCAE

MS 108-600 14,0 cm / 5½"

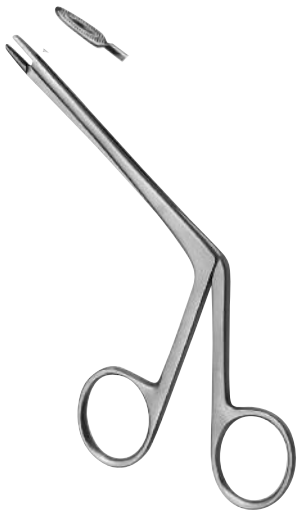


LUCAE

MS 108-601 16,0 cm / 6¼"



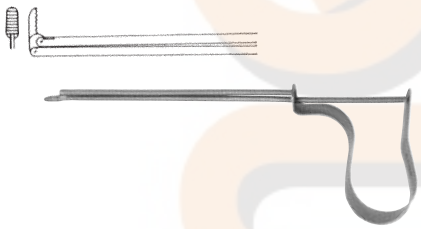
TILLEY
MS 108-610 14,0 cm / 5½"



LITTAUER
MS 108-611 12,0 cm / 4¾"



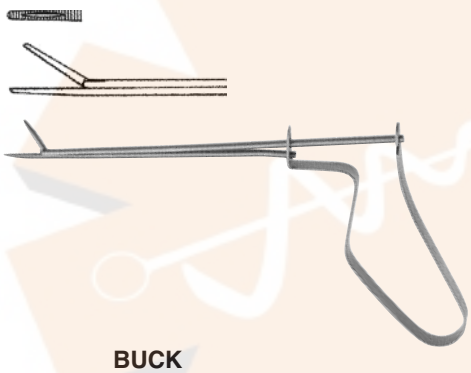
HARTMANN
MS 108-612 12,0 cm / 4¾"



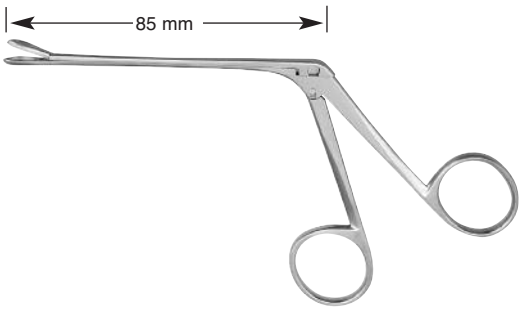
QUIRE
MS 108-620 10,0 cm / 4⅜"



HARTMANN
MS 108-613 14,0 cm / 5½"

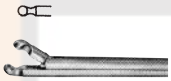


BUCK
MS 108-621 11,0 cm / 4⅜"





HARTMANN-WULLSTEIN
MS 108-630 8,5 cm



HARTMANN-WULLSTEIN
MS 108-631 Ø 1,0 mm/ 8,5 cm



HARTMANN
MS 108-632 8,5 cm

HARTMANN
MS 108-633 14,0 cm / 5½"

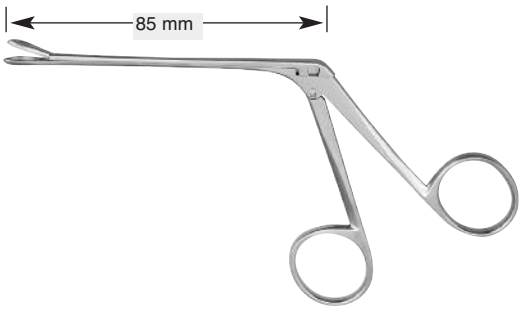
1x2



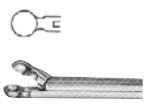
HARTMANN
MS 108-635 8,5 cm

HARTMANN
MS 108-636 14,0 cm / 5½"

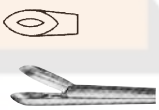
HARTMANN
MS 108-634 16,0 cm / 6¼"



ø 2,0 mm



HARTMANN
MS 108-640 8,5 cm / 3¼"

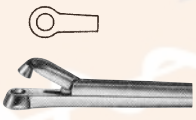


STRÜMPEL
MS 108-643 8,5 cm / 3¼"

ø 2,5 mm



MS 108-641 8,5 cm / 3¼"



HARTMANN-HOFFMANN
MS 108-644 8,5 cm / 3¼"

ø 3,0 mm



MS 108-642 8,5 cm / 3¼"



CITELLI
17,0 cm / 6¾"

MS 108-660 1,5 mm



MS 108-661 2,0 mm



MS 108-662 3,0 mm



1 mm keser
1 mm cut

BEYER
MS 108-670 14,0 cm / 5½"



2 mm keser
2 mm cut

BEYER
MS 108-671 19,0 cm / 7½"



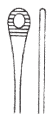
künt
blunt

LANGENBECK

MS 108-680 13,0 cm / 5"



SHAPLEIGH
15,0 cm / 6"



MS 108-681



MS 108-682



düz künt
straigt blunt



FIG. 00
MS 108-690



FIG. 0
MS 108-691



FIG. 1
MS 108-692

FIG. 2
MS 108-693



FIG. 3
MS 108-694



FIG. 4
MS 108-695



FIG. 5
MS 108-696



BUCK



düz sivri
straigt sharp



FIG. 00
MS 108-700



FIG. 0
MS 108-701



FIG. 1
MS 108-702

FIG. 2
MS 108-703



FIG. 3
MS 108-704



FIG. 4
MS 108-705



FIG. 5
MS 108-706



BUCK



eğri künt
curved blunt



FIG. 00
MS 108-710



FIG. 0
MS 108-711



FIG. 1
MS 108-712



FIG. 2
MS 108-713



FIG. 3
MS 108-714



FIG. 4
MS 108-715



FIG. 5
MS 108-716



eğri sivri
curved sharp



FIG. 00
MS 108-720



FIG. 0
MS 108-721



FIG. 1
MS 108-722



FIG. 2
MS 108-723



FIG. 3
MS 108-724



FIG. 4
MS 108-725



FIG. 5
MS 108-726



JANSEN
MS 108-730 15,0 cm / 6"



GROSS
MS 108-731 12,0 cm / 4¾"



küçük
small



MS 108-732

orta
medium



MS 108-733

büyük
large



MS 108-734

BILLEAU
16,0 cm / 6¼"





Fig.0
MS 108-740



Fig.1
MS 108-741

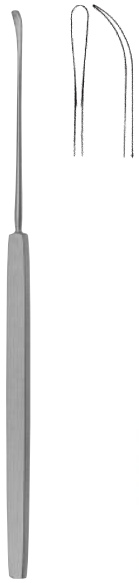


Fig.2
MS 108-742

WEBER-LOCH
14,5 cm / 5¾"



MOLDENHAUER
MS 108-750 16,5 cm / 6½"



ZAUFAL
MS 108-751 16,0 cm / 6½"



HARTMANN
MS 108-752 16,0 cm / 6"





MS 108-760 MS 108-761 MS 108-762

LUCAE
14,0 cm / 5½"





MS 108-770 MS 108-771

DAY
16,0 cm / 6¾"





FIG. 1 **MS 108-780**
FIG. 2 **MS 108-781**
FIG. 3 **MS 108-782**
FIG. 4 **MS 108-783**

WAGENER
14,0 cm / 5½"



POLITZER
MS 108-790 16,0 cm / 6½"



POLITZER
MS 108-791 16,0 cm / 6¼"



POLITZER
MS 108-792 15,0 cm / 6"



POLITZER
MS 108-793 18,0 cm / 7"



LUCAE
MS 108-794 18,0 cm / 7"



LUCAE
MS 108-795 18,0 cm / 7"



LEMPERT
MS 108-810 20,5 cm / 8"



LEMPERT
MS 108-811 18,0 cm / 7"



LEMPERT
20,0 cm / 8"



FIG. 0
MS 108-820



FIG. 00
MS 108-821



FIG. 1
MS 108-822



FIG. 2
MS 108-823



FIG. 3
MS 108-824

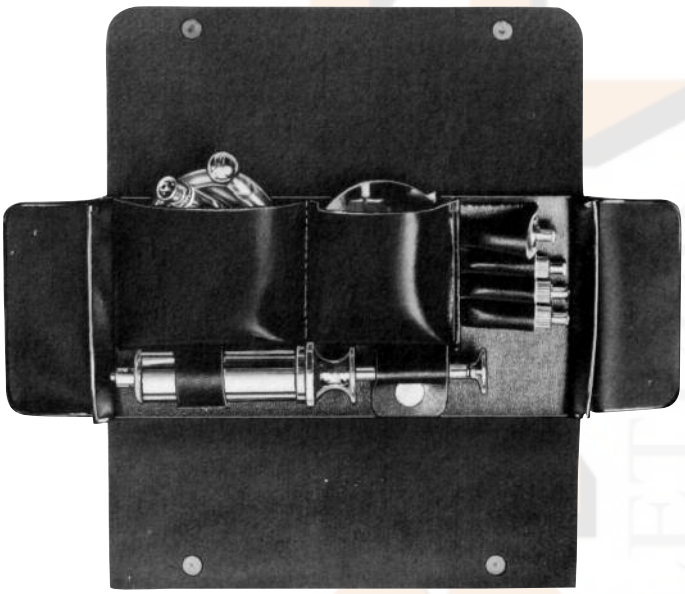




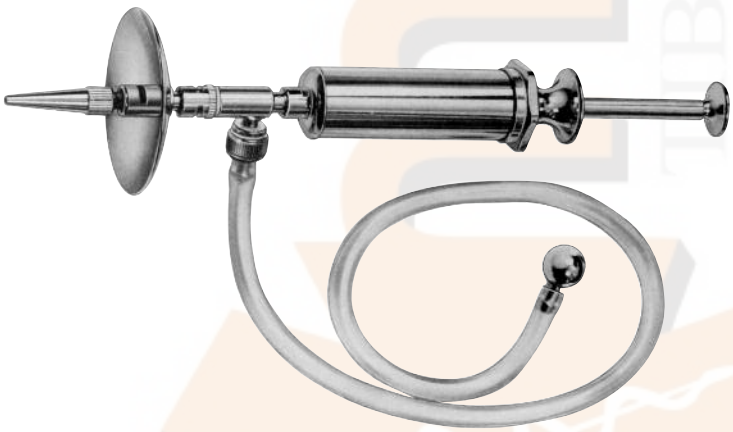




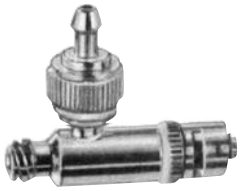
MS 108-840	50 ml
MS 108-841	75 ml
MS 108-842	100 ml
MS 108-843	150 ml



MS 108-850	10 ml



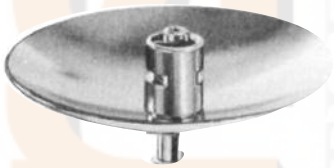
MS 108-855



MS 108-860



MS 108-861



MS 108-862



MS 108-863



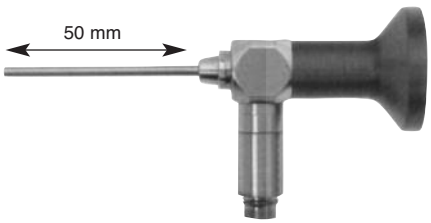
MS 108-864



MS 108-865

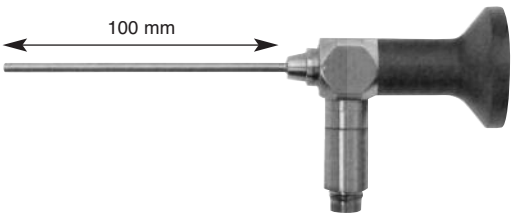


MS 108-866



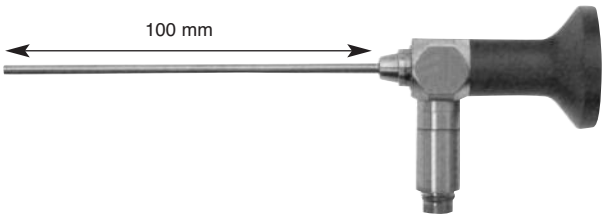
MS 108-880 Ø 4,0 x 50 mm

MS 108-881 Ø 4,0 x 50 mm



MS 108-882 Ø 2,7 x 100 mm

MS 108-883 Ø 2,7 x 100 mm



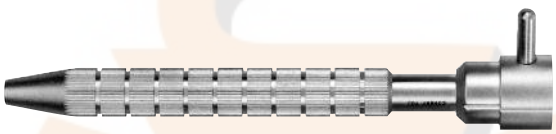
MS 108-884 Ø 1,9 x 100 mm

MS 108-885 Ø 1,9 x 100 mm



MS 108-890 10,0 cm / 4"

Yassı sap Ø 2,7 mm teleskop için
Flat handle for Ø 2,7 mm telescopes



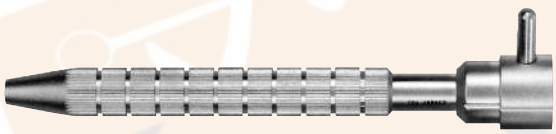
MS 108-891 10,0 cm / 4"

Yuvarlak sap Ø 2,7 mm teleskop için
Round handle for Ø 2,7 mm telescopes



MS 108-892 10,0 cm / 4"

Yassı sap Ø 4,0 mm teleskop için
Flat handle for Ø 4,0 mm telescopes



MS 108-893 10,0 cm / 4"

Yuvarlak sap Ø 4,0 mm teleskop için
Round handle for Ø 4,0 mm telescopes

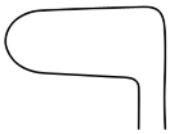


Fig.1
MS 108-950 21,0 x 9,5 mm

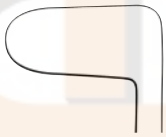


Fig.2
MS 108-951 21,0 x 10,5 mm



GOLDSMITH (THUDICHUM)
6,5 cm / 2½"

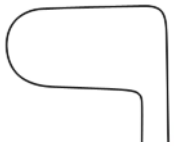


Fig.3
MS 108-952 21,0 x 11,5 mm

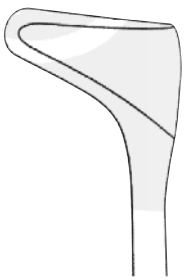


FIG. 1
MS 108-960



FIG. 2
MS 108-961



HARTMANN-HALLE
15,0 cm / 6"

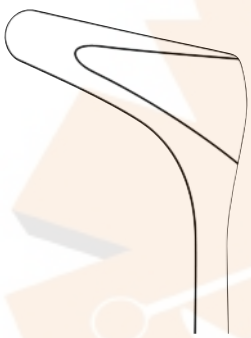


FIG. 3
MS 108-962



HARTMANN
15,0 cm / 6"

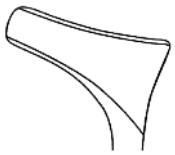


Fig.1
MS 108-970

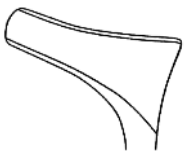


Fig.2
MS 108-971

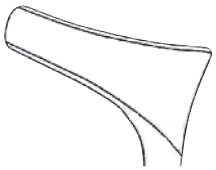


Fig.3
MS 108-972



MOD. WIEN
14,5 cm / 5¼"



Fig.1
MS 108-980



Fig.2
MS 108-981



Fig.3
MS 108-982



MOD. WIEN
MS 108-983 13,5 cm / 5¼"



TIECK-HALLE
13,0 cm / 5⅛"

Fig.1
MS 108-990

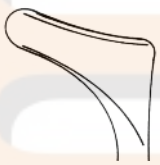


Fig.2
MS 108-991



KILIAN
13,0 cm / 5⅛"

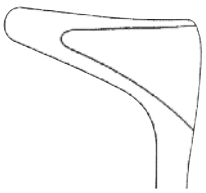


FIG. 1
MS 108-1000 35 mm

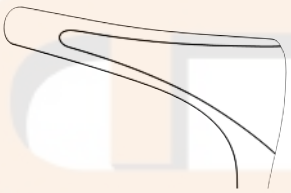


FIG. 2
MS 108-1001 50 mm

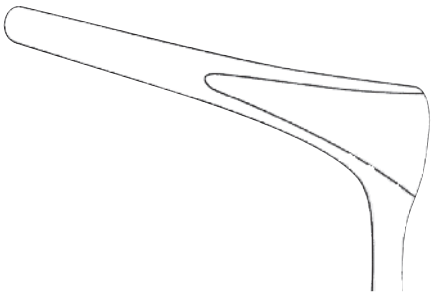


FIG. 3
MS 108-1002 75 mm



FIG. 5
MS 108-1003 90 mm



COTTLE
13,5 cm / 5¼"

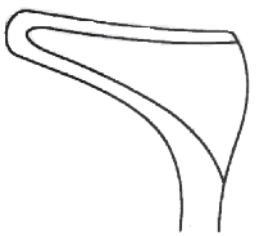


FIG. 1
MS 108-1010 35 mm



FIG. 2
MS 108-1011 50 mm

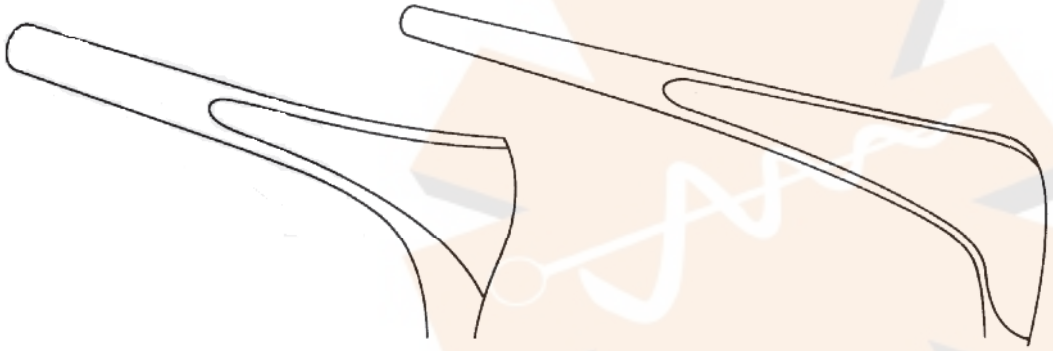
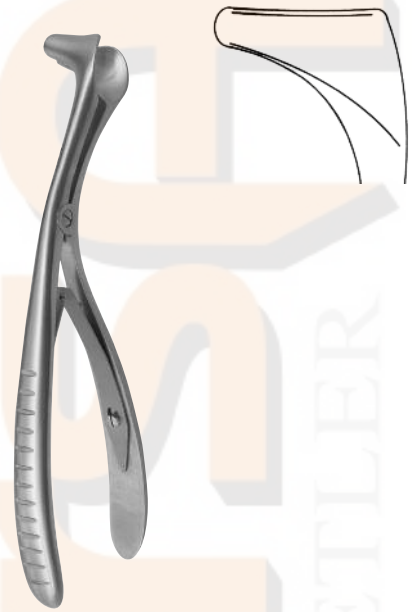


FIG. 3
MS 108-1012 75 mm

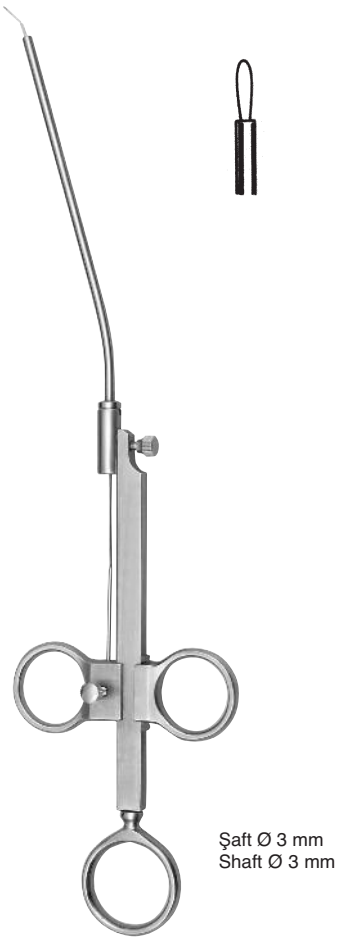
FIG. 4
MS 108-1013 90 mm



BECKMANN Fig.1
MS 108-1020 13,0 cm / 5⅛"



BECKMANN Fig.2
MS 108-1021 14,0 cm / 5”



KRAUSE
MS 108-1030 26,0 cm / 10¼"



KRAUSE-VOSS
MS 108-1031 26,0 cm / 10¼"



MS 108-1032 10,0 cm



TRÖLTSCH
MS 108-1040 15,0 cm / 6"



TRÖLTSCH
MS 108-1041 18,0 cm / 7"



JANSEN (GRÜNWALD)
MS 108-1042 18,0 cm / 7"
MS 108-1043 20,0 cm / 8"



WESTMACOTT
MS 108-1050 20,0 cm / 8"



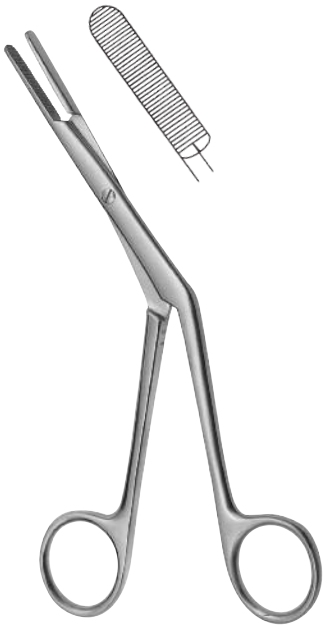
LUBET-BARBON
MS 108-1051 18,5 cm / 7¼"



HARTMANN
MS 108-1052 16,0 cm / 6¼"



HARTMANN
MS 108-1053 20,0 cm / 8"



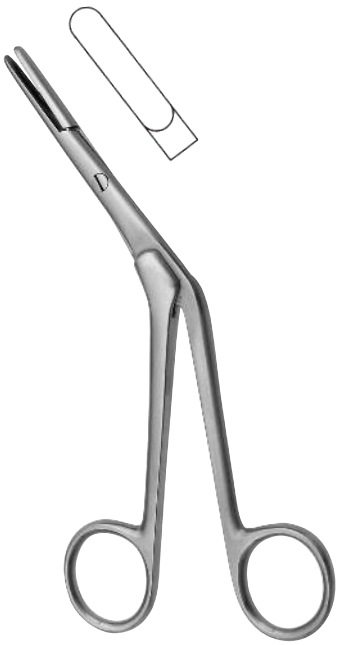
KILLIAN
MS 108-1054 17,0 cm / 6¾"



HEYMANN
MS 108-1055 18,0 cm / 7"



KNIGHT
MS 108-1056 18,0 cm / 7"



CRAIG
MS 108-1057 16,0 cm / 6¼"



16,0 cm / 6¼"

MS 108-1058



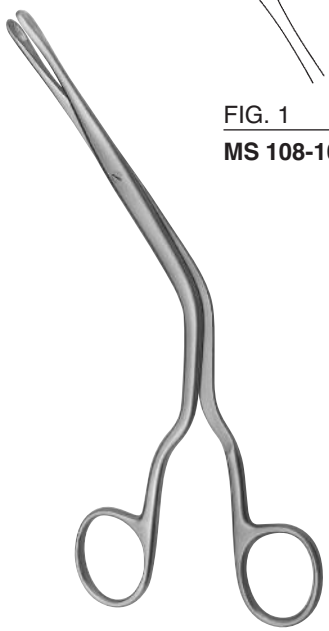
MS 108-1059



FIG. 1
MS 108-1070



FIG. 2
MS 108-1071



LUC
19,0 cm / 7½"



FIG. 1
MS 108-1072



FIG. 2
MS 108-1073

LUC
19,0 cm / 7½"



FIG. 1
MS 108-1074



FIG. 2
MS 108-1075

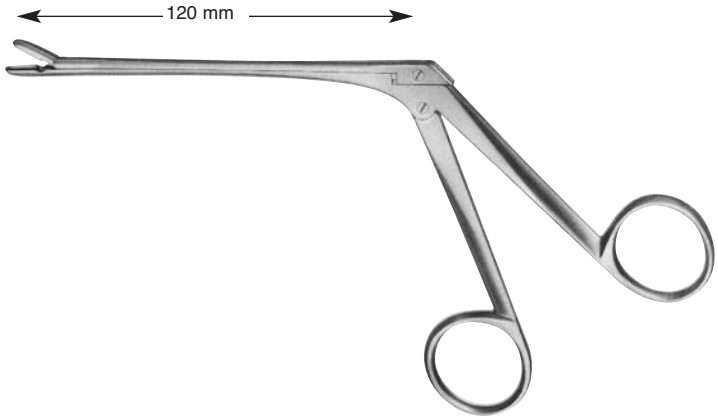


FIG. 3
MS 108-1076

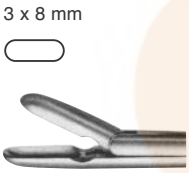


FIG. 4
MS 108-1077

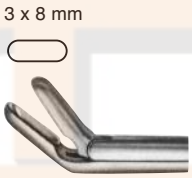
BRUENINGS
19,0 cm / 7½"



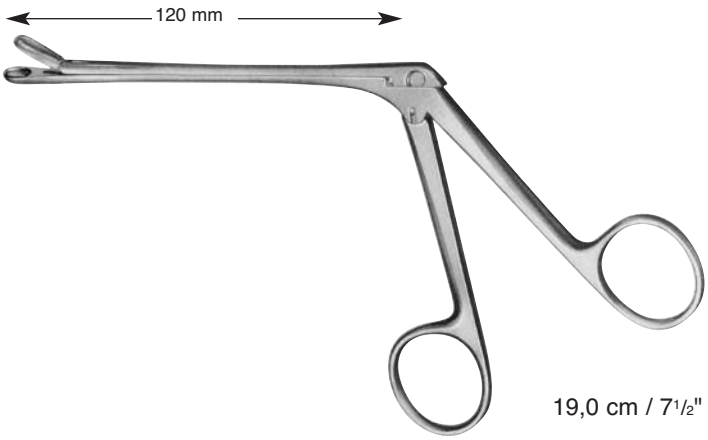
TAKAHASHI
19,0 cm / 7½"



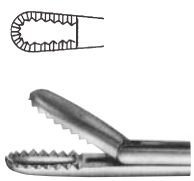
MS 108-1090



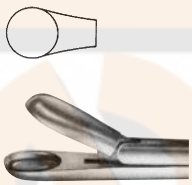
MS 108-1091



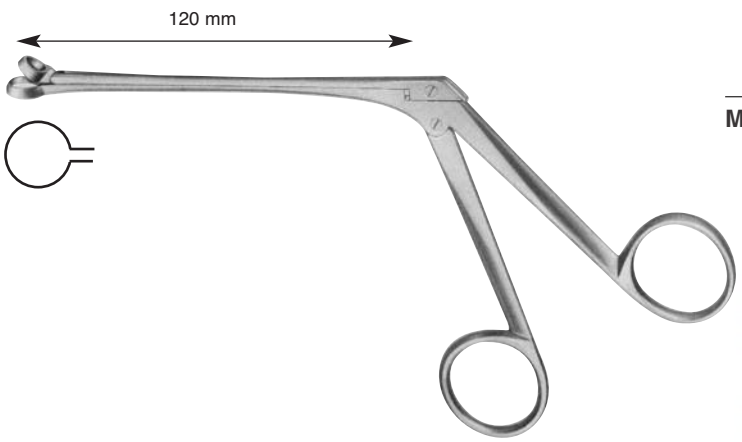
19,0 cm / 7½"



WATSON-WILLIAMS
MS 108-1100



MS 108-1101



HARTMANN
19,0 cm / 7½"



MS 108-1110 Ø 5 mm



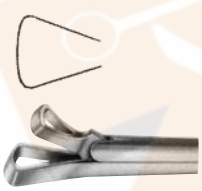
MS 108-1111 Ø 7 mm



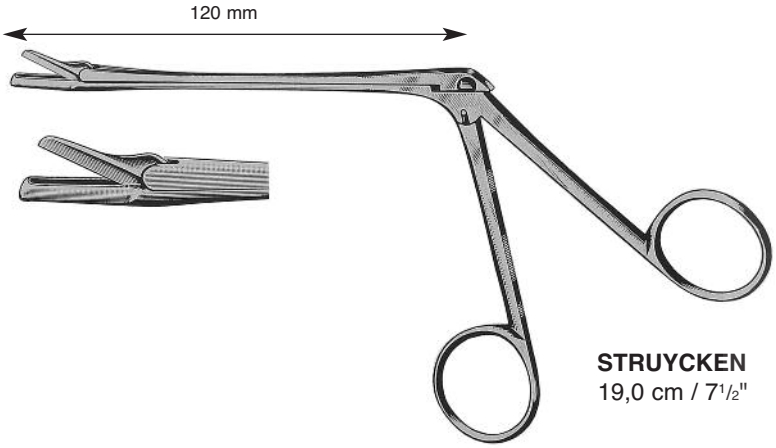
MS 108-1112 Ø 9 mm



MS 108-1113 Ø 11 mm



SCHMEDEN
MS 108-1120 19,0 cm / 7½"



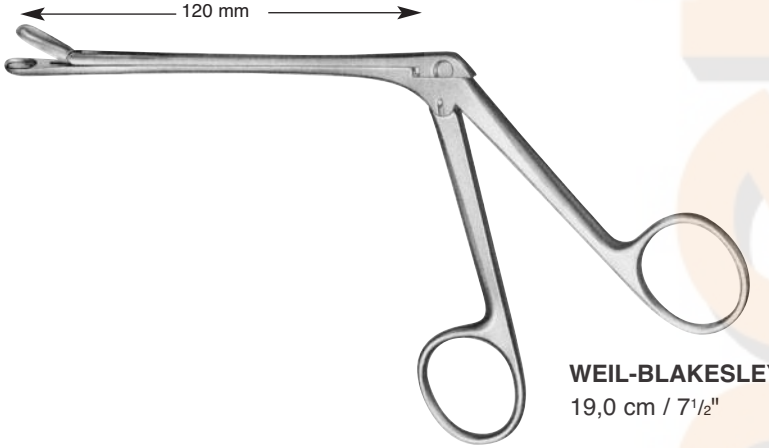
STRUYCKEN
19,0 cm / 7½"





FIG. 1
MS 108-1130

FIG. 2
MS 108-1131



WEIL-BLAKESLEY
19,0 cm / 7½"



FIG. 1
MS 108-1140

FIG. 2
MS 108-1141



FIG. 3
MS 108-1142



FIG. 4
MS 108-1143



FIG. 5
MS 108-1144





FIG. 1
MS 108-1150



FIG. 2
MS 108-1151



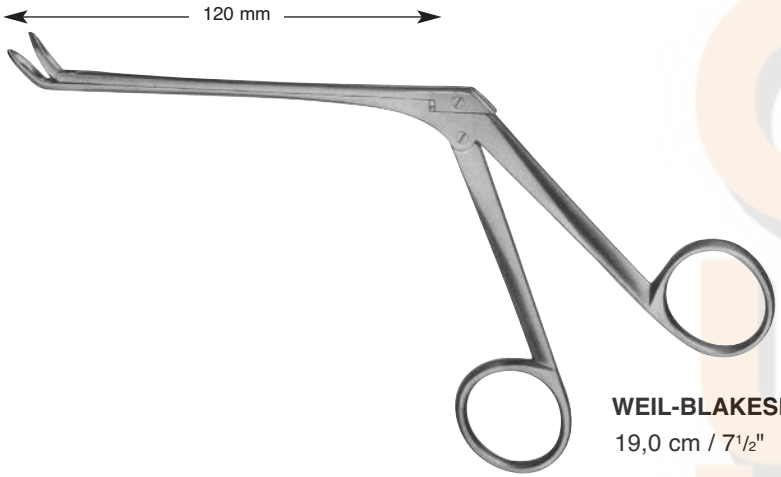
FIG. 3
MS 108-1152



FIG. 4
MS 108-1153



FIG. 5
MS 108-1154



WEIL-BLAKESLEY
19,0 cm / 7½"

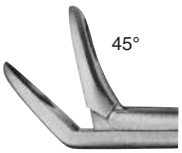
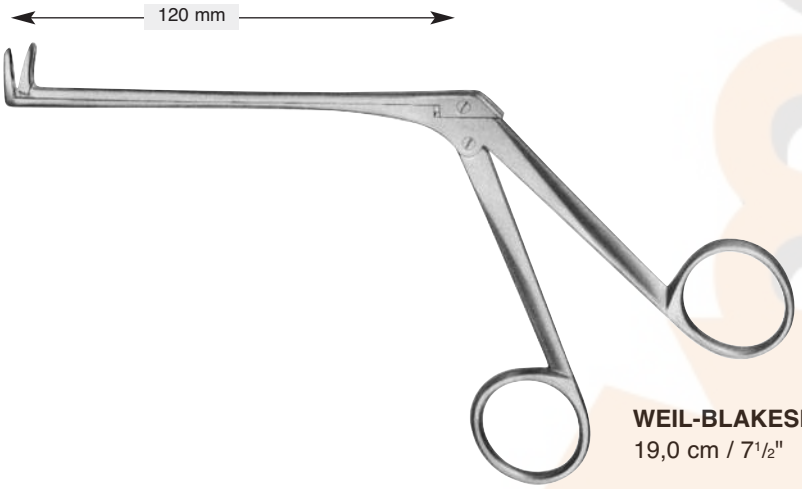


FIG. 1	FIG. 2	FIG. 3	FIG. 4
MS 108-1160	**MS 108-1161**	**MS 108-1162**	**MS 108-1163**



WEIL-BLAKESLEY
19,0 cm / 7½"

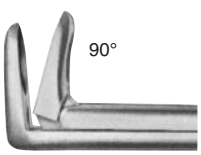
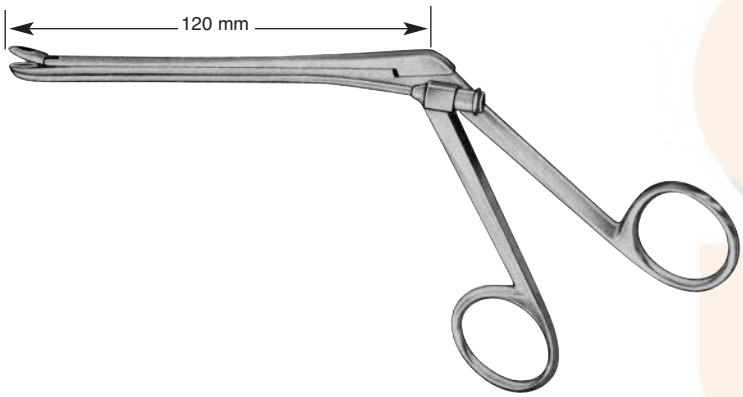
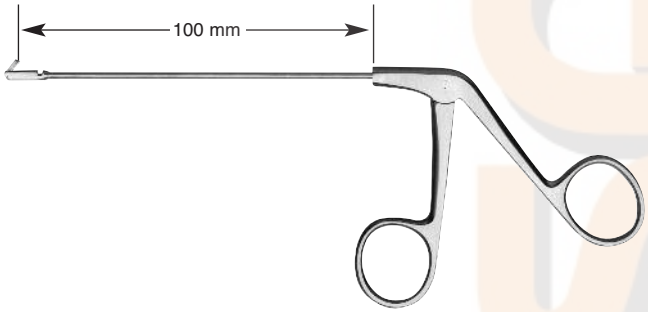


FIG. 1	FIG. 2	FIG. 3	FIG. 4
MS 108-1170	**MS 108-1171**	**MS 108-1172**	**MS 108-1173**

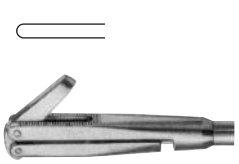


WEIL-BLAKESLEY
19,0 cm / 7½"

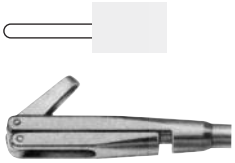
	MS 108-1180 2,5 mm	**MS 108-1181** 3,6 mm	**MS 108-1182** 4,8 mm
45°	**MS 108-1190** 2,5 mm	**MS 108-1191** 3,6 mm	**MS 108-1192** 4,8 mm
90°	**MS 108-1200** 2,5 mm	**MS 108-1201** 3,6 mm	**MS 108-1202** 4,8 mm
sağa eğimli right curved	**MS 108-1210** 2,5 mm	**MS 108-1211** 3,6 mm	**MS 108-1212** 4,8 mm
sola eğimli left curved	**MS 108-1220** 2,5 mm	**MS 108-1221** 3,6 mm	**MS 108-1222** 4,8 mm



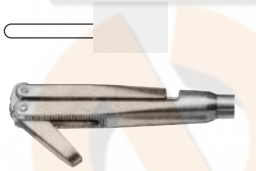
STAMMBERGER



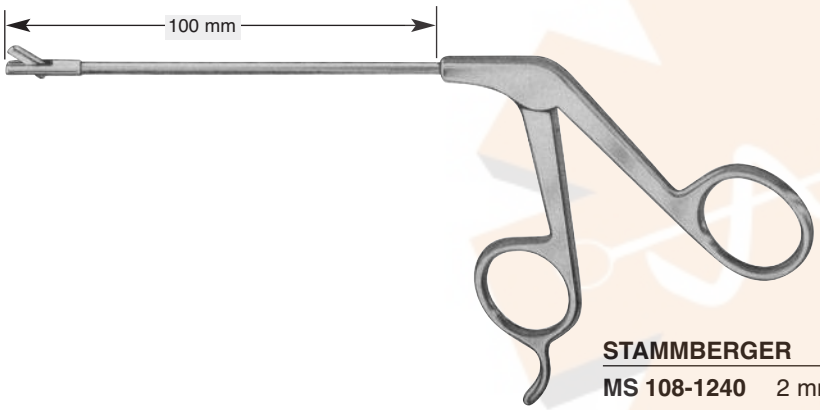
MS 108-1230 2 mm



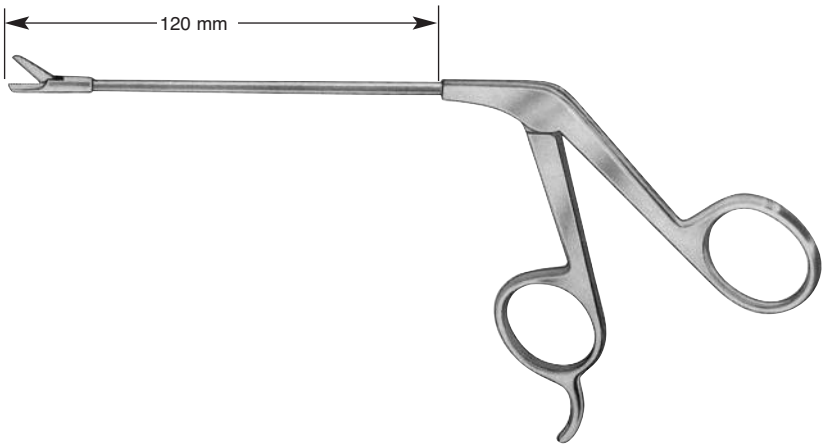
MS 108-1231 2 mm
sağdan keser
rigth cutting



MS 108-1232 2 mm
soldan keser
left cutting



STAMMBERGER
MS 108-1240 2 mm



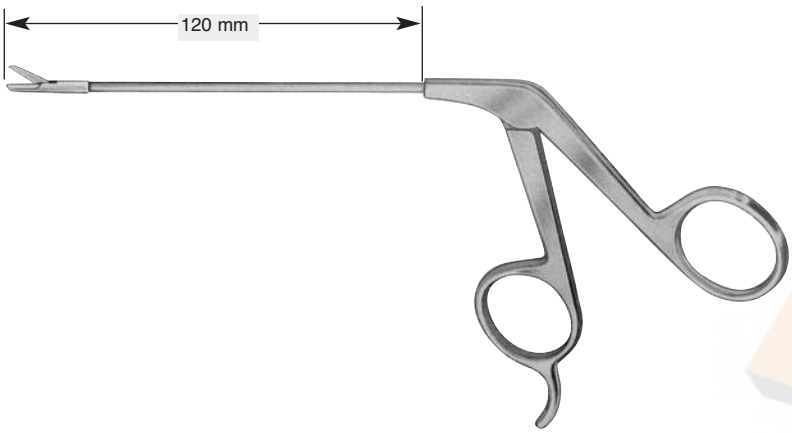


MS 108-1250 Ø 5 mm **MS 108-1251** Ø 5 mm



MS 108-1252 Ø 5 mm

MİKRO

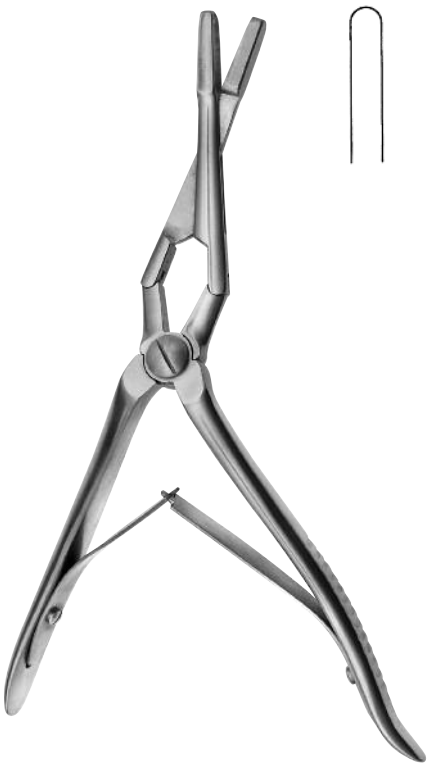




MS 108-1253 Ø 3,5 mm **MS 108-1254** Ø 3,5 mm



MS 108-1255 Ø 3,5 mm



MIDDLETON-JANSEN

MS 108-1270 19,0 cm / 7½"



MIDDLETON-JANSEN

MS 108-1271 19,0 cm / 7½"



CAPLAN

MS 108-1272 20,0 cm / 8"

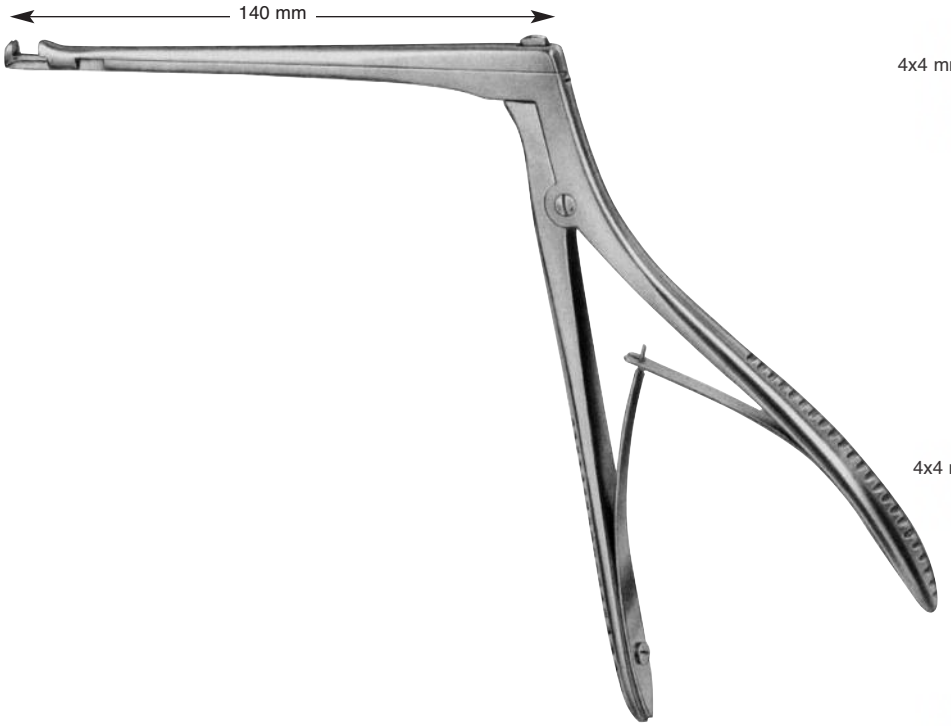


RUBIN

MS 108-1273 21,0 cm / 8¼"



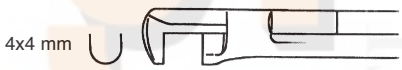
MS 108-1274



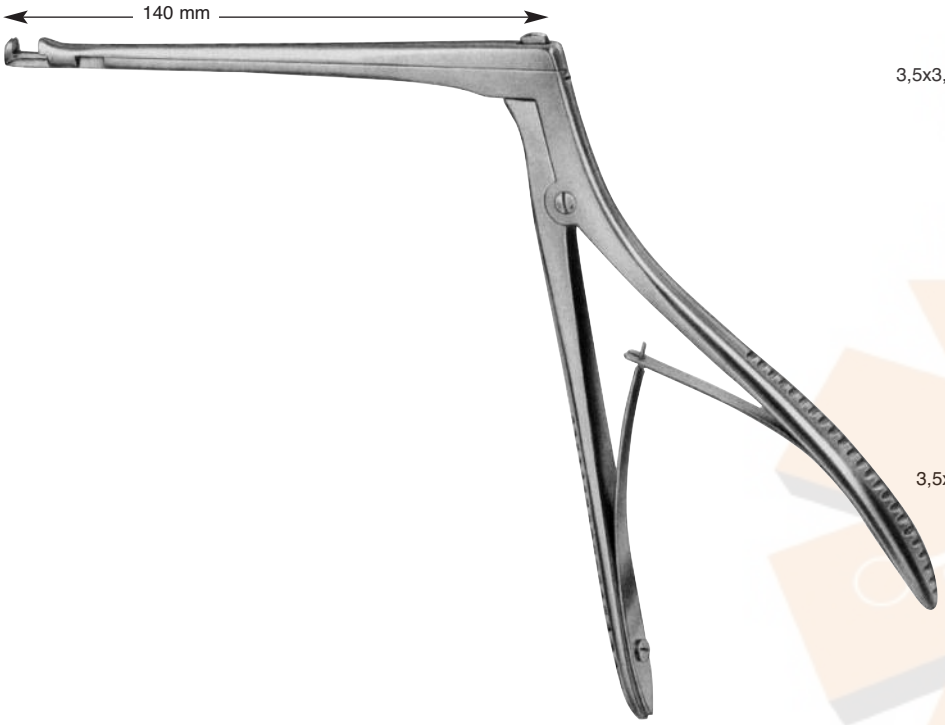
HAJEK
14,0 cm / 5½"



MS 108-1290



MS 108-1291



HAJEK-KOFLER
14,0 cm / 5½"



MS 108-1292



MS 108-1293



KERRISON
17,0 cm / 6¾"

3x3 mm
MS 108-1294

4x4 mm
MS 108-1295

5x5 mm
MS 108-1296

6x6 mm
MS 108-1297



CITELLI
17,0 cm / 6¾"

MS 108-1298 1,5 mm

MS 108-1299 2,0 mm

MS 108-1300 3,0 mm



FIG. 1

MS 108-1320

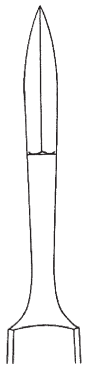
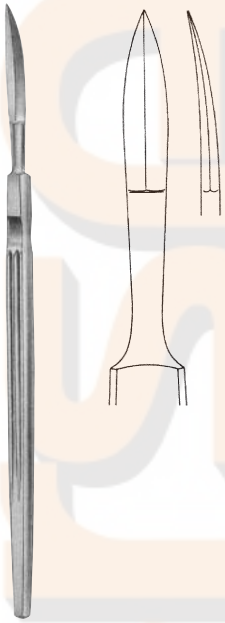


FIG. 2

MS 108-1321

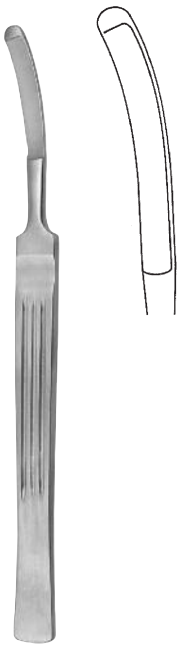
JOSEPH

16,0 cm / 6¼"



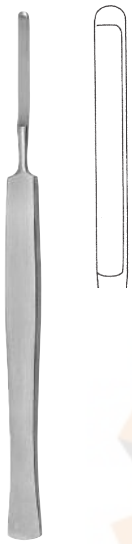
FOMON

MS 108-1322 16,0 cm / 6¼"



CONVERSE

MS 108-1330 16,0 cm / 6¼"



JOSEPH

MS 108-1331 15,0 cm / 6"



COTTLE

MS 108-1332 15,0 cm / 6"



FREER

MS 108-1333 16,5 cm / 6½"



FREER

MS 108-1334 19,0 cm / 7½"



FREER

MS 108-1335 19,0 cm / 7½"



BALLENGER
21,0 cm / 8¼"



MS 108-1350 3,0 mm



MS 108-1351 4,0 mm



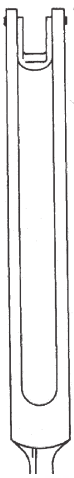
MS 108-1352 5,0 mm



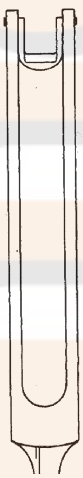
BALLENGER
21,0 cm / 8¼"



MS 108-1353 3,0 mm



MS 108-1354 4,0 mm



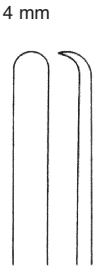
MS 108-1355 5,0 mm



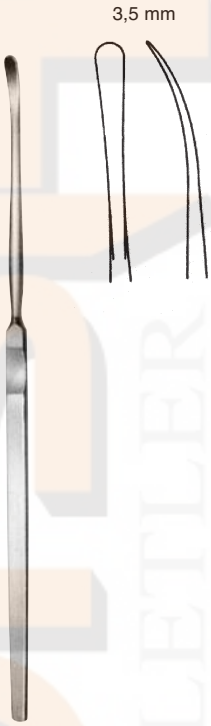
BRÜNINGS
MS 108-1370 16,5 cm / 6½"



MC KENTY
15,0 cm / 6"



MS 108-1371 **MS 108-1372**



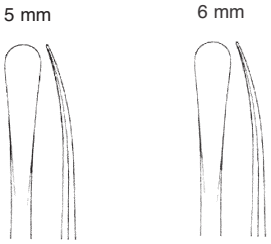
HALLE
MS 108-1373 16,0 cm / 6¼"



JOSEPH
MS 108-1374 16,0 cm / 6¼"

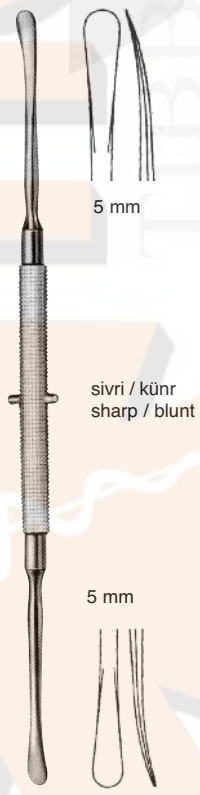


FREER
19,0 cm / 7½"

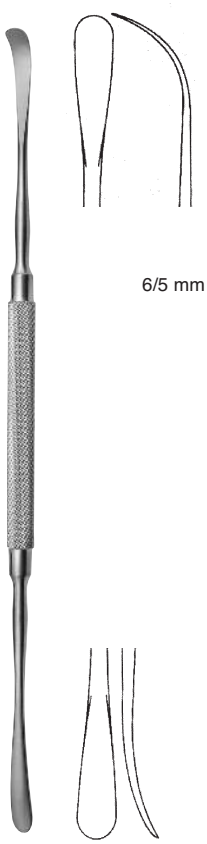


MS 108-1380
sivri
sharp

MS 108-1381
künt
blunt



FREER
MS 108-1382 18,0 cm / 7"



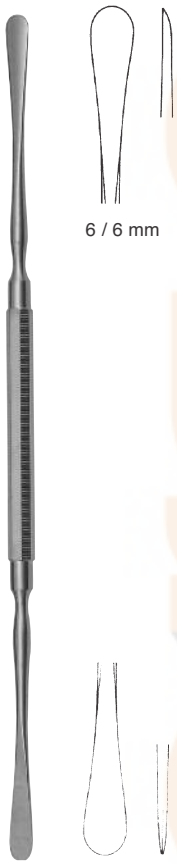
FREER

MS 108-1383 20,5 cm / 8"



MC KENTY

MS 108-1390 22,0 cm / 8¾"



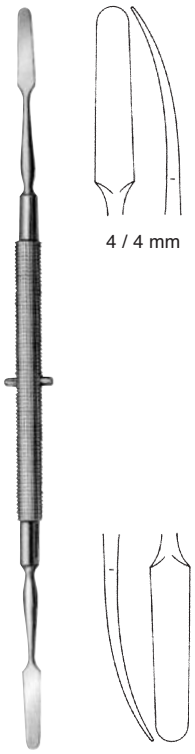
BALLENGER-HAJEK

MS 108-1391 22,0 cm / 8¾"



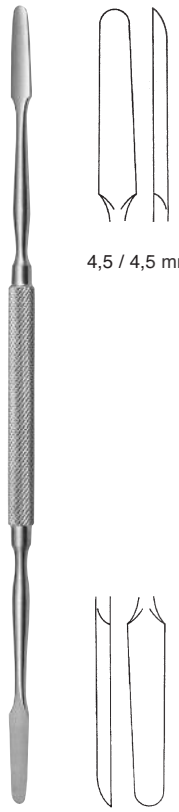
COTTLE

MS 108-1392 23,5 cm / 9¼"



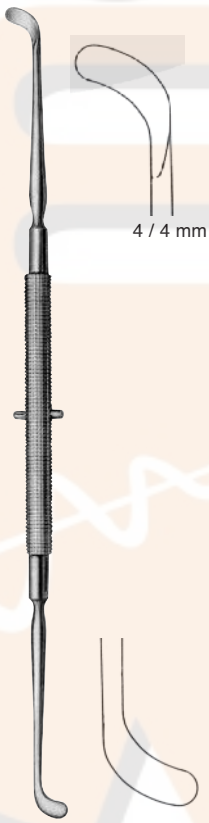
KILIAN

MS 108-1393 18,0 cm / 7"



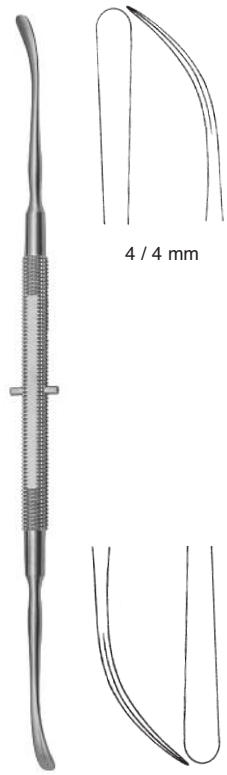
KILIAN

MS 108-1394 22,0 cm / 8¾"



PENNINGTON

MS 108-1395 21,5 cm / 7¼"



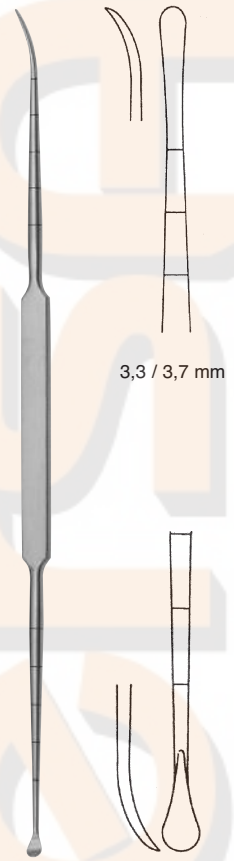
ROGER

MS 108-1396 19,5 cm / 7¾"



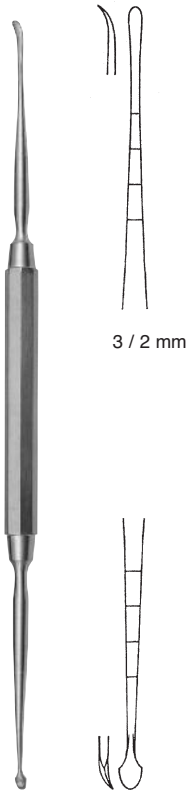
JOSEPH-MASING

MS 108-1397 21,5 cm / 8½"



COTTLE

MS 108-1398 22,0 cm / 8¾"



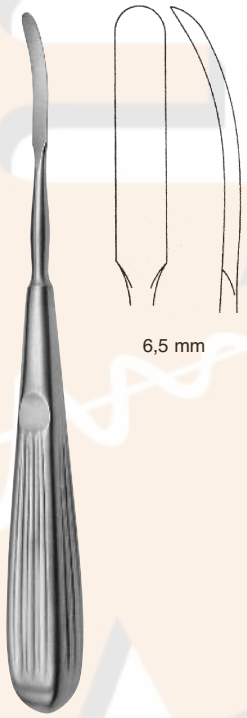
MASING

MS 108-1399 21,0 cm / 8¼"



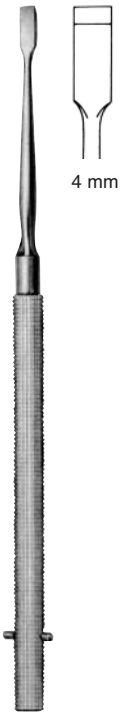
COTTLE

MS 108-1400 21,0 cm / 8¼"



JOSEPH

MS 108-1401 16,0 cm / 8¼"



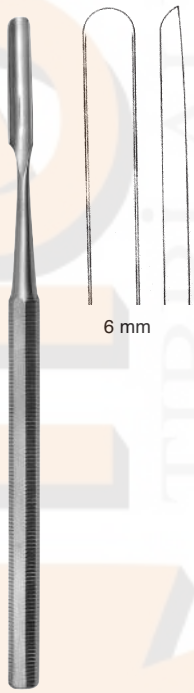
FREER

MS 108-1402 16,0 cm / 6¼"



FREER

MS 108-1403 16,0 cm / 6¼"



FREER

MS 108-1404 15,0 cm / 6"



BALLENGER
15,0 cm / 6"



MS 108-1420 2 mm



MS 108-1421 4 mm

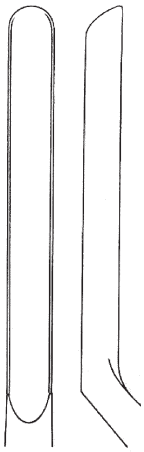


MS 108-1422 6 mm



MS 108-1423 8 mm

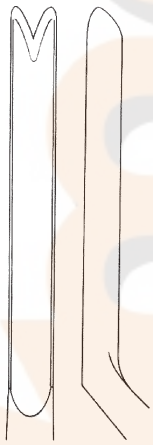




5 mm

KILLIAN
MS 108-1430 16,0 cm / 6¼"

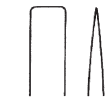




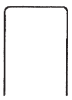
5 mm

KILLIAN-CLAUS
MS 108-1431 16,0 cm / 6¼"

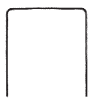




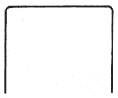
MS 108-1440 4 mm



MS 108-1441 7 mm



MS 108-1442 9 mm



MS 108-1443 12 mm

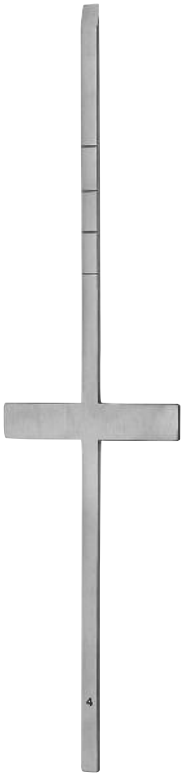
COTTLE
18,0 cm / 7"





6 mm

COTTLE
MS 108-1450 18,0 cm / 7"





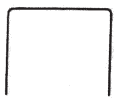
MS 108-1455 4 mm



MS 108-1456 7 mm



MS 108-1457 9 mm



MS 108-1458 12 mm

COTTLE
18,0 cm / 7"

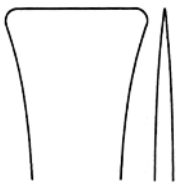




6 mm

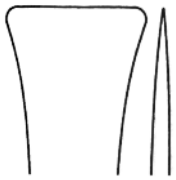
COTTLE
MS 108-1470 18,0 cm / 7"





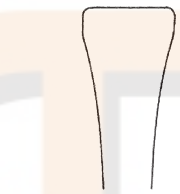
COTTLE
MS 108-1471 18,0 cm / 7"



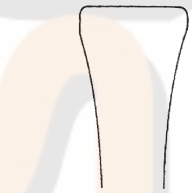


COTTLE
MS 108-1472 18,0 cm / 7"

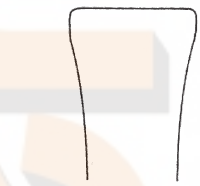




MS 108-1480 10 mm



MS 108-1481 12 mm



MS 108-1482 14 mm

RUBIN
18,0 cm / 7"



MS 108-1490 3 mm



MS 108-1491 4,5 mm



WALTER
19,0 cm / 7½"



MS 108-1492 3 mm



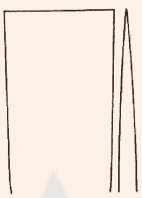
MS 108-1493 4 mm



MS 108-1494 7 mm



MS 108-1495 9 mm



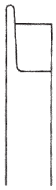
MS 108-1496 12 mm



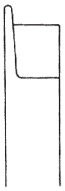
WALTER
19,0 cm / 7½"



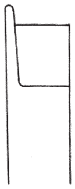
FOMON
16,0 cm / 6¼"



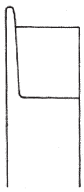
MS 108-1500 4 mm



MS 108-1501 5 mm



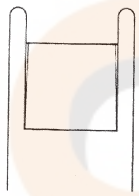
MS 108-1502 6 mm



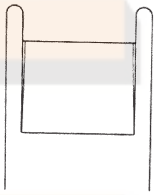
MS 108-1503 7 mm



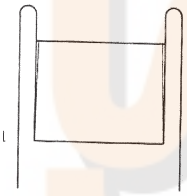
CINELLI
16,0 cm / 6¼"



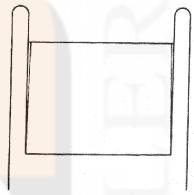
MS 108-1510 10 mm



MS 108-1511 12 mm



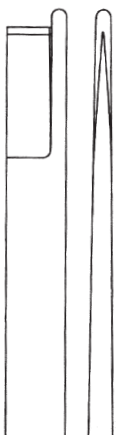
MS 108-1512 14 mm



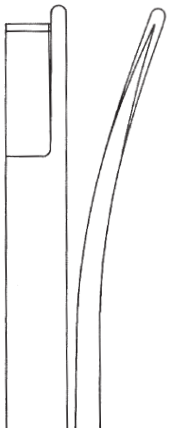
MS 108-1513 16 mm



NEIVERT-ANDERSON
20,5 cm / 8"



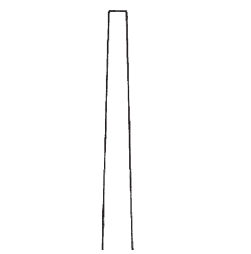
MS 108-1520 7 mm



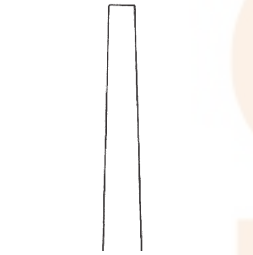
MS 108-1521 7 mm



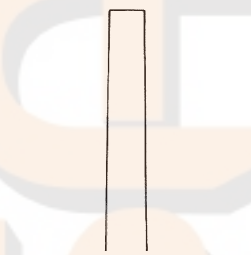
MS 108-1522 7 mm



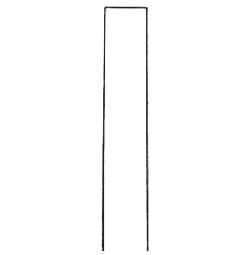
MS 108-1530 2 mm



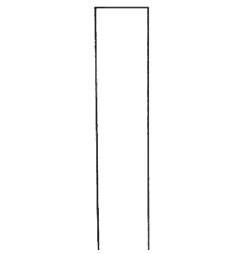
MS 108-1531 3 mm



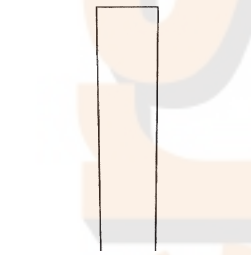
MS 108-1532 4 mm



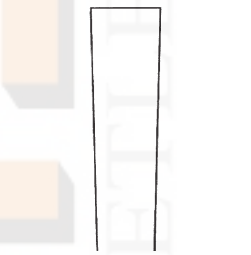
MS 108-1533 5 mm



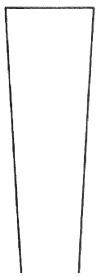
MS 108-1534 6 mm



MS 108-1535 7 mm



MS 108-1536 8 mm



MS 108-1537 10 mm



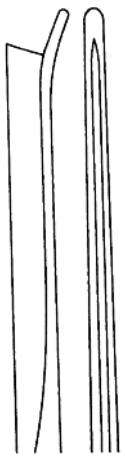
MS 108-1538 12 mm

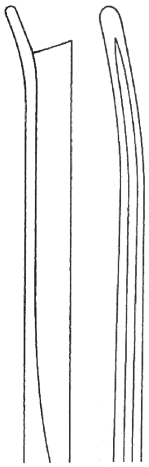


SHEEHAN
15,0 cm / 6"



SILVER
18,0 cm / 7"

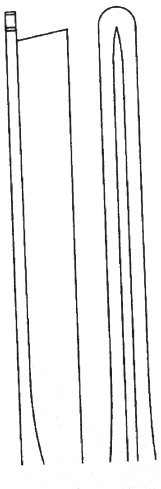
5 mm

MS 108-1550

5 mm

MS 108-1551

5 mm

MS 108-1552





PARKES

MS 108-1560 16,0 cm / 6¼"



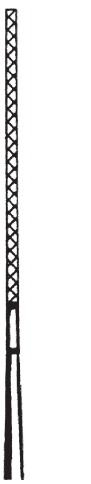
JOSEPH
MS 108-1570 17,0 cm / 6¾"



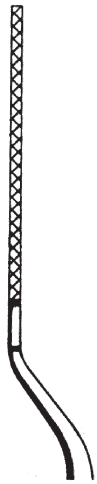
JOSEPH
MS 108-1571 17,0 cm / 6¾"



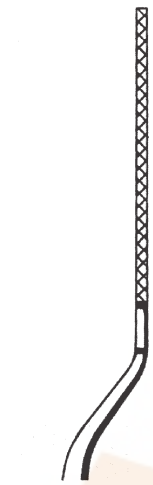
JOSEPH
19,0 cm / 7½"



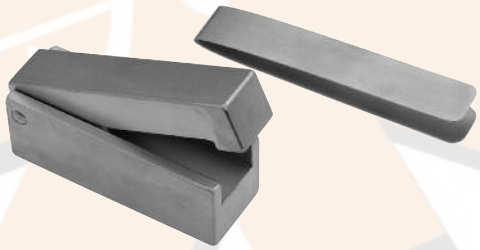
MS 108-1580



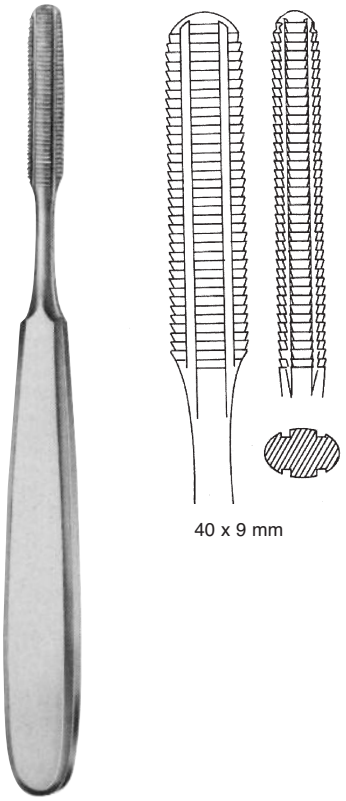
MS 108-1581



MS 108-1582

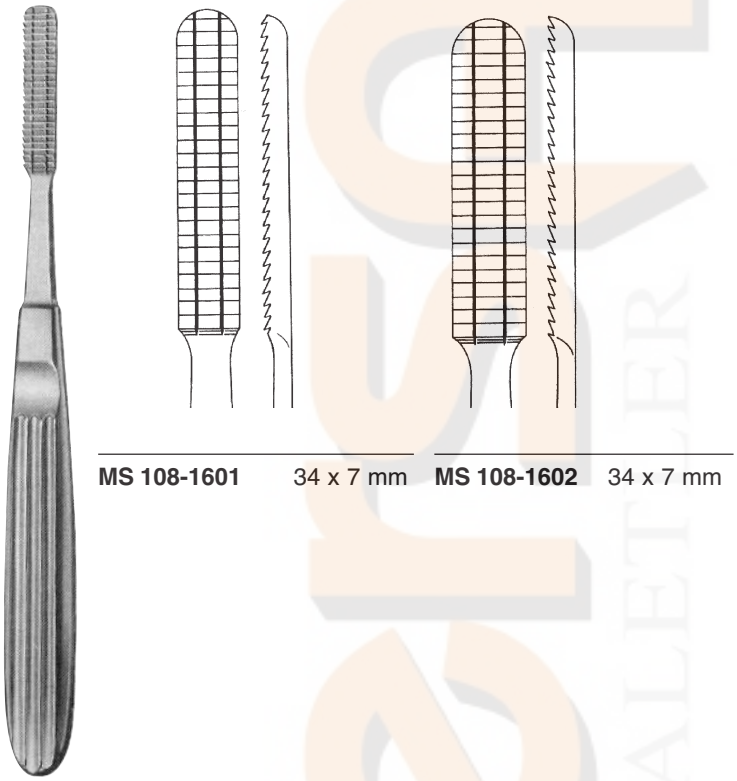


COTTLE
MS 108-1590



MALTZ

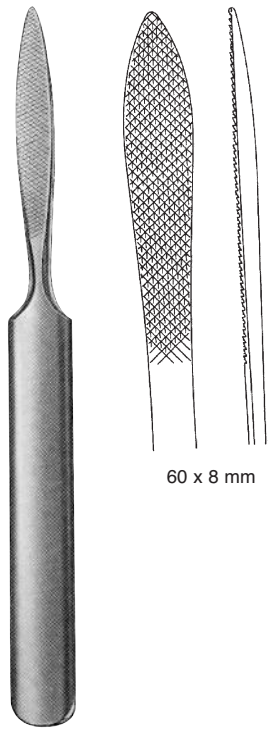
MS 108-1600 17,5 cm / 7"



MALTZ

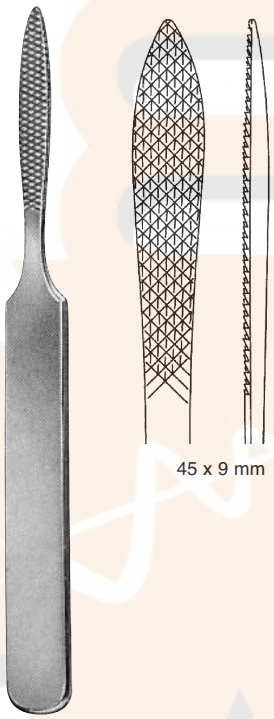
17,0 cm / 6¾"

MS 108-1601 34 x 7 mm **MS 108-1602** 34 x 7 mm



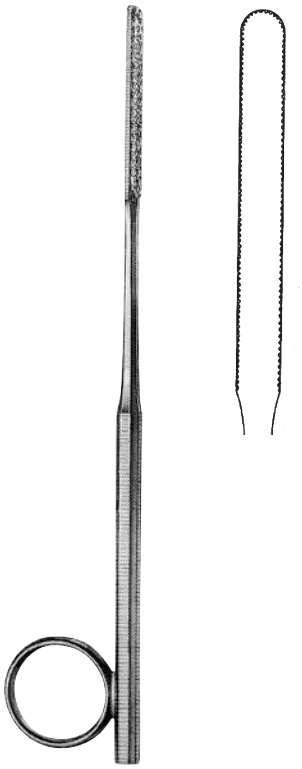
JOSEPH

MS 108-1603 16,0 cm / 6¼"



JOSEPH

MS 108-1604 16,0 cm / 6¼"



GALLAHER
17,0 cm / 6¾"



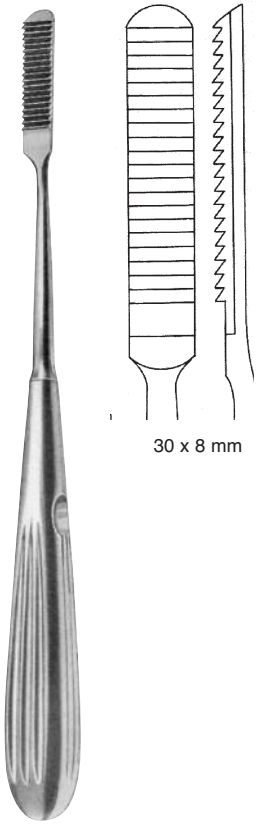
MS 108-1610 45 x 6 mm



MS 108-1611 45 x 6 mm



MS 108-1612 45 x 6 mm

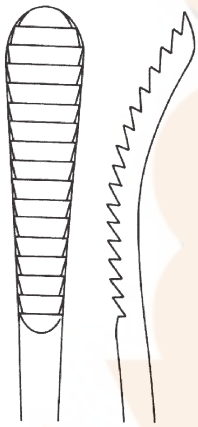


30 x 8 mm

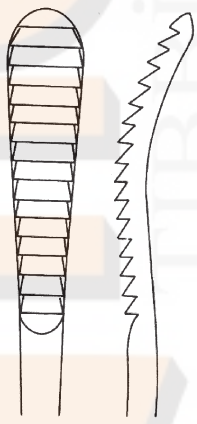
COTTLE
MS 108-1620 21,0 cm / 8¼"



AUFRICHT
21,0 cm / 8¼"



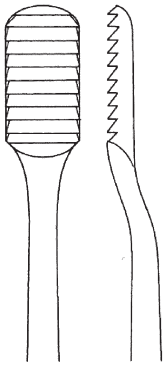
MS 108-1621 32 x 9 mm



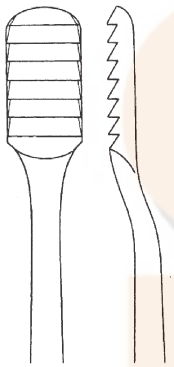
MS 108-1622 32 x 9 mm



LEWIS
19,0 cm / 7½"



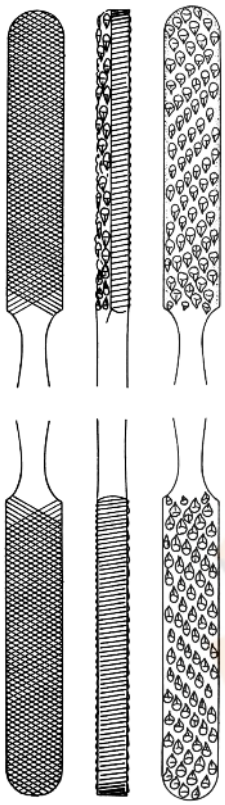
MS 108-1630



MS 108-1631



FOMON
MS 108-1640 21,0 cm / 8¼"



30 x 8 mm

TC





FOMON
20,5 cm / 8"



30 x 8 mm





Fig. 1/2
MS 108-1641

40 x 7 mm





Fig. 3/4
MS 108-1642

40 x 7 mm





Fig. 5/6
MS 108-1643

40 x 7 mm





Fig. 7/8
MS 108-1644

40 x 7 mm





Fig. 9/10
MS 108-1645



COTTLE
MS 108-1660 17,0 cm / 6¾"



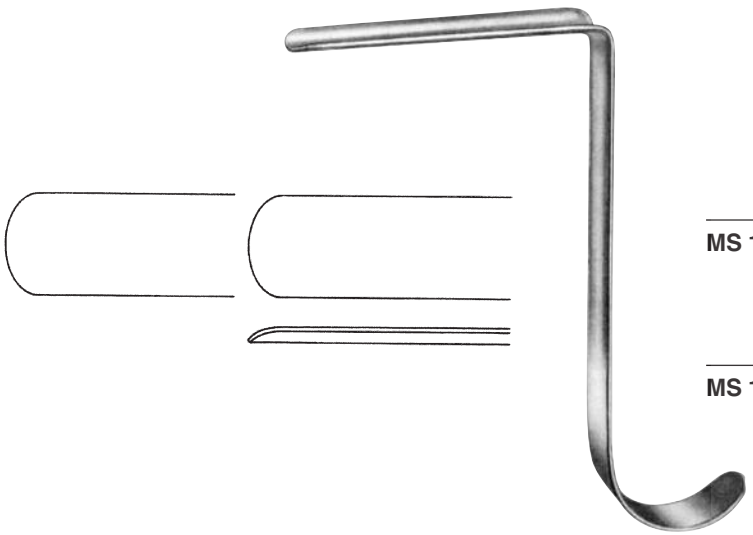
COTTLE
14,5 cm / 5¾"



MS 108-1661 **MS 108-1662** **MS 108-1663**



LANGE
MS 108-1664 22,0 cm / 8¾"



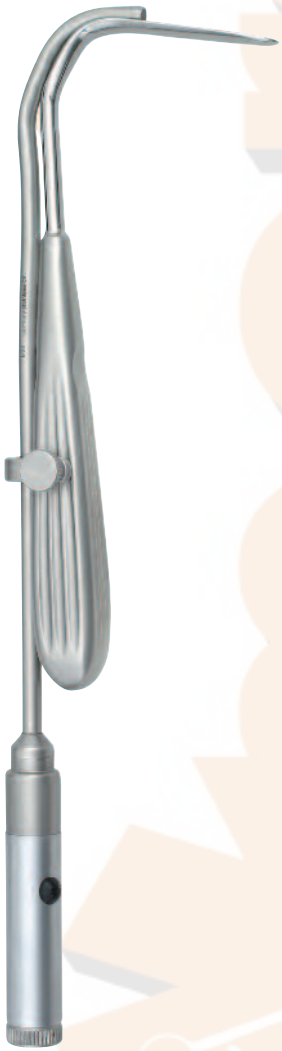
CONVERSE
9,0 cm / 3½"

MS 108-1670 20 x 9 mm
MS 108-1671 28 x 13 mm
MS 108-1672 41 x 13 mm
MS 108-1673 60 x 14 mm

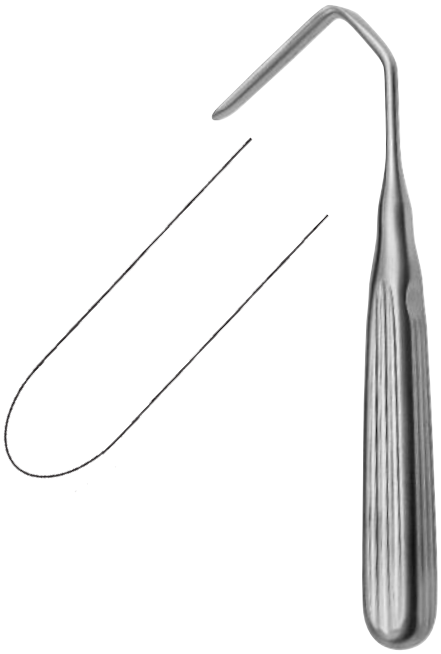


FOMON

MS 108-1680 17,0 cm / 7½"



MS 108-1681 21,5 cm / 8½"



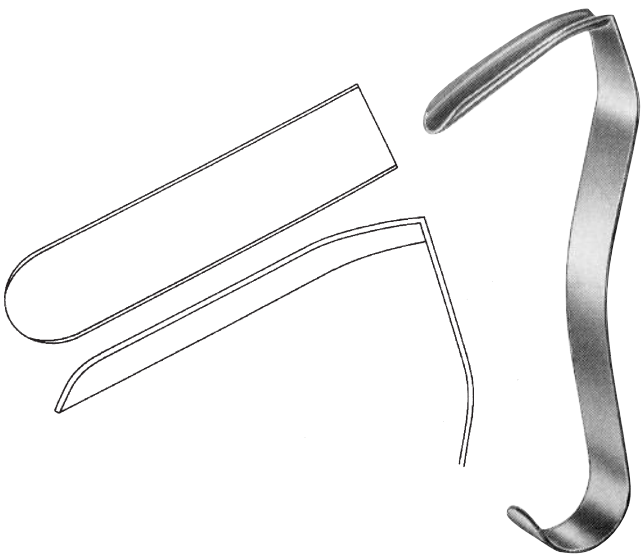
AUFRICHT

MS 108-1682 16,0 cm / 6¼"



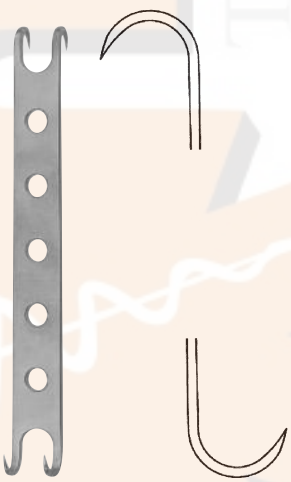
KILNER

MS 108-1683 8,0 cm / 3½"



CONVERSE

MS 108-1684 10,5 cm / 4"

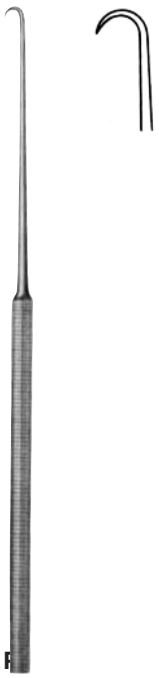


CONVERSE

MS 108-1685 8,0 cm / 3½"



FREER
MS 108-1700 15,0 cm / 6"



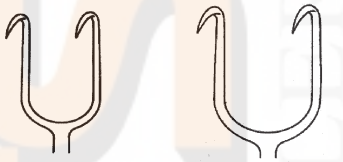
JOSE H
MS 108-1701 15,0 cm / 6"



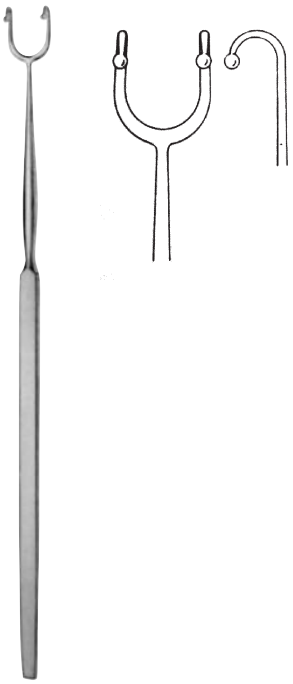
JOSE H
16,0 cm / 6¼"



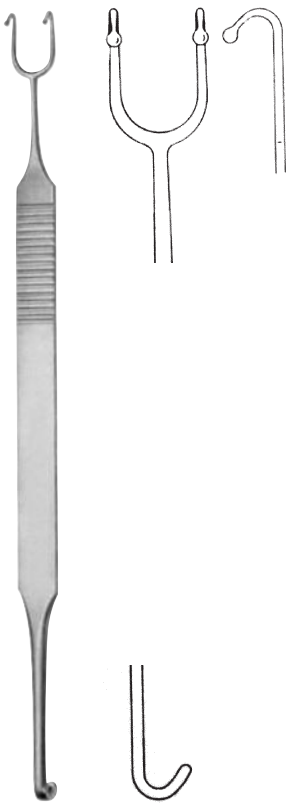
MS 108-1702 **MS 108-1703**



MS 108-1704 **MS 108-1705**



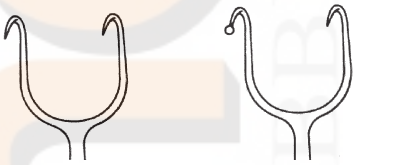
FOMON
MS 108-1710 16,0 cm / 6¼"



COTTLE-NEIVERT
MS 108-1711 20,0 cm / 8"



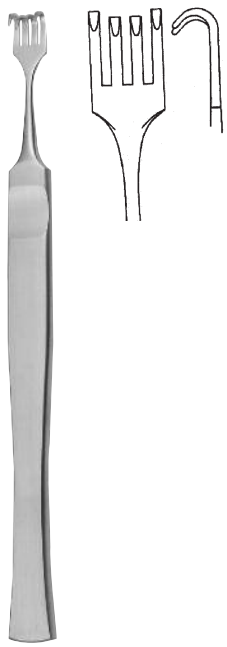
COTTLE
14,5 cm / 5¾"



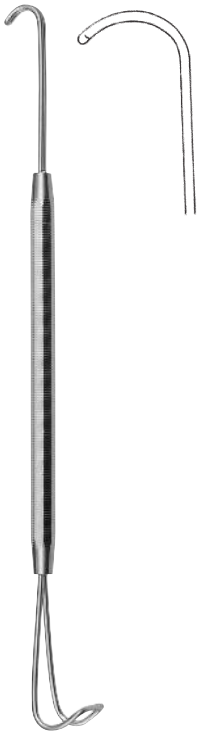
MS 108-1712 **MS 108-1713**



MS 108-1714



COTTLE
MS 108-1715 14,0 cm / 5½"



NEIVERT
MS 108-1720 17,0 cm / 6¾"



COTTLE
MS 108-1721 14,0 cm / 5½"



COTTLE
MS 108-1722 16,0 cm / 6¼"



AUFRICHT
MS 108-1723 12,0 cm / 4¾"



KRESSNER
MS 108-1730 21,0 cm / 8¼"



COTTLE-WALSHAM
23,0 cm / 9"



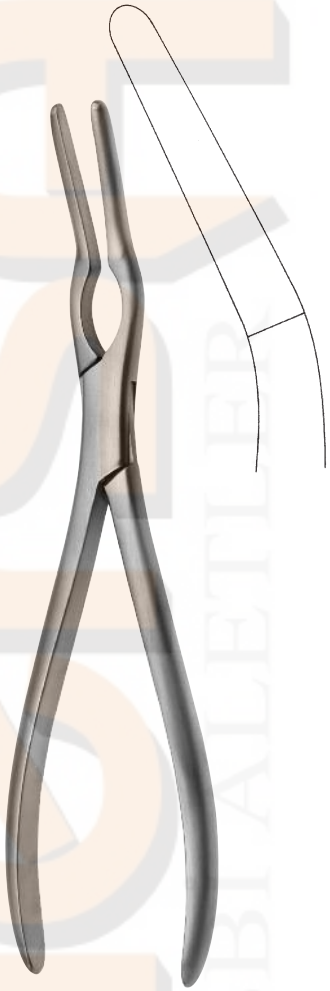
MS 108-1731
düz
straight



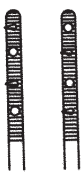
MS 108-1732
sol
left



MS 108-1733
sağ
right

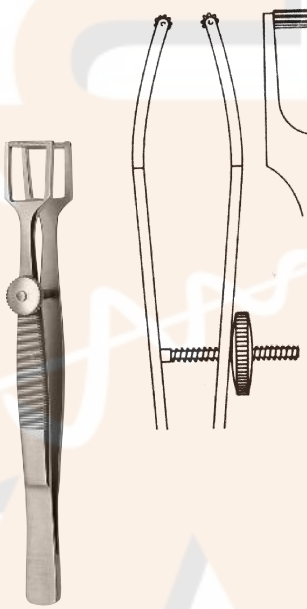


ASCH
MS 108-1734 22,5 cm / 8¾"





COTTLE
MS 108-1740 14,0 cm / 5½"



COTTLE
MS 108-1741 11,0 cm / 4¼"



FAULKNER
MS 108-1750 21,0 cm / 8¼"



COAKLEY
17,0 cm / 6¾"



MS 108-1751



MS 108-1752



MS 108-1753



MS 108-1754



MS 108-1755



MS 108-1756



BECKMANN
22,0 cm / 8¾"



FIG. 1
MS 108-1770 10 mm

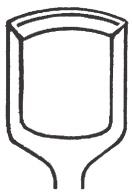


FIG. 2
MS 108-1771 12 mm

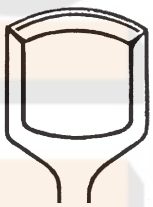


FIG. 3
MS 108-1772 14 mm

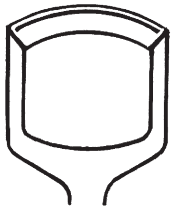


FIG. 4
MS 108-1773 16 mm

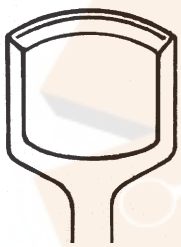


FIG. 5
MS 108-1774 20 mm

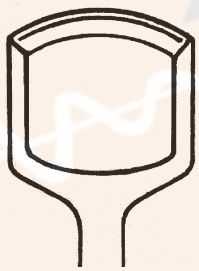


FIG. 6
MS 108-1775 22 mm



BECKMANN
22,0 cm / 8¾"

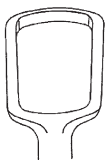


FIG. 1
MS 108-1790 10 mm

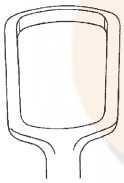


FIG. 2
MS 108-1791 14 mm

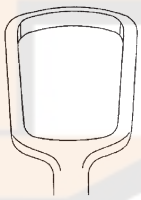


FIG. 3
MS 108-1792 16 mm

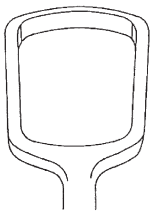


FIG. 4
MS 108-1793 18 mm

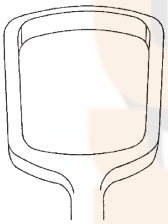


FIG. 5
MS 108-1794 20 mm

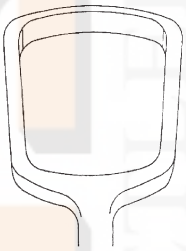


FIG. 6
MS 108-1795 22 mm



BARNHILL
21,0 cm / 8¼"

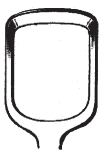


FIG. 1
MS 108-1800 16 mm

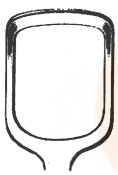


FIG. 2
MS 108-1801 18 mm

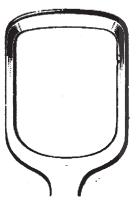


FIG. 3
MS 108-1802 20 mm

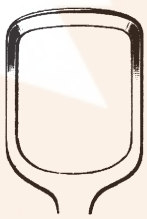


FIG. 4
MS 108-1803 23 mm



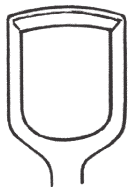


FIG. 1
MS 108-1810



FIG. 2
MS 108-1811

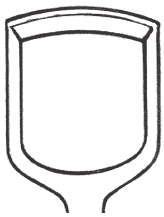


FIG. 3
MS 108-1812

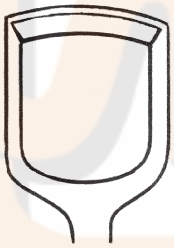


FIG. 4
MS 108-1813

ST. CLAIR-THOMSON
21,0 cm / 8¼"



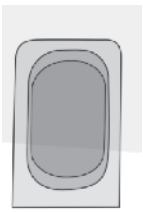


FIG. 1
MS 108-1820



FIG. 2
MS 108-1821

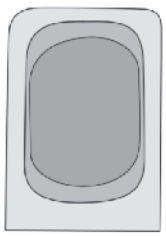


FIG. 3
MS 108-1822

LA FORCE
25,0 cm / 10"

FIG. 1
MS 108-1830

FIG. 2
MS 108-1831

FIG. 3
MS 108-1832



EICKEN-KILLIAN

MS 108-1840	14,0 cm / 5½"	



SIEBENMANN

MS 108-1841	15,0 cm / 6"	Ø 1,5 mm
MS 108-1842	15,0 cm / 6"	Ø 1,7 mm
MS 108-1843	15,0 cm / 6"	Ø 2,0 mm
MS 108-1844	15,0 cm / 6"	Ø 2,5 mm
MS 108-1845	15,0 cm / 6"	Ø 3,0 mm



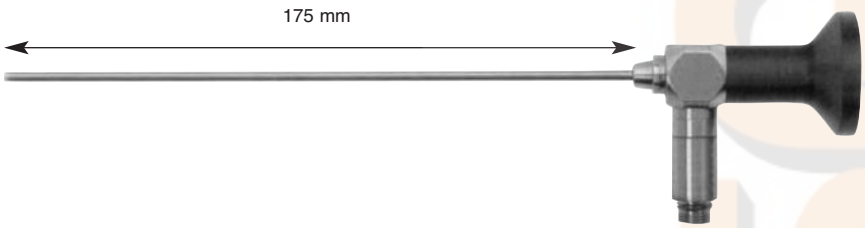
GUILEN

MS 108-1860	19,0 cm / 7½"	



RITTER-HALLE

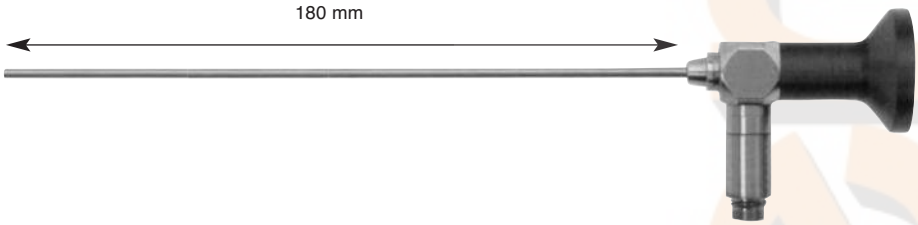
MS 108-1861	14,5 cm / 5¾"	Ø 2,5 mm
MS 108-1862	14,5 cm / 5¾"	Ø 3,0 mm
MS 108-1863	14,5 cm / 5¾"	Ø 4,0 mm
MS 108-1864	14,5 cm / 5¾"	Ø 5,0 mm



MS 108-1880 Ø 4,0 x 175 mm

MS 108-1881 Ø 4,0 x 175 mm

MS 108-1882 Ø 4,0 x 175 mm



MS 108-1883 Ø 2,7 x 180 mm

MS 108-1884 Ø 2,7 x 180 mm



MS 108-890 10,0 cm / 4"

Yassı sap Ø 2,7 mm teleskop için
Flat handle for Ø 2,7 mm telescopes



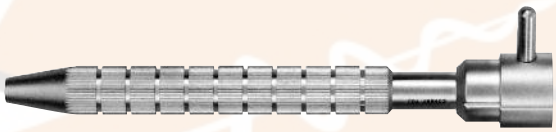
MS 108-891 10,0 cm / 4"

Yuvarlak sap Ø 2,7 mm teleskop için
Round handle for Ø 2,7 mm telescopes



MS 108-892 10,0 cm / 4"

Yassı sap Ø 4,0 mm teleskop için
Flat handle for Ø 4,0 mm telescopes



MS 108-893 10,0 cm / 4"

Yuvarlak sap Ø 4,0 mm teleskop için
Round handle for Ø 4,0 mm telescopes



ADAMS
MS 108-1900



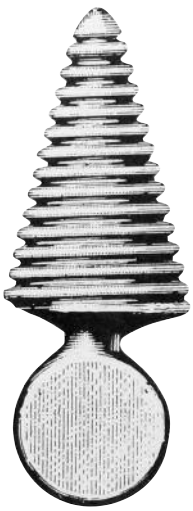
LANGENBECK
MS 108-1901



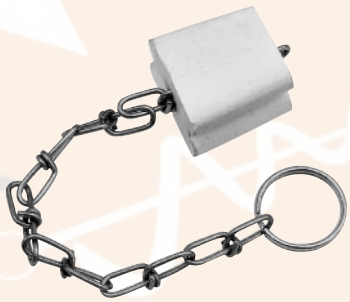
LANGENBECK
MS 108-1902



LANGENBECK
MS 108-1903



MAUNDER
MS 108-1910 10,0 cm / 4"



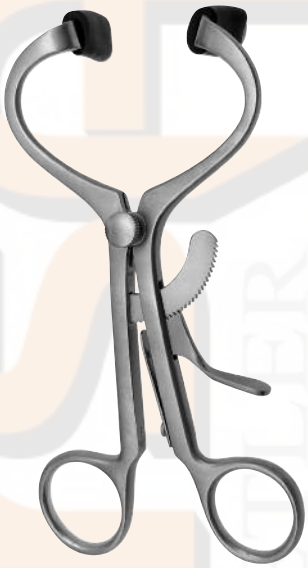
PITHA
MS 108-1911



HEISTER
MS 108-1920 13,0 cm / 5"



MOLT
MS 108-1925 11,0 cm / 4½"



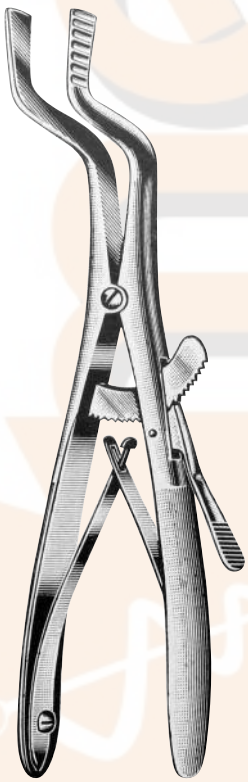
MOLT
MS 108-1926 14,0 cm / 5½"



DENHART
MS 108-1930 12,0 cm / 4¾"

DENHART
MS 108-1931

Silikon ağız (çift)
Silicon jaws, only (pair)



ROSER-KÖNIG
MS 108-1940 16,0 cm / 6¼"
MS 108-1941 20,0 cm / 8"



NEGUS

MS 108-1960

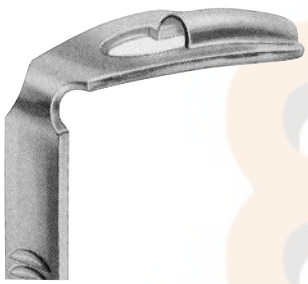


FIG. 1 29 x 70 mm

MS 108-1962 13,5 cm / 5¼"



FIG. 2 34 x 80 mm

MS 108-1963 13,5 cm / 5¼"





MS 108-1965

ağız açacağı için çerçeve

frame for mouth gag

KILNER-DOUGHTY

MS 108-1961

Komple set, complete

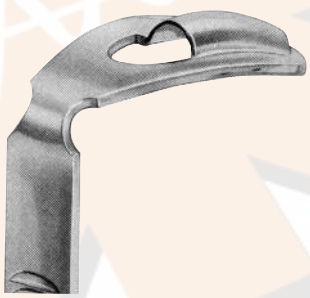


FIG. 3 38 X 85 mm

MS 108-1964 13,5 cm / 5¼"



MS 108-1972
ağız açacağı için çerçeve
frame for mouth gag



DAVIS-BOYLE
MS 108-1966
Komple set, complete

DAVIS-BOYLE
MS 108-1967 13,5 cm / 5¼" 25 x 108 mm



DAVIS-BOYLE
MS 108-1968 13,5 cm / 5¼" 25 x 95 mm



DAVIS-BOYLE
MS 108-1969 13,5 cm / 5¼" 24 x 80 mm



DAVIS-BOYLE
MS 108-1970 13,5 cm / 5¼" 23 x 65 mm



DAVIS-BOYLE
MS 108-1971 13,5 cm / 5¼" 20 x 30 mm



MC IVOR

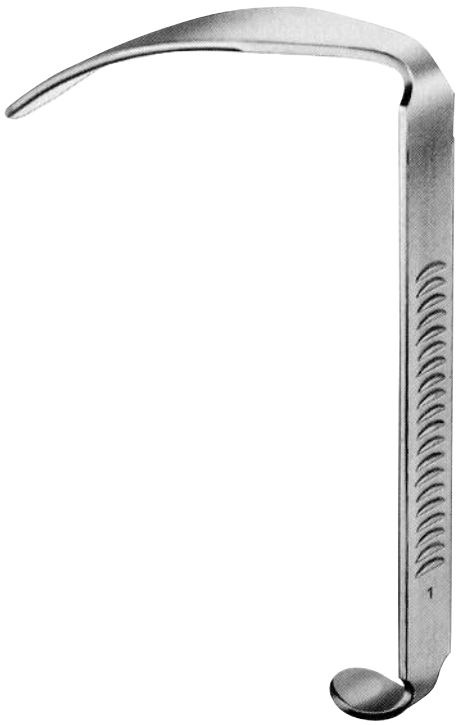
MS 108-1980

Komple set, complete

MC IVOR MS

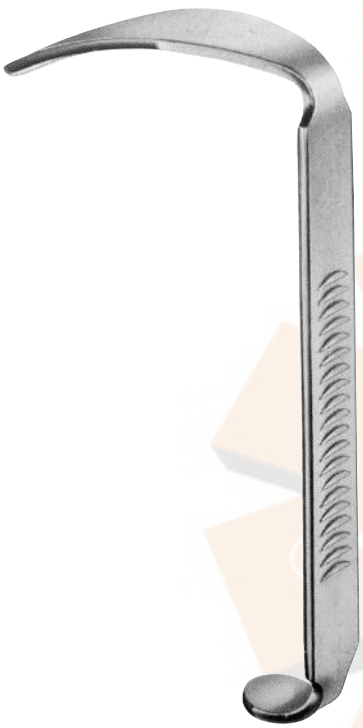
108-1981

ağız açacağı için çerçeve
frame for mouth gag



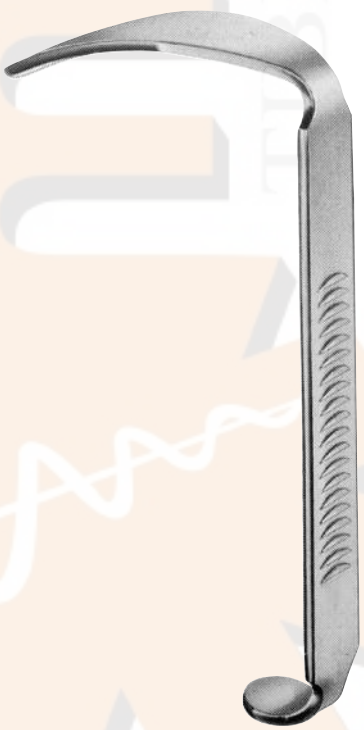
MC IVOR

MS 108-1982 13,5 cm / 5½" 26 x 100 mm



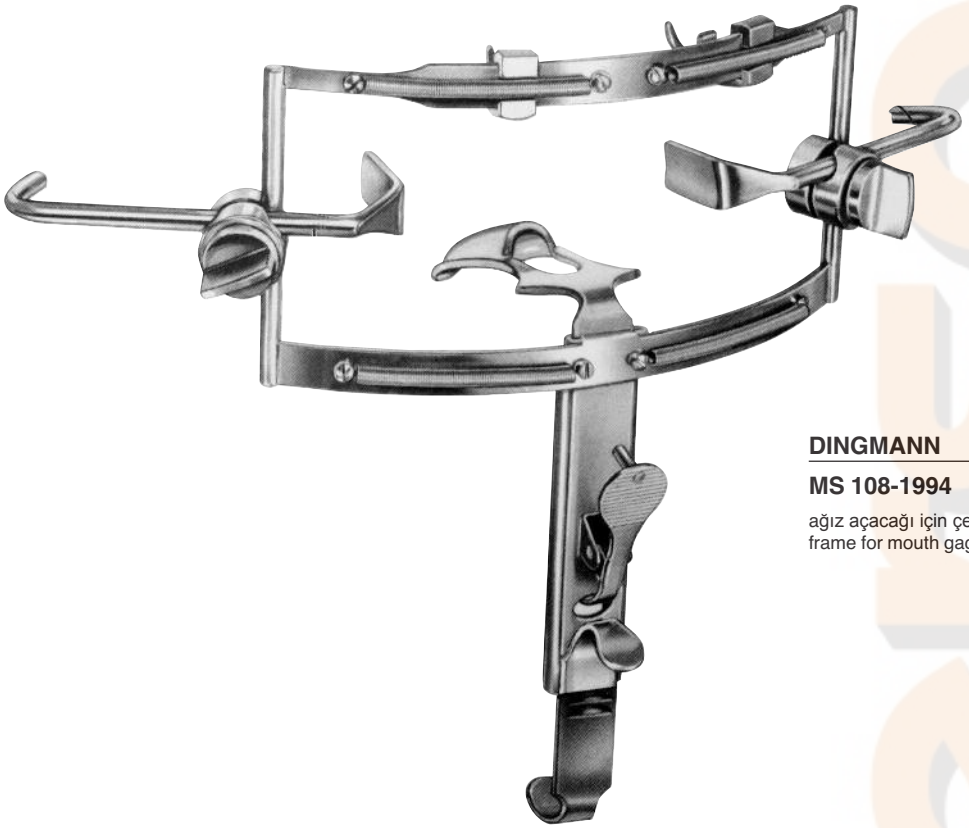
MC IVOR

MS 108-1983 13,5 cm / 5½" 25 x 85 mm



MC IVOR

MS 108-1984 13,5 cm / 5½" 23 x 75 mm



DINGMANN

MS 108-1994

ağız açacağı için çerçeve
frame for mouth gag

DINGMANN

MS 108-1990

Komple set, complete



DINGMANN

MS 108-1991 13,5 cm / 5½" 25 x 65 mm



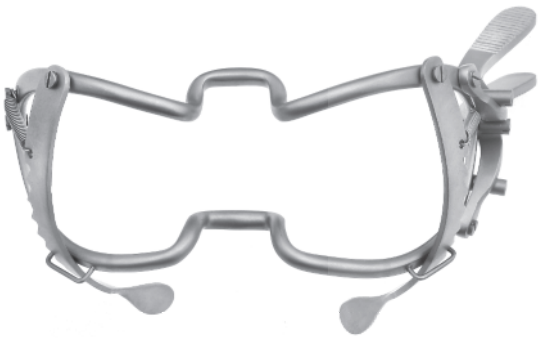
DINGMANN

MS 108-1992 13,5 cm / 5½" 29 x 70 mm



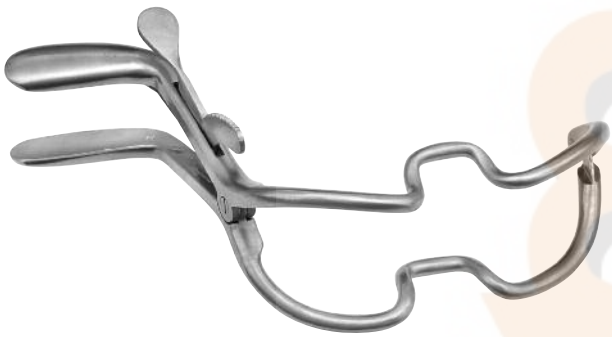
DINGMANN

MS 108-1993 13,5 cm / 5½" 32 x 80 mm



WHITEHEAD

MS 108-2000	11,0 cm / 4¼"
MS 108-2001	13,0 cm / 5"
MS 108-2002	15,0 cm / 6"



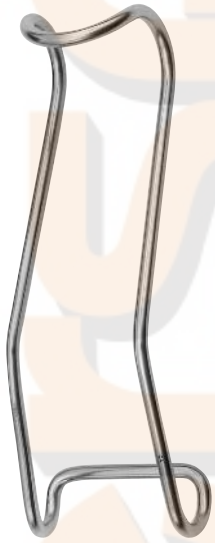
JENNINGS

MS 108-2010	9,0 cm / 3½"
MS 108-2011	11,0 cm / 4¼"
MS 108-2012	13,0 cm / 5"
MS 108-2013	15,0 cm / 6"



SIMPLEX

MS 108-2020 11,0 cm / 4½"

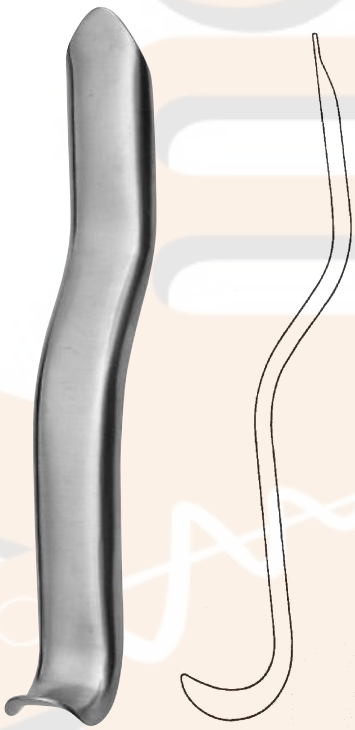


STERNBERG

MS 108-2021 12,0 cm / 4¾"
MS 108-2022 14,0 cm / 5½"
MS 108-2023 16,0 cm / 6¼"



MS 108-2030 19,0 cm / 7½"



CAWOOD-MINNESOTA

MS 108-2031 15,5 cm / 6"



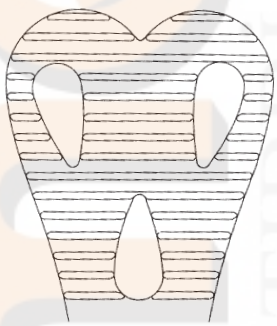
HARTMANN
MS 108-2032 15,0 cm / 6"



TOBOLD
MS 108-2033 14,5 cm / 5½"



TOBOLD
MS 108-2034 14,5 cm / 5½"



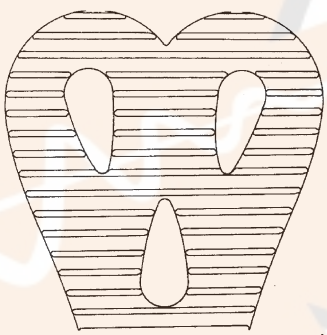
MS 108-2036 14,0 cm / 5½"



ANDREW
MS 108-2035 11,0 cm / 4⅜"



WIEDER



MS 108-2037 15,0 cm / 6"

100'lü pakatte
package of 100 pcs.



ahşap
from wood

MS 108-2050 16,0 cm / 6¼"

100'lü pakette
package of 100 pcs.



plastik
from plastic

MS 108-2051 15,0 cm / 6"



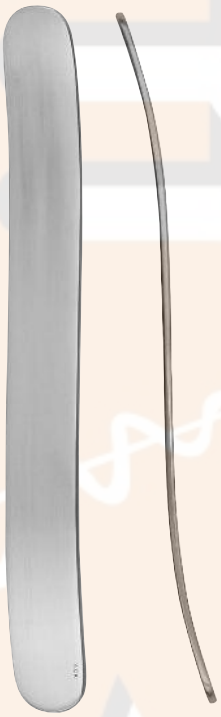
BUCHWALD

MS 108-2052 17,0 cm / 6¾"



BRUENINGS

MS 108-2053 19,0 cm / 7½"

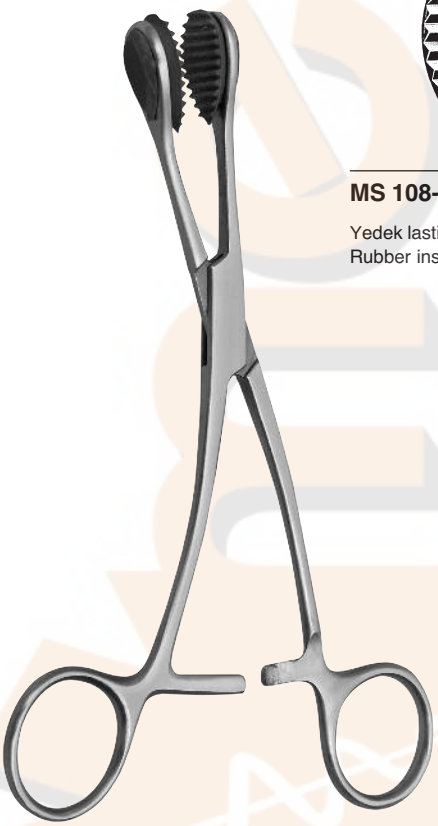


MS 108-2054 14,5 cm / 5¾"



COLLIN

MS 108-2070 16,0 cm / 6¼"
MS 108-2071 18,0 cm / 7"



YOUNG

MS 108-2072 16,0 cm / 6¼"

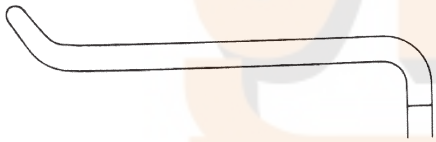


MS 108-2073

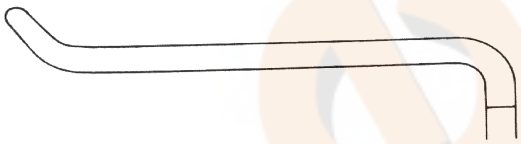
Yedek lastik (çift)
Rubber inserts, only (pair)



OBWEGESSER
22,0 cm / 8¾"



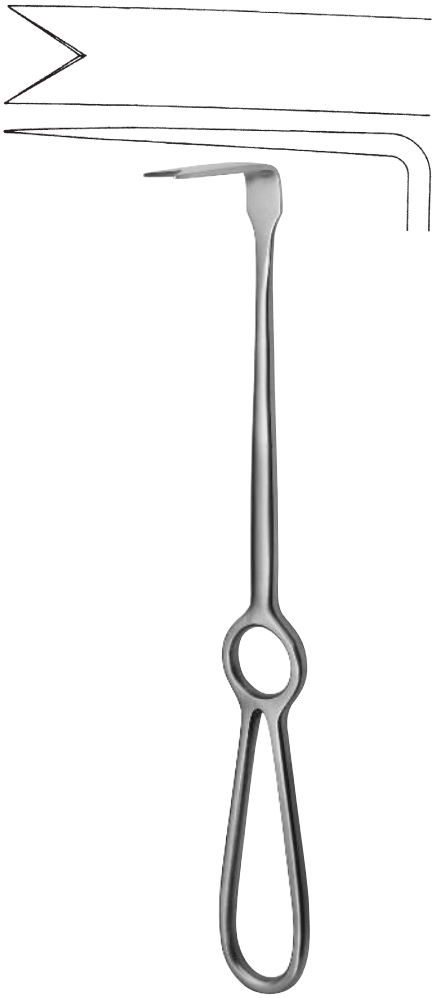
MS 108-2080 11 x 40 mm



MS 108-2081 11 x 55 mm



MS 108-2082 16 x 80 mm



OBWEGESER

MS 108-2084 22,0 cm / 8¾" 10 x 45 mm



OBWEGESER

MS 108-2085 22,0 cm / 8¾" 11 x 70 mm



OBWEGESER

MS 108-2086 16,0 cm / 6½"



OBWEGESER

MS 108-2087	17,0 cm / 6¾"	8 mm
MS 108-2088	17,0 cm / 6¾"	10 mm



OBWEGESER
17,5 cm / 7¼"



MS 108-2100 6 mm



MS 108-2101 7 mm



MS 108-2102 9 mm **MS 108-2103** 11 mm



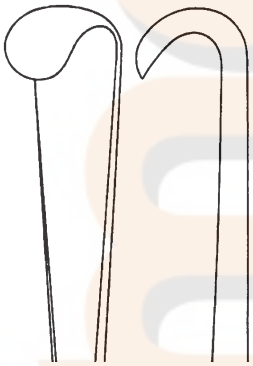
OBWEGESER
20,0 cm / 8"



MS 108-2104 5 mm



MS 108-2105 7 mm



MS 108-2106 9 mm



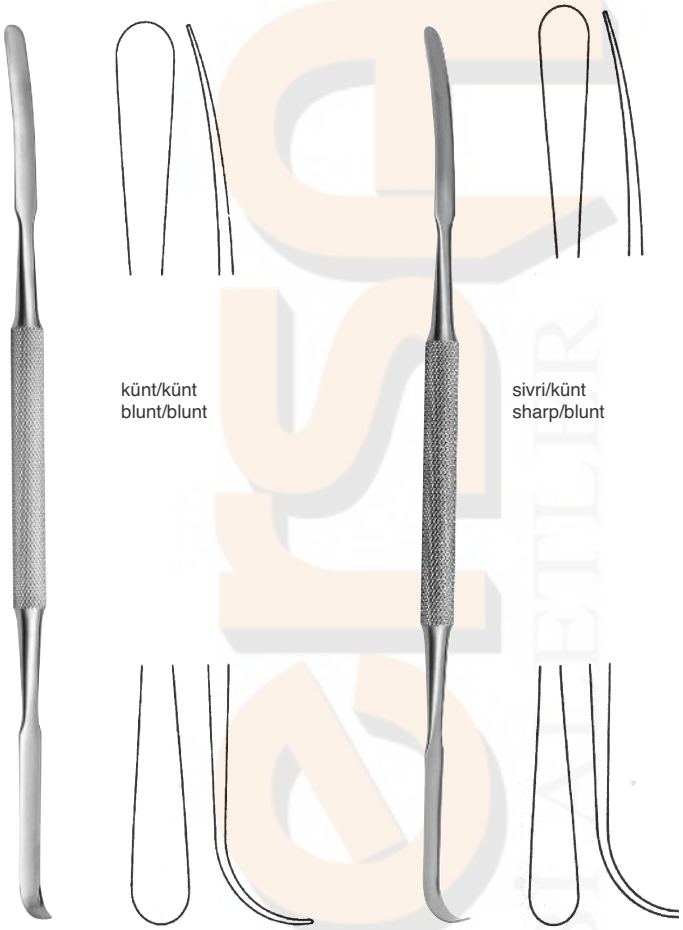
OBWEGESER
17,5 cm / 7"



Fig. 1
MS 108-2110



Fig. 2
MS 108-2111

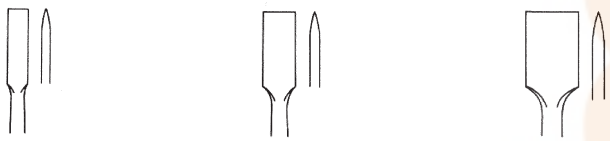


OBWEGESER Fig. 1
MS 108-2120 21,0 cm / 8½"

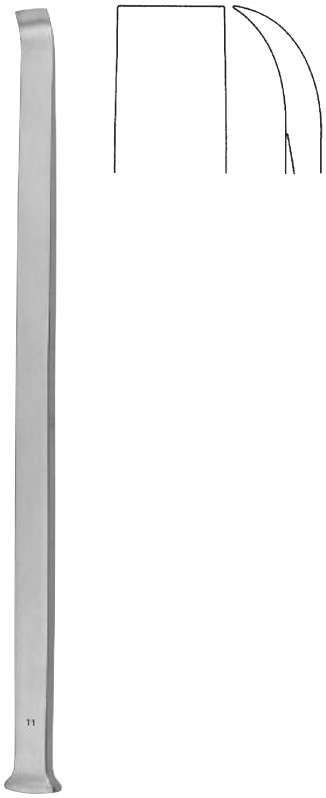
OBWEGESER Fig. 2
MS 108-2121 21,0 cm / 8½"



OBWEGESER
15,0 cm / 6"



MS 108-2130 2,5 mm **MS 108-2131** 4,0 mm **MS 108-2132** 6,5 mm



OBWEGESER
MS 108-2140 23,5 cm / 9¼"



OBWEGESER
18,5 cm / 7¼"



MS 108-2145



MS 108-2146



OBWEGESER
MS 108-2150 18,0 cm / 7"



OBWEGESER
MS 108-2151 14,0 cm / 5½"

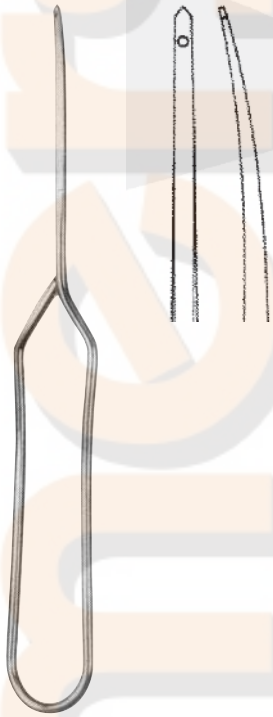


OBWEGESER
MS 108-2152 23,0 cm / 9"



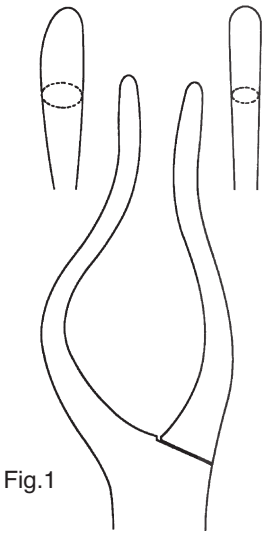
KELSEY-FRY

MS 108-2160 15,0 cm / 6"



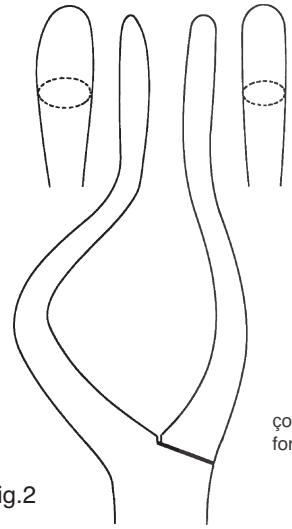
KELSEY-FRY

MS 108-2161 18,0 cm / 7¼"



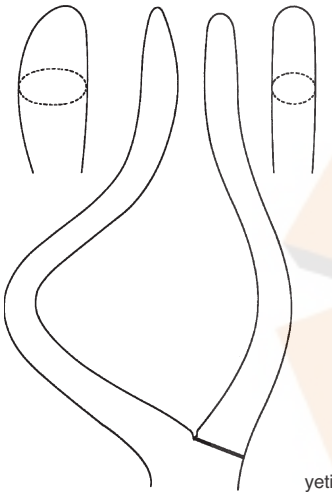
bebek için
for babies

Fig.1



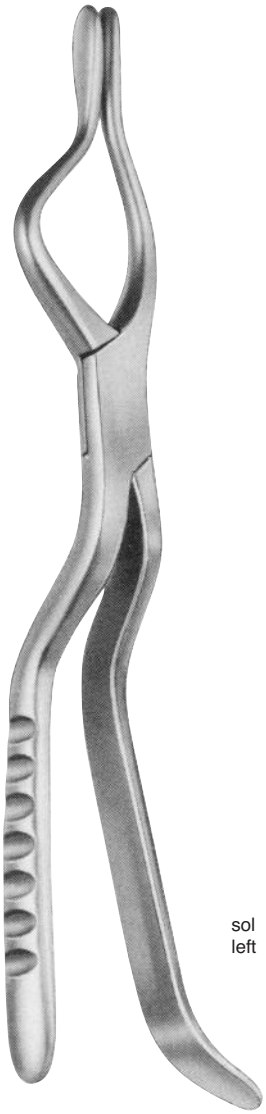
çocuklar için
for children

Fig.2



yetişkin için
for adults

Fig.3



sol
left

ROWE

MS 108-2170	Fig. 1	22,5 cm
MS 108-2171	Fig. 2	23,5 cm
MS 108-2172	Fig. 3	24,0 cm



sağ
right

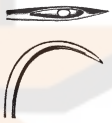
ROWE

MS 108-2175	Fig. 1	22,5 cm
MS 108-2176	Fig. 2	23,5 cm
MS 108-2177	Fig. 3	24,0 cm

















HURD
MS 108-2180 21,0 cm / 8¼"

HURD
MS 108-2181 21,0 cm / 8¼"

DUPUY WEISS
MS 108-2182 22,0 cm / 8¾"

DUPUY WEISS
MS 108-2183 22,0 cm / 8¾"



FISCHER

MS 108-2190 22,5 cm / 9"



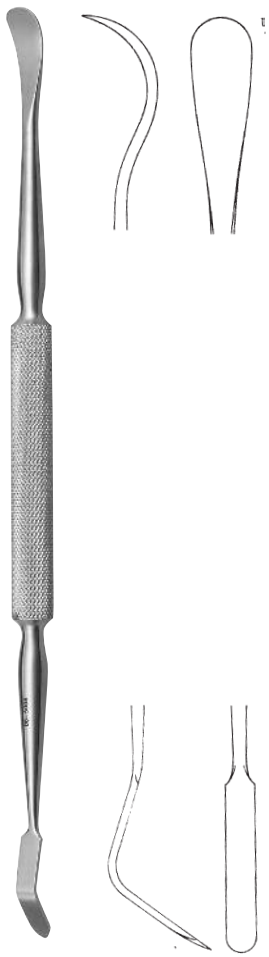
ABRAHAM

MS 108-2191 21,0 cm / 8¼"



BRÜNINGS

MS 108-2192 23,0 cm / 9"



CARPENTER

MS 108-2193 25,0 cm / 10"



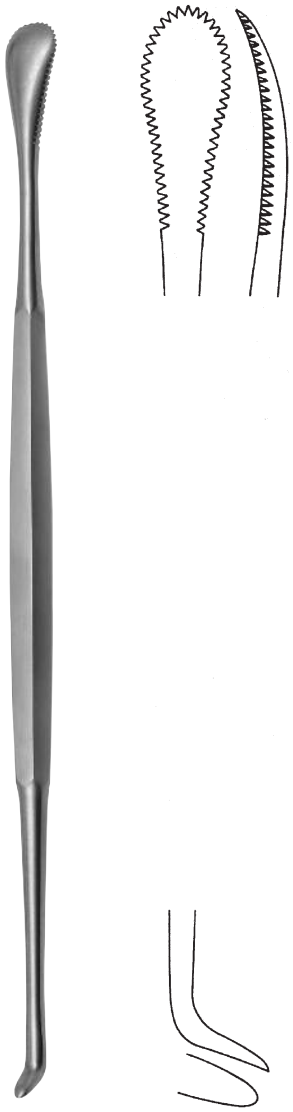
CARPENTER

MS 108-2194 24,0 cm / 9½"



HURD

MS 108-2195 22,5 cm / 9"



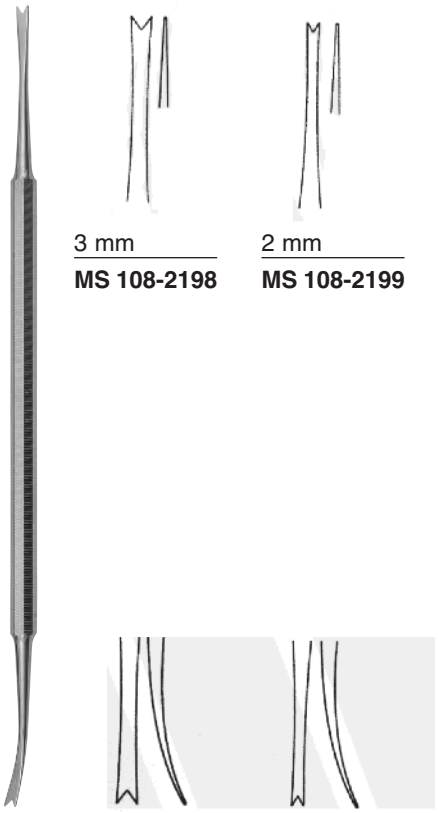
HENKE

MS 108-2196 23,0 cm / 9"



HENKE

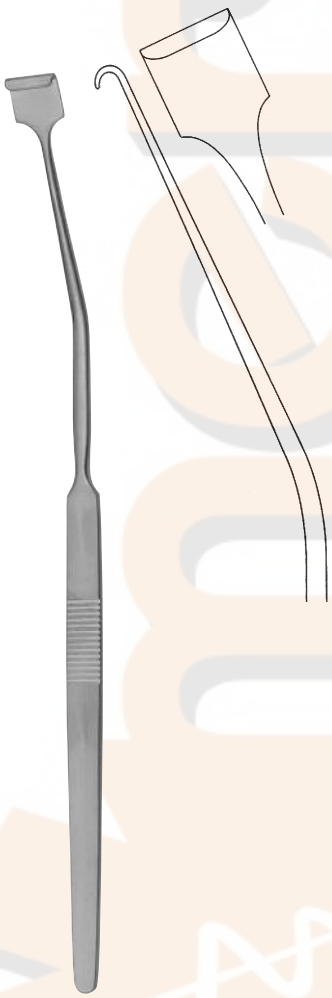
MS 108-2197 23,0 cm / 9"



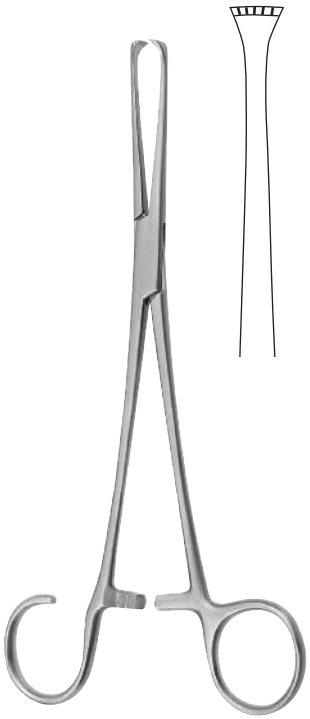
3 mm
MS 108-2198

2 mm
MS 108-2199

LUNIATSCHEK
17,5 cm / 6¾"



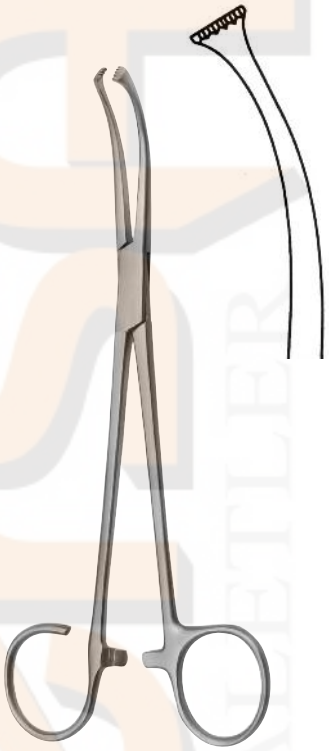
NAGER
MS 108-2200 24,0 cm / 9"



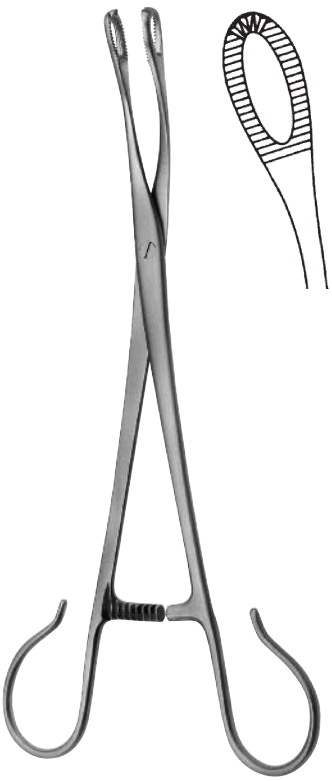
WHITE (COLVER)
MS 108-2210 19,0 cm / 7½"



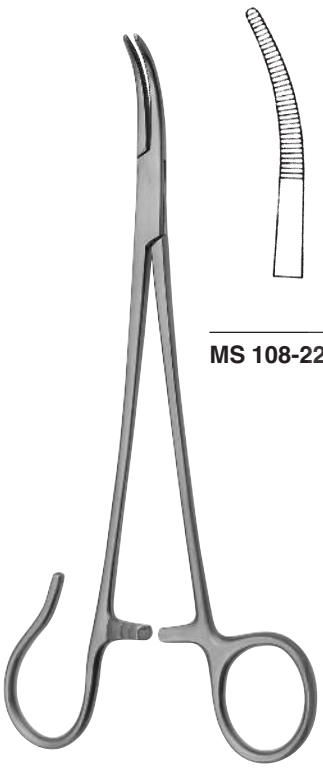
WHITE (COLVER)
MS 108-2211 18,0 cm / 7"



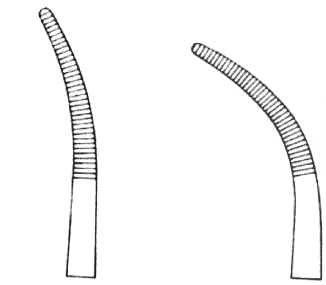
WHITE
MS 108-2212 18,0 cm / 7"
MS 108-2213 23,0 cm / 9"



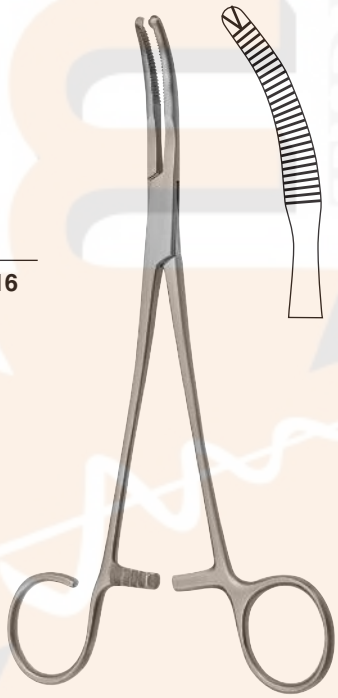
BLOHMKE
MS 108-2214 20,0 cm / 8"



SCHNIDT
19,0 cm / 7½"



MS 108-2215 **MS 108-2216**



MIKULICZ
MS 108-2217 18,5 cm / 7¼"



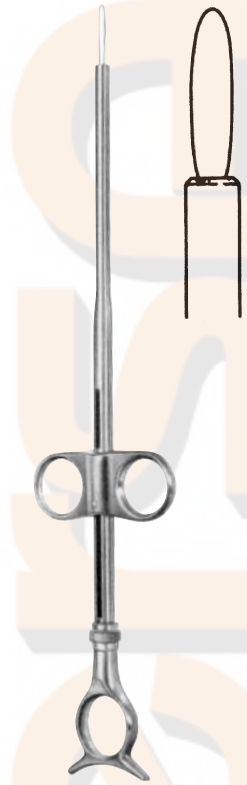
100'lü paket
package with 100 pcs.

MS 108-2230	40 mm
MS 108-2231	50 mm



12'li paket
bundle with 12 pcs.

MS 108-2232	Ø 0,35 mm
MS 108-2233	Ø 0,40 mm
MS 108-2234	Ø 0,45 mm
MS 108-2235	Ø 0,50 mm



EVES

MS 108-2240 28,0 cm / 11"



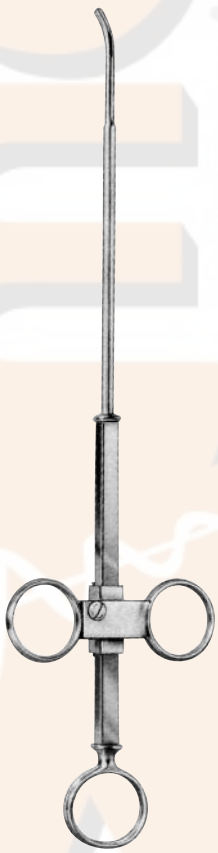
EVES

MS 108-2241 28,0 cm / 11"



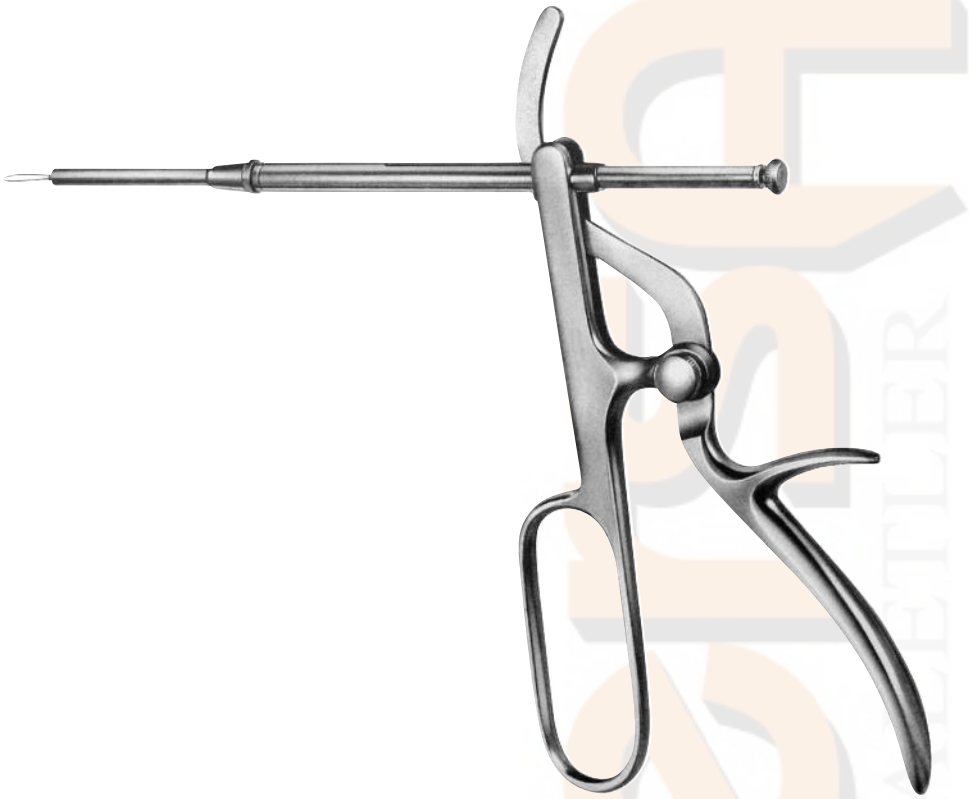
BRUENINGS

MS 108-2242 28,0 cm / 11"

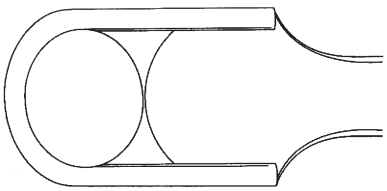


RÖDER

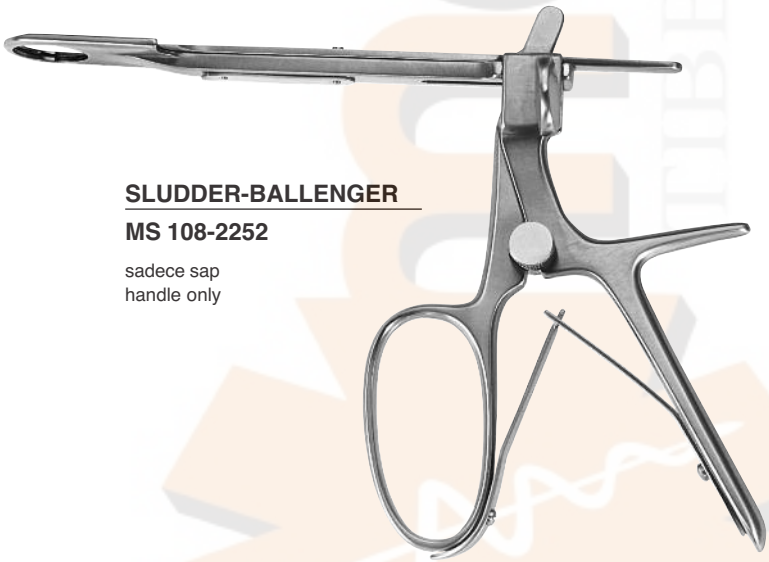
MS 108-2243 26,5 cm / 10½"



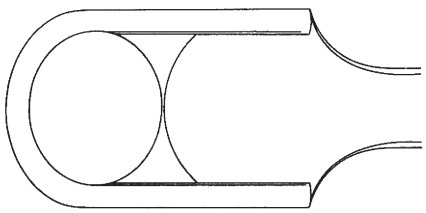
TYDING
MS 108-2250



SLUDDER-BALLENGER
MS 108-2253 Fig.1

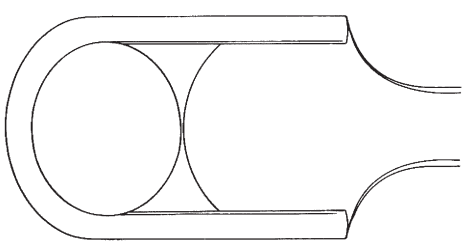


SLUDDER-BALLENGER
MS 108-2252
sadece sap
handle only



SLUDDER-BALLENGER
MS 108-2254 Fig.2

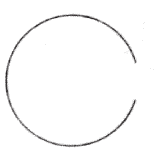
SLUDDER-BALLENGER
MS 108-2251
3 ucu ile komple set
complete with 3 tips



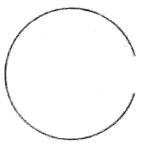
SLUDDER-BALLENGER
MS 108-2255 Fig.3



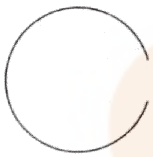
HARTMANN



MS 108-2260 Ø 13 mm



MS 108-2261 Ø 15 mm



MS 108-2262 Ø 17 mm



CHEVALIER-JACKSON



Fig. 1

MS 108-2270	30,0 cm
MS 108-2271	40,0 cm
MS 108-2272	50,0 cm
MS 108-2273	60,0 cm



Fig. 2

MS 108-2274	30,0 cm
MS 108-2275	40,0 cm
MS 108-2276	50,0 cm
MS 108-2277	60,0 cm



Fig. 3

MS 108-2278	30,0 cm
MS 108-2279	40,0 cm
MS 108-2280	50,0 cm
MS 108-2281	60,0 cm



Fig. 4

MS 108-2282	30,0 cm
MS 108-2283	40,0 cm
MS 108-2284	50,0 cm
MS 108-2285	60,0 cm



Fig. 5

MS 108-2286	30,0 cm
MS 108-2287	40,0 cm
MS 108-2288	50,0 cm
MS 108-2289	60,0 cm



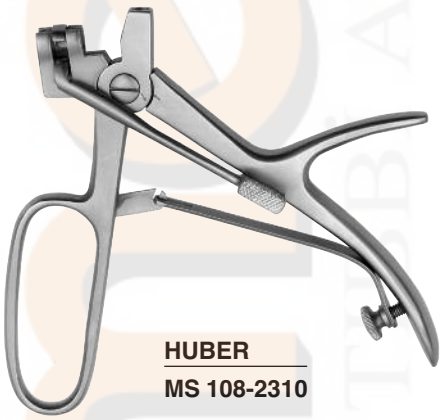
Fig. 6

MS 108-2290	30,0 cm
MS 108-2291	40,0 cm
MS 108-2292	50,0 cm
MS 108-2293	60,0 cm



Fig. 7

MS 108-2294	30,0 cm
MS 108-2295	40,0 cm
MS 108-2296	50,0 cm
MS 108-2297	60,0 cm



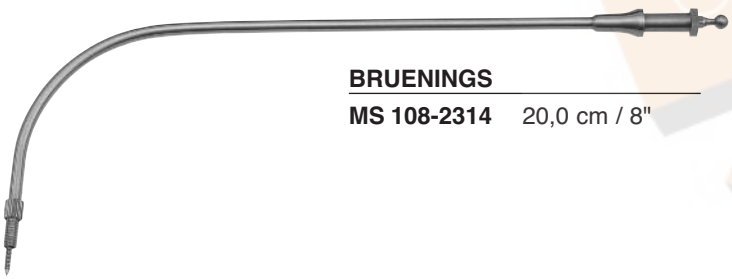
HUBER

MS 108-2310



BRUENINGS

MS 108-2311	20,0 cm / 8"
MS 108-2312	30,0 cm / 12"
MS 108-2313	40,0 cm / 16"



BRUENINGS

MS 108-2314 20,0 cm / 8"



FRAENKEL
MS 108-2320



SEIFFERT
MS 108-2321



FRAENKEL
MS 108-2322



SCHEINMANN
MS 108-2323



SCHEINMANN
MS 108-2324



BRUENINGS
MS 108-2325
MS 108-2326



BRUENINGS
MS 108-2327
MS 108-2328



LANGE
MS 108-2329



KRAUSE
MS 108-2330
MS 108-2331



KRAUSE
MS 108-2332



CORDES
MS 108-2333
MS 108-2334
MS 108-2335
MS 108-2336



SCHUMACHER
MS 108-2337



CORDES
MS 108-2338
MS 108-2339



CORDES
MS 108-2340



ROSENBERG
MS 108-2341



MS 108-2350



MS 108-2351



JURASZ
23,0 cm / 9"



MS 108-2352

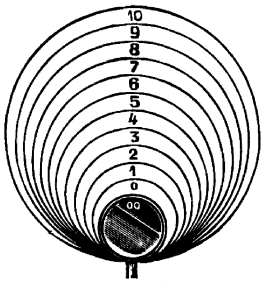


MS 108-2353



REICHERT
MS 108-2360 24,0 cm / 9½"







MS 108-2370	Fig. 00 = 8 mm Ø	**MS 108-2390**
MS 108-2371	Fig. 0 = 10 mm Ø	**MS 108-2391**
MS 108-2372	Fig. 1 = 12 mm Ø	**MS 108-2392**
MS 108-2373	Fig. 2 = 10 mm Ø	**MS 108-2393**
MS 108-2374	Fig. 3 = 16 mm Ø	**MS 108-2394**
MS 108-2375	Fig. 4 = 18 mm Ø	**MS 108-2395**
MS 108-2376	Fig. 5 = 20 mm Ø	**MS 108-2396**
MS 108-2377	Fig. 6 = 22 mm Ø	**MS 108-2397**
MS 108-2378	Fig. 7 = 24 mm Ø	**MS 108-2398**
MS 108-2379	Fig. 8 = 26 mm Ø	**MS 108-2399**
MS 108-2380	Fig. 9 = 28 mm Ø	**MS 108-2400**
MS 108-2381	Fig. 10 = 30 mm Ø	**MS 108-2401**



MICHEL
25,0 cm / 10"



Ø 12 mm
MS 108-2410



Ø 14 mm
MS 108-2411



Ø 16 mm
MS 108-2412

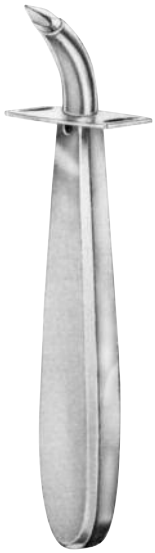


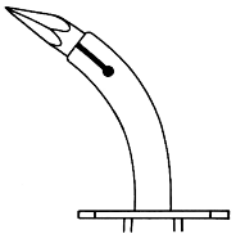
Ø 18 mm
MS 108-2413



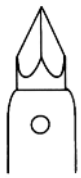


MS 108-2420 10,0 cm **MS 108-2421** 12,0 cm





UECKERMANN
13,0 cm / 5"



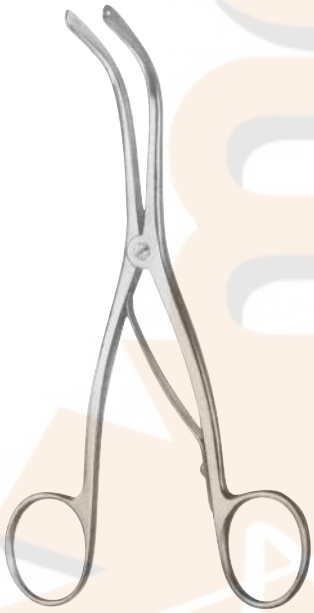
MS 108-2425 Ø 7,5 mm



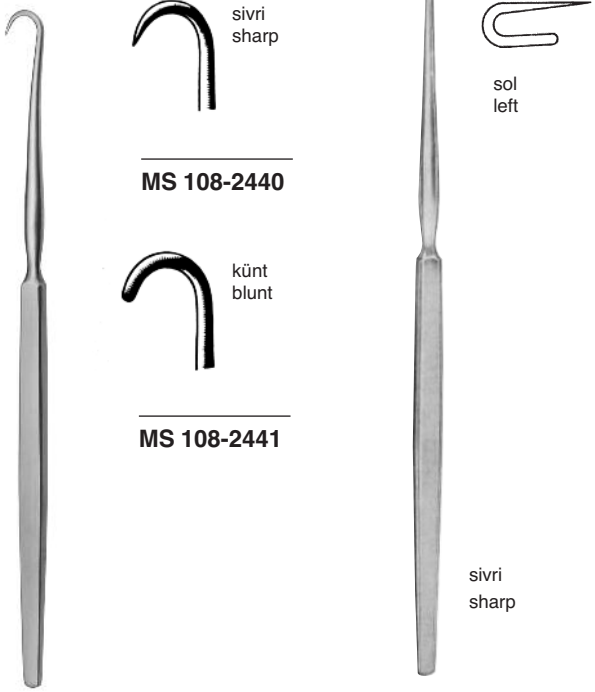
MS 108-2426 Ø 9 mm



LABORDE
MS 108-2430 14,0 cm / 5½"



TROUSSEAU
MS 108-2431 12,0 cm / 4¾"
MS 108-2432 14,0 cm / 5½"

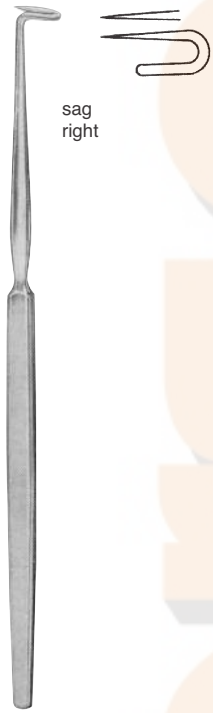


MS 108-2440

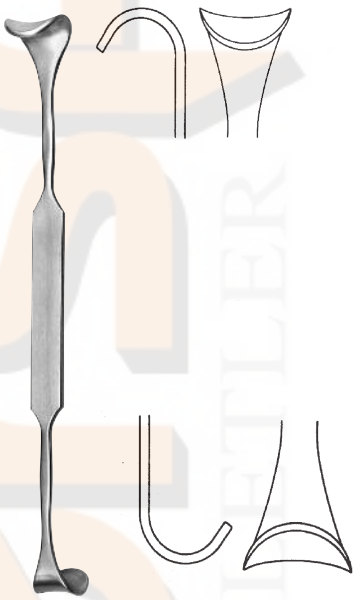
MS 108-2441

ITERSON
17,0 cm / 6¼"

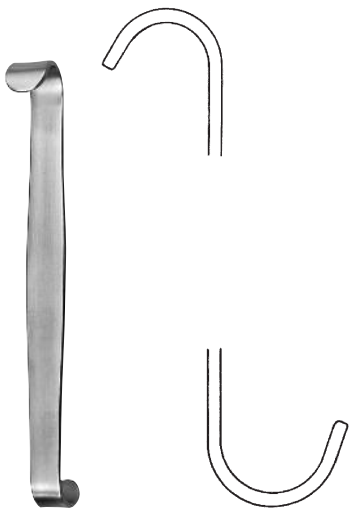
BOSE
MS 108-2445 16,0 cm / 6¼"



BOSE
MS 108-2446 16,0 cm / 6¼"



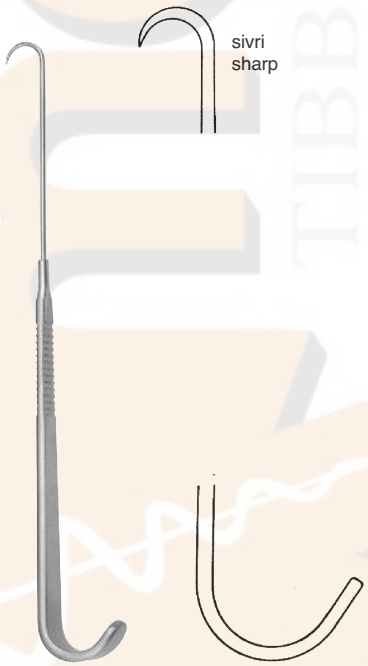
ROSE
MS 108-2450 13,5 cm / 5"



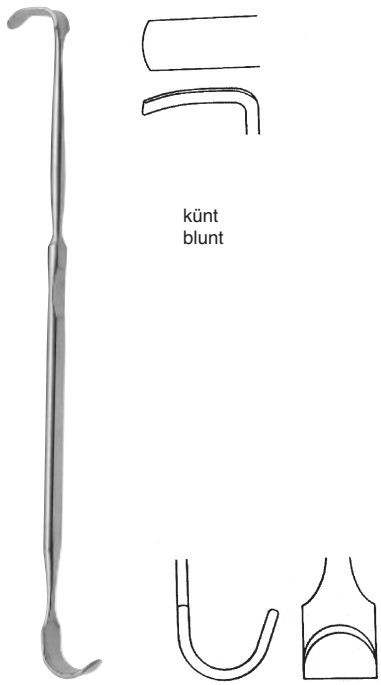
LUER
MS 108-2450 11,0 cm / 4½"



JACKSON
MS 108-2455 15,0 cm / 6"



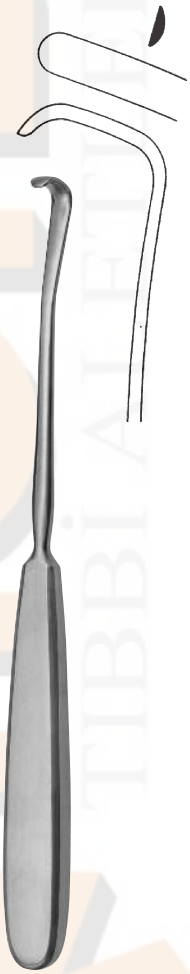
MS 108-2460 15,0 cm / 6"



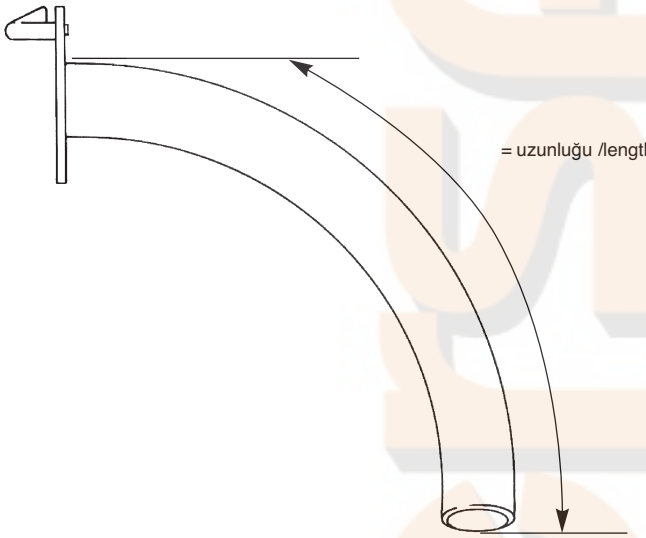
LUKENS
MS 108-2465 17,0 cm / 6¾"



JACKSON
MS 108-2470 17,0 cm / 6¾"



SCHOENBORN
MS 108-2475 21,0 cm / 8¼"







LUER			L
MS 108-2480	Fig. 0	Ø 4 mm	45 mm
MS 108-2481	Fig. 1	Ø 5 mm	50 mm
MS 108-2482	Fig. 2	Ø 6 mm	55 mm
MS 108-2483	Fig. 3	Ø 7 mm	60 mm
MS 108-2484	Fig. 4	Ø 8 mm	65 mm
MS 108-2485	Fig. 5	Ø 9 mm	70 mm
MS 108-2486	Fig. 6	Ø 10 mm	75 mm
MS 108-2487	Fig. 7	Ø 11 mm	80 mm
MS 108-2488	Fig. 8	Ø 12 mm	85 mm
MS 108-2489	Fig. 9	Ø 13 mm	90 mm

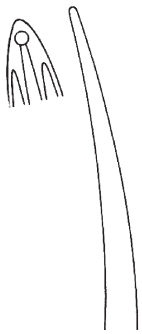
CHEVALIER-JACKSON			L
MS 108-2500	Fig. 0	Ø 4 mm	45 mm
MS 108-2501	Fig. 1	Ø 5 mm	50 mm
MS 108-2502	Fig. 2	Ø 6 mm	55 mm
MS 108-2503	Fig. 3	Ø 7 mm	60 mm
MS 108-2504	Fig. 4	Ø 8 mm	65 mm
MS 108-2505	Fig. 5	Ø 9 mm	70 mm
MS 108-2506	Fig. 6	Ø 10 mm	75 mm
MS 108-2507	Fig. 7	Ø 11 mm	80 mm
MS 108-2508	Fig. 8	Ø 12 mm	85 mm
MS 108-2509	Fig. 9	Ø 13 mm	90 mm



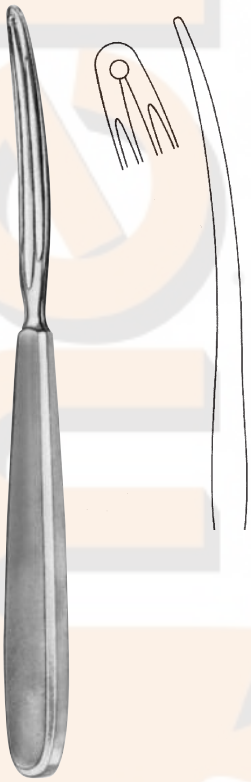
KOCHER
15,0 cm / 6"



MS 108-2520



MS 108-2521



KOCHER
MS 108-2522 18,0 cm / 7"



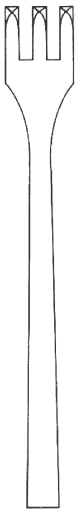
LAHEY

3x3

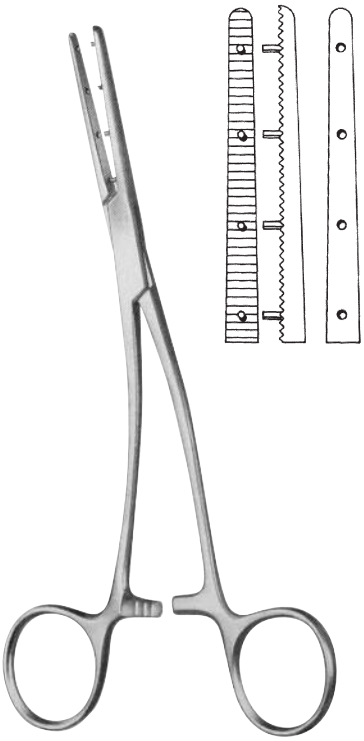


MS 108-2530
15,0 cm / 6"

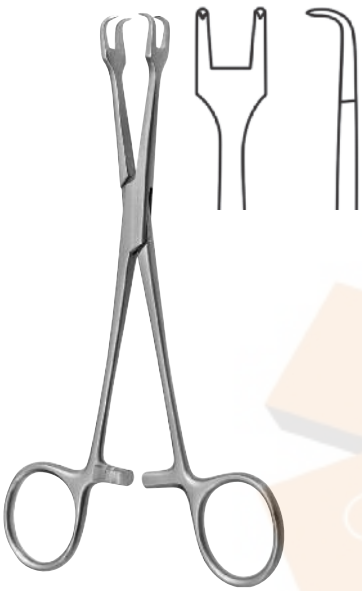
3x3



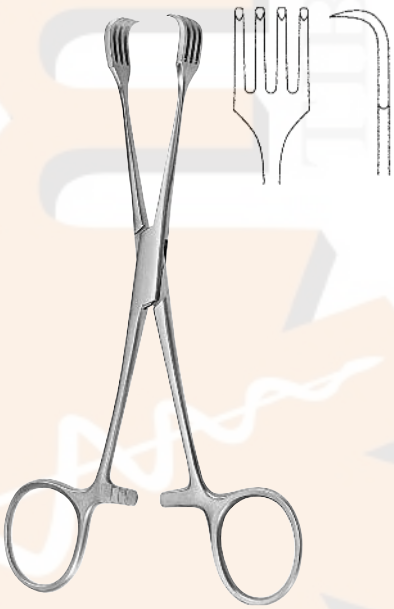
MS 108-2531
20,0 cm / 8"



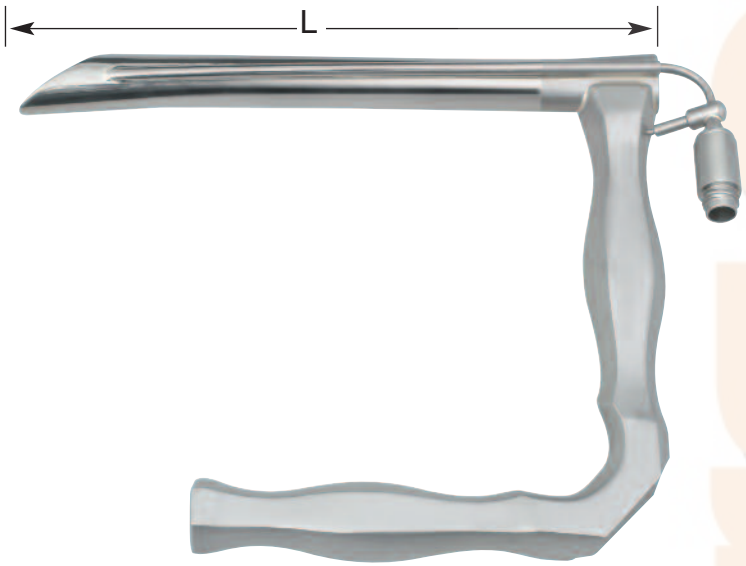
MASTIN
MS 108-2535 17,0 cm / 7"



LAHEY
MS 108-2536 15,0 cm / 6"

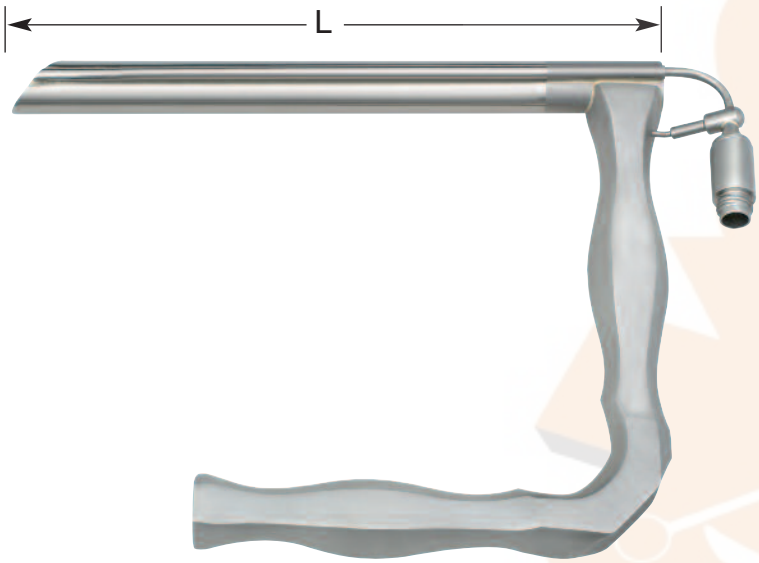


BRAUN
MS 108-2537 15,0 cm / 6"



HOLINGER	L
MS 108-2550	171 mm
MS 108-2551	180 mm

MS 108-2552
MS 108-2553
yedek ışık taşıyıcı
Spare light carriers



JACKSON	L
MS 108-2560	120 mm
MS 108-2561	170 mm
MS 108-2562	180 mm

MS 108-2563
MS 108-2564
MS 108-2565
yedek ışık taşıyıcı
Spare light carriers



K

	at.No. Cat.-No.	Şekil Figure	Uzunluğu Lenght	için for	Yedek ışık taşıyıcı Spare light carriers
	**MS 108-2580**	1	135 mm	bebekler / infants	**MS 108-2630**
	**MS 108-2581**	2	152 mm	çocuklar / children	**MS 108-2630**
	**MS 108-2582**	3	182 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2583**	4	172 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2584**	5	172 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2585**	6	182 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2586**	7	222 mm	yetişkin / adults	**MS 108-2632**

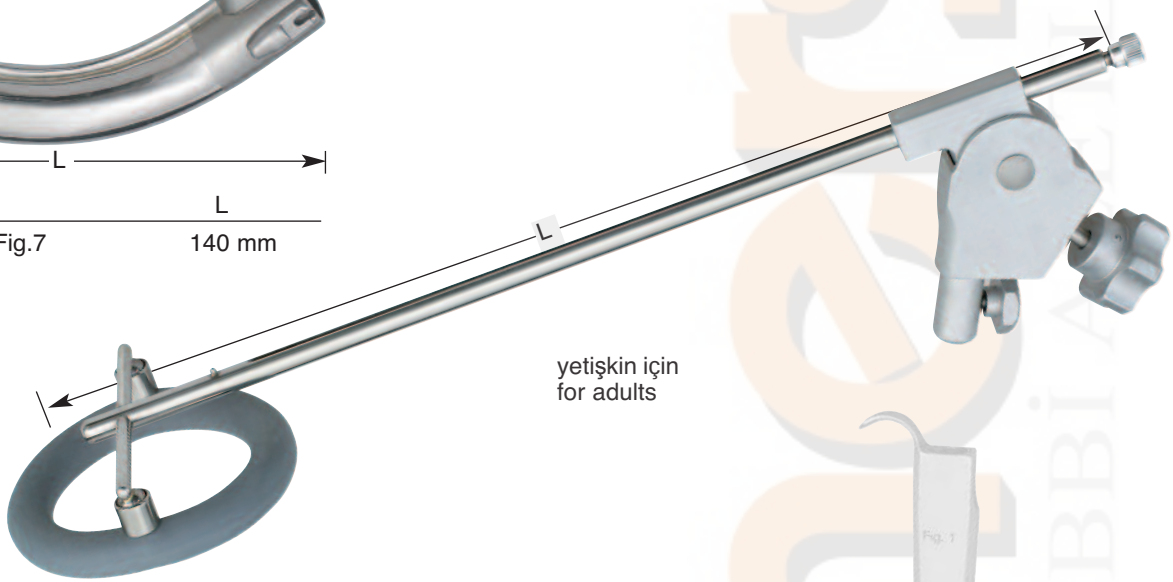


K

	at.No. Cat.-No.	Şekil Figure	Uzunluğu Lenght	için for	Yedek ışık taşıyıcı Spare light carriers
	**MS 108-2600**	1	135 mm	bebekler / infants	**MS 108-2630**
	**MS 108-2601**	2	152 mm	çocuklar / children	**MS 108-2630**
	**MS 108-2602**	3	182 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2603**	4	172 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2604**	5	172 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2605**	6	182 mm	yetişkin / adults	**MS 108-2631**
	**MS 108-2606**	7	222 mm	yetişkin / adults	**MS 108-2632**



		L
MS 108-2610	Fig.7	140 mm



yetişkin için
for adults

	L
MS 108-2620	34,0 cm





çocuk için
for children

	L
MS 108-2621	24,0 cm



MS 108-2622



MS 108-2630

Fiber optik ışık taşıyıcı, küçük, Şekil 1-2 Laryngoskop için
Fiber optic Light carrier, small, for Laryngoscopes Fig. 1+ 2



MS 108-2631

Fiber optik ışık taşıyıcı, orta, Şekil 3-6 Laryngoskop için
Fiber optic Light carrier, medium, for Laryngoscopes Fig. 3 to 6



MS 108-2632

Fiber optik ışık taşıyıcı, büyük, Şekil 7Laryngoskop için
Fiber optic Light carrier, large, for Laryngoscopes Fig. 7



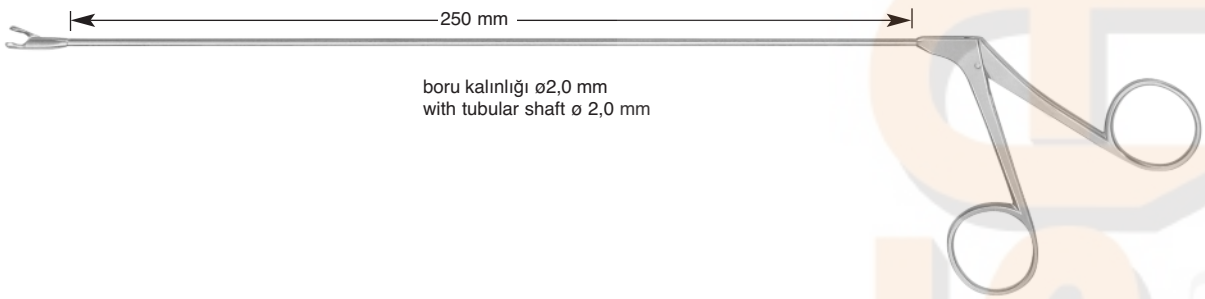
MS 108-2633

Şekil 3-7 Laryngoskop için
For Laryngoscopes Fig. 3 to 7



MS 108-2634

Şekil 3-7 Laryngoskop için
For Laryngoscopes Fig. 3 to 7



boru kalınlığı ø2,0 mm
with tubular shaft ø 2,0 mm

düz
straight



MS 108-2650
yuvarlak ağız ø 2,5 mm
round cup ø 2,5 mm

sola eğri
curved left



MS 108-2651
yuvarlak ağız ø 2,5 mm
round cup ø 2,5 mm

sağa eğri
curved right



MS 108-2652
yuvarlak ağız ø 2,5 mm
round cup ø 2,5 mm

yukarı açılı
angled upward



MS 108-2653
yuvarlak ağız ø 2,5 mm
round cup ø 2,5 mm

düz
straight



MS 108-2654

sola eğri
curved left



MS 108-2655

sağa eğri
curved right



MS 108-2656

düz
straight



MS 108-2657

sola eğri
curved left



MS 108-2658

sağa eğri
curved right



MS 108-2659

yukarı açılı
angled upward



MS 108-2660

mersa
TIBBİ ALETLER

109

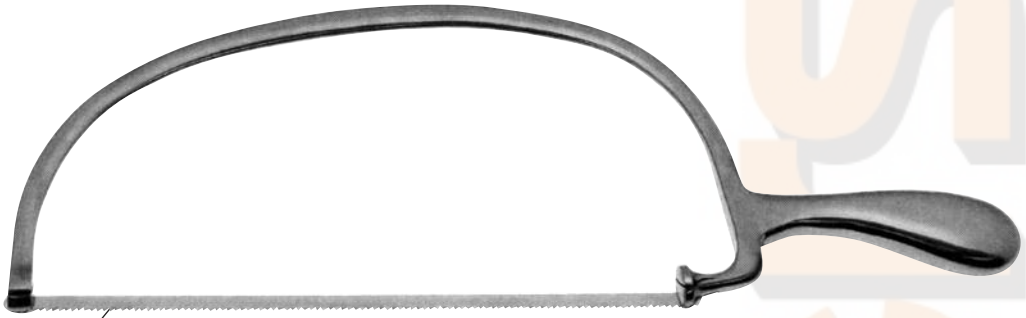


ORTOPEDİ
ORTHOPEDIC



MS 109-102 4 mm

MS 109-103 6 mm



MS 109-104 8 mm

BIER

MS 109-101 40,5 cm / 16"

Komple
complete



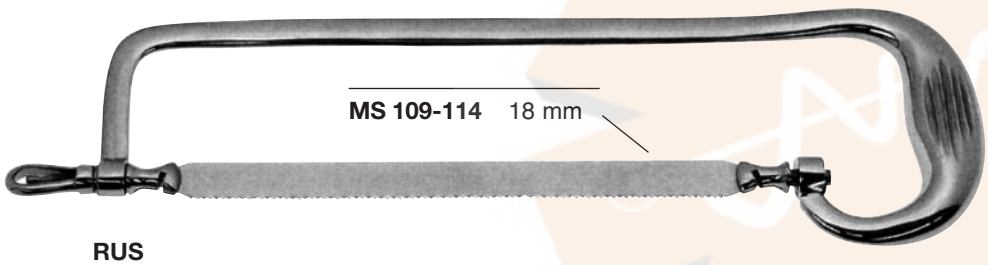
MS 109-113 12 mm



MS 109-112 8 mm



MS 109-111 6 mm



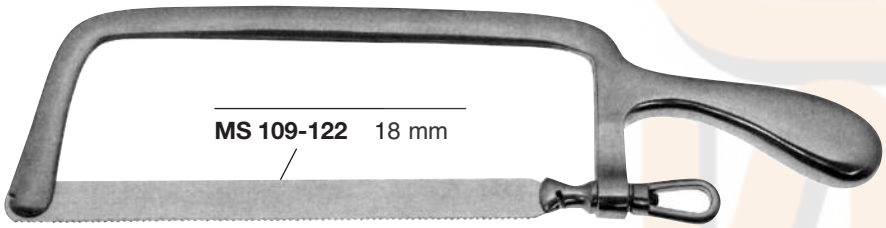
MS 109-114 18 mm

RUS

MS 109-110 39,0 cm / 15½"
4 testere bıçağı ile komple (1 x MS 109-111, 1 x MS 109-112, 2 x MS 109-113)
complete with 4 Saw blades (1 x MS 109-111, 1 x MS 109-112, 2 x MS 109-113)



MS 109-121 12 mm



MS 109-122 18 mm

CHARRIÉRE

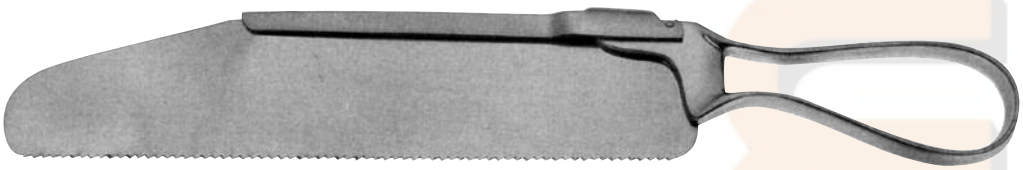
MS 109-120 35,0 cm / 13¾"

Komple
complete



LANGENBECK

MS 109-130 23,5 cm / 9¼"



MS 109-138 20,0 cm / 8"

Yedek bıçak için MS 109-136
Spareblade for MS 109-136

CHARRIÉRE

MS 109-135 27,0 cm / 10¾"
MS 109-136 30,0 cm / 11¾"

MS 109-137 15,0 cm / 6"

Yedek bıçak için MS 109-135
Spareblade for MS 109-035

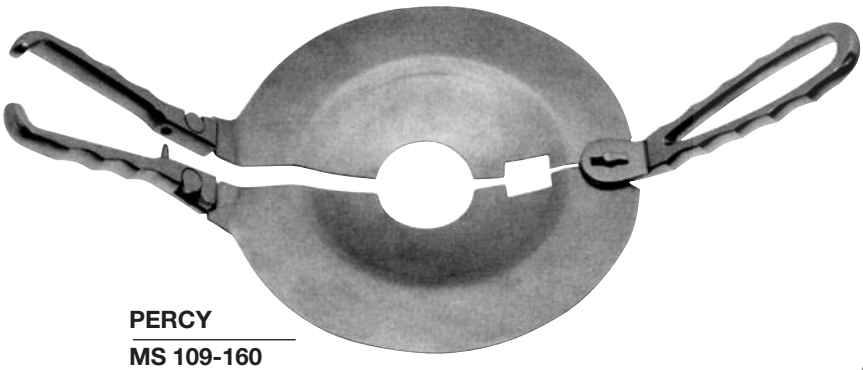


SATTERLEE

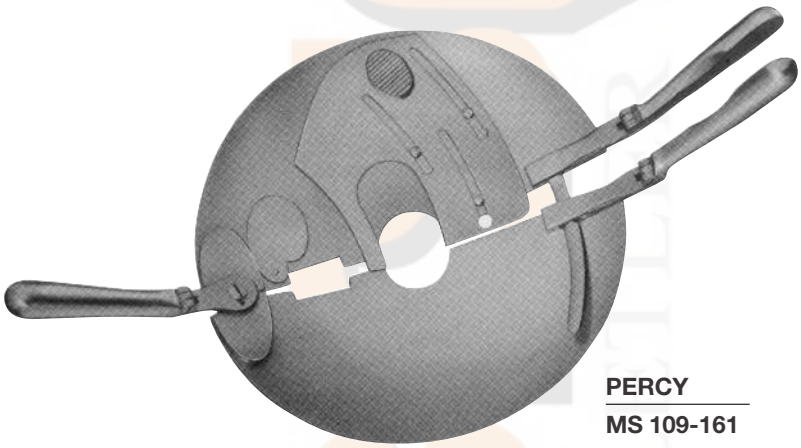
MS 109-150 29,0 cm / 11¼"

MS 109-151 20,0 cm / 8"

yedek Bıçak
Spareblade



PERCY
MS 109-160



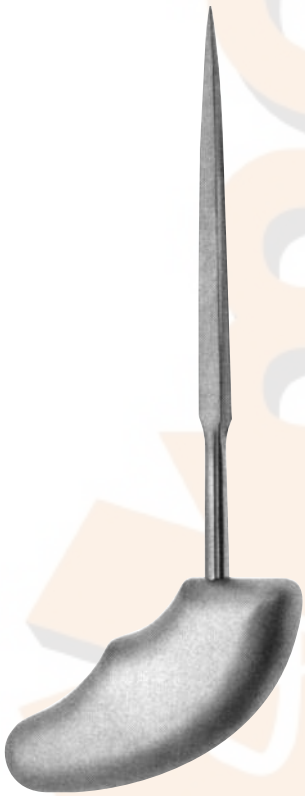
PERCY
MS 109-161



MS 109-165 14,0 cm / 5½"
MS 109-166 16,0 cm / 6¼"



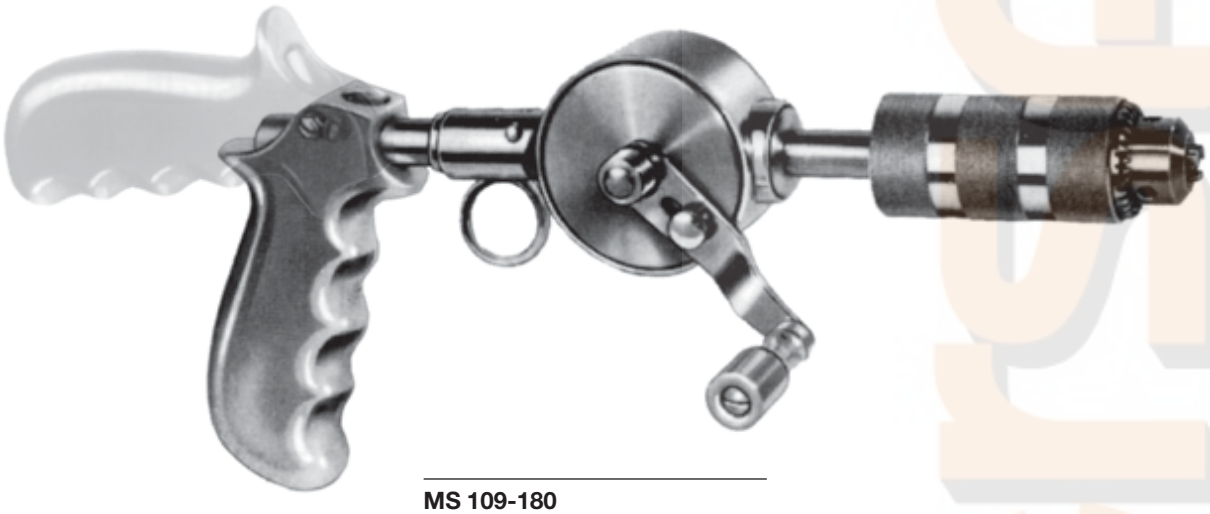
PERTHES
MS 109-170 18,0 cm / 7"



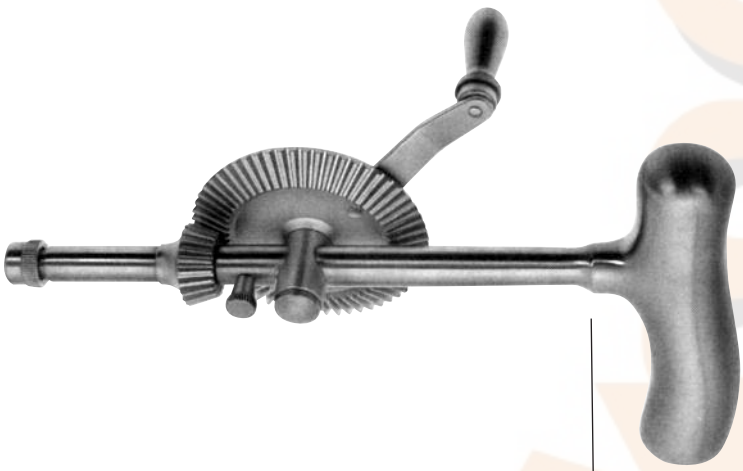
PERTHES
MS 109-171 21,5 cm / 8½"



MS 109-175 14,0 cm / 5½"



MS 109-180



STILLE

MS 109-185

Komple set 4 matkap, 4 daire matkap, 1 trefin
complete with 4 drills, 4 burrs, 1 trephine

MS 109-190

Sadece elle kemik matkabı
Hand Bone Drill, only



MS 109-191 Ø 1,0 mm



MS 109-192 Ø 1,5 mm



MS 109-193 Ø 2,0 mm



MS 109-194 Ø 2,5 mm



MS 109-195 Ø 3,0 mm



MS 109-196 Ø 3,5 mm



MS 109-197 Ø 4,0 mm



MS 109-198 Ø 10,0 mm



MS 109-199 Ø 5,0 mm



MS 109-200 Ø 8,0 mm



MS 109-201 Ø 12,0 mm



MS 109-202 Ø 16,0 mm



HUDSON

MS 109-211

Sadece el matkabı
Hand Bone Drill with quick lock, only

HUDSON

MS 109-210

komple set 4 daire matkap ile
complete with extension piece and 4 burrs



MS 109-212



MS 109-213 Ø 9,0 mm



MS 109-214 Ø 14,0 mm



MS 109-215 Ø 16,0 mm



MS 109-216 Ø 22,0 mm



CUSHING

MS 109-217 Ø 13,0 mm



ADSON

MS 109-218 Ø 2,4 mm



MC KENZIE

MS 109-219 Ø 13,0 mm



D`ERRICO

MS 109-220 Ø 16,0 mm



MS 109-230 14,0 cm



MS 109-231 10,0 cm



MS 109-232



MS 109-233 15,0 cm



MS 109-234 16,0 cm / 6¼"



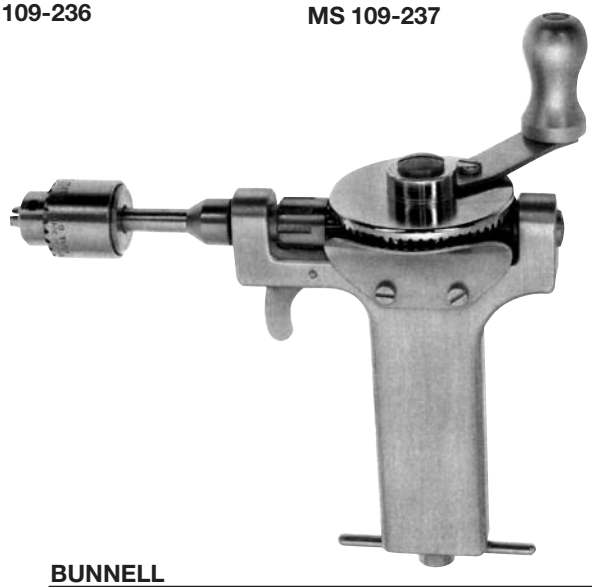
MS 109-235 16,0 cm



MS 109-236



MS 109-237



BUNNELL

MS 109-250



RALK

MS 109-251







LOWMAN

MS 109-260	12,0 cm / 4¾"	a = 19,0 mm
MS 109-261	18,0 cm / 7"	a = 25,0 mm
MS 109-262	20,0 cm / 8"	a = 29,0 mm

LOWMAN

MS 109-270	12,0 cm / 4¾"	a = 19,0 mm
MS 109-271	18,0 cm / 7"	a = 25,0 mm
MS 109-272	20,0 cm / 8"	a = 29,0 mm
MS 109-273	22,0 cm / 8¾"	a = 31,0 mm



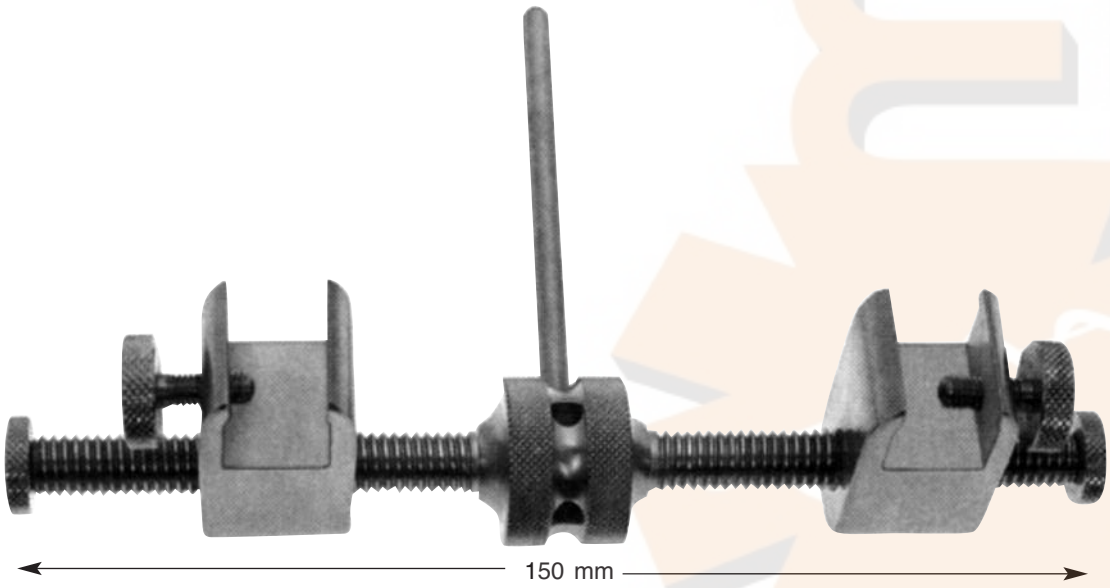
LOWMAN-LAMBER

MS 109-280 21,0 cm / / 8¼"



LOWMAN-HOGLUND

MS 109-281 18,0 cm / / 7"



GERSTER

MS 109-290

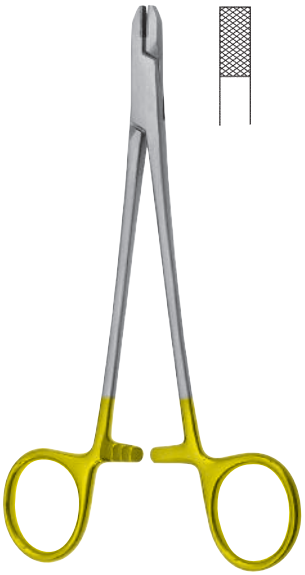


BARRY-STERNDAL

MS 109-300 18,5 cm / 7¼"



MS 109-301 15,0 cm / 6"
MS 109-302 20,0 cm / 8"



MS 109-303 15,0 cm / 6"
MS 109-304 20,0 cm / /8"

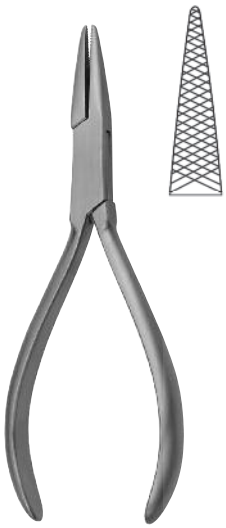


CROWIN-HEGAR

MS 109-305 16,0 cm / 6¼""



MS 109-320 14,0 cm / 5¼"

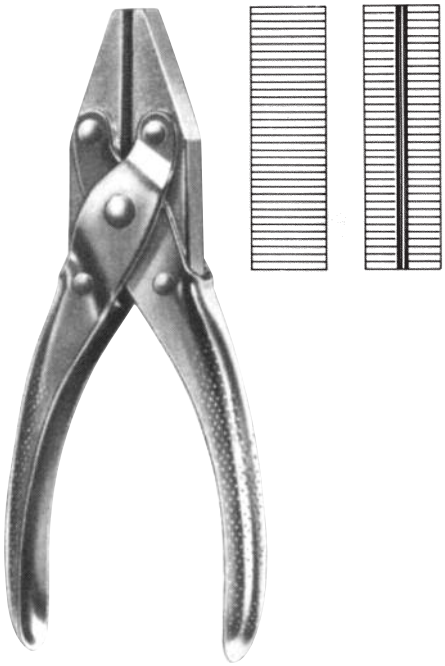


MS 109-321 14,0 cm / 5¼"

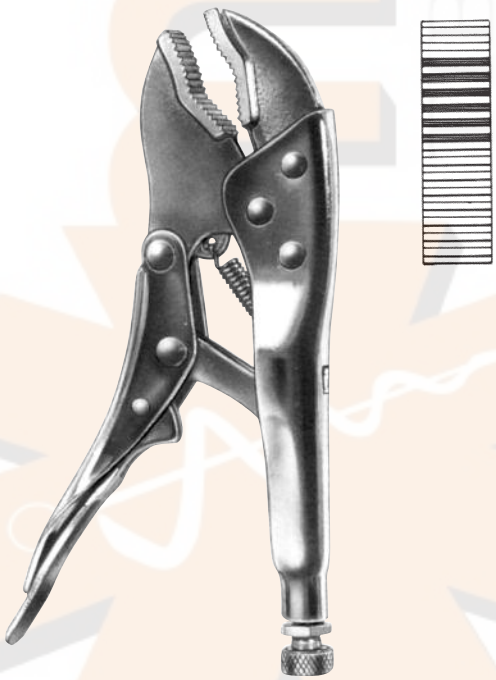


HACKSTOCK

MS 109-322 16,0 cm / 6¼"



MS 109-323 18,0 cm / 7"



MS 109-324 18,0 cm / 7"



MS 109-325 17,0 cm / 6¾"



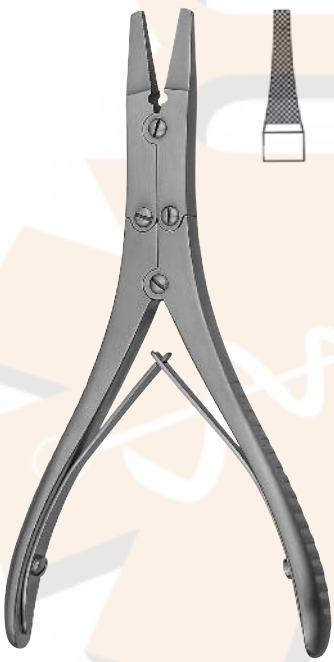
MS 109-336 17,0 cm / 6¾"



MS 109-327 19,0 cm / 7½"



MS 109-328 15,0 cm / 6"



MS 109-329 14,5 cm / 5¾"





Fig. 1
MS 109-340
18,0 cm / 7"



Fig. 2
MS 109-341
18,0 cm / 7"



Fig. 3
MS 109-342
18,0 cm / 7"



MS 109-350 18,0 cm / 7"

TC





Fig. 1
MS 109-351
18,0 cm / 7"



Fig. 2
MS 109-352
18,0 cm / 7"



Fig. 3
MS 109-353
18,0 cm / 7"



yumuşak teller için 2,4 mm Ø'e kadar
for soft wires up to 2,4 mm Ø

sert teller için 1,6 mm Ø'e kadar
for hard wires up to 1,6 mm Ø

MS 109-360 18,5 cm / 7¼"

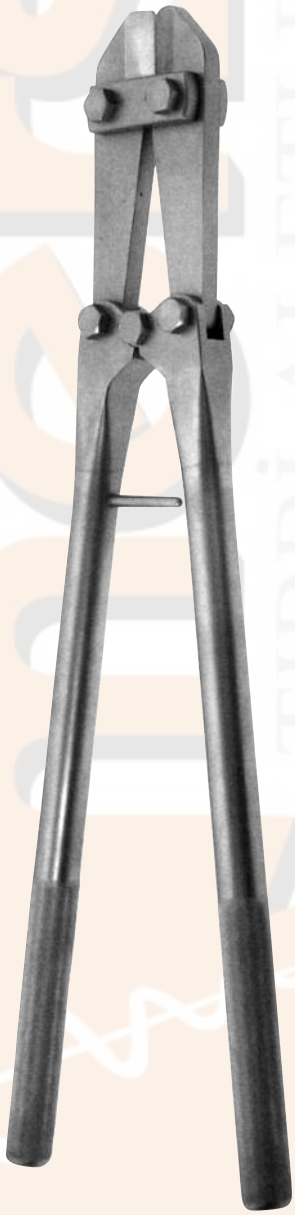


yumuşak teller için 2,4 mm Ø'e kadar
for soft wires up to 2,2 mm Ø

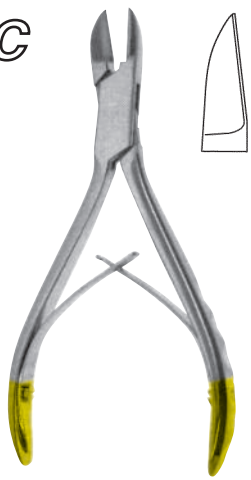
sert teller için 2,0 mm Ø'e kadar
for hard wires up to 2,0 mm Ø

FRIMED-DIAMAN

MS 109-361 16,0 cm / 6¼"



TC



yumuşak teller için 0,6 mm Ø'e kadar
for soft wires up to 0,6 mm Ø

sert teller için 0,4 mm Ø'e kadar
for hard wires up to 0,4 mm Ø

MS 109-362 12,5 cm / 5"

MS 109-363 47,0 cm / 18¼"
Ø 6 mm'e kadar tel, vida ve işaretçilerini kesme için
Cutters for cutting of wires, screws and pins up to diam, 6 mm





yumuşak teller için 2,0 mm Ø'e kadar
for soft wires up to 2,0 mm Ø

sert teller için 1,7 mm Ø'e kadar
for hard wires up to 1,7 mm Ø

MS 109-364 18,5 cm / 7¼"

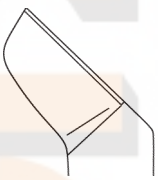




MS 109-365
17,5 cm / 7"

yumuşak teller için 2,0 mm Ø'e kadar
for soft wires up to 2,0 mm Ø

sert teller için 1,7 mm Ø'e kadar
for hard wires up to 1,7 mm Ø

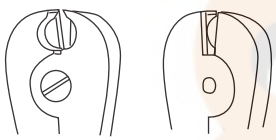


MS 109-366
22,0 cm / 8¾"

yumuşak teller için 2,8 mm Ø'e kadar
for soft wires up to 2,8 mm Ø

sert teller için 2,2 mm Ø'e kadar
for hard wires up to 2,2 mm Ø





yumuşak teller için 2,0 mm Ø'e kadar
for soft wires up to 2,0 mm Ø

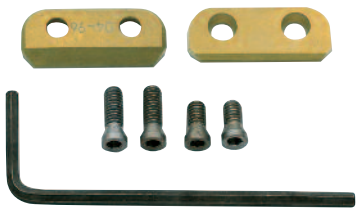
sert teller için 1,7 mm Ø'e kadar
for hard wires up to 1,7 mm Ø

MS 109-367 18,0 cm / 7"



sert teller için 2,2 mm Ø'e kadar
for hard wires up to 2,2 mm Ø

MS 109-380 18,0 cm / 7"



MS 109-390 için/for MS 109-380
MS 109-391 için/for MS 109-381 ve MS 109-382



MS 109-392 için/for MS 109-380, MS 109-381 ve MS 109-382

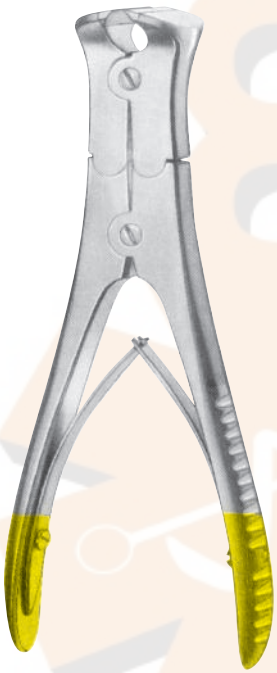


MS 109-381
23,0 cm / 9"

sert teller için 3,0 mm Ø'e kadar
for hard wires up to 3,0 mm Ø

MS 109-382
28,0 cm / 11"

sert teller için 2,5 - 4,0 mm Ø'e kadar
for hard wires up to 2,5 - 4,0 mm Ø



yumuşak teller için 3,0 mm Ø'e kadar
for soft wires up to 3,0 mm Ø

sert teller için 2,0 mm Ø
for hard wires up to 2,0 mm Ø

MS 109-400 22,0 cm / 8¾"

Kemik telleri, yumuşak, 10 m sargı halinde
Bone wires, soft, in coils of 10 m



MS 109-410	Ø 0,2 mm
MS 109-411	Ø 0,3 mm
MS 109-412	Ø 0,4 mm
MS 109-413	Ø 0,5 mm
MS 109-414	Ø 0,6 mm
MS 109-415	Ø 0,7 mm
MS 109-416	Ø 0,8 mm
MS 109-417	Ø 0,9 mm
MS 109-418	Ø 1,0 mm
MS 109-419	Ø 1,2 mm
MS 109-420	Ø 1,5 mm



LOUtE

MS 109-430 21,0 cm / 8 1/4"



DEMEL

MS 109-431 27,0 cm / 10 3/4"



DEMEL

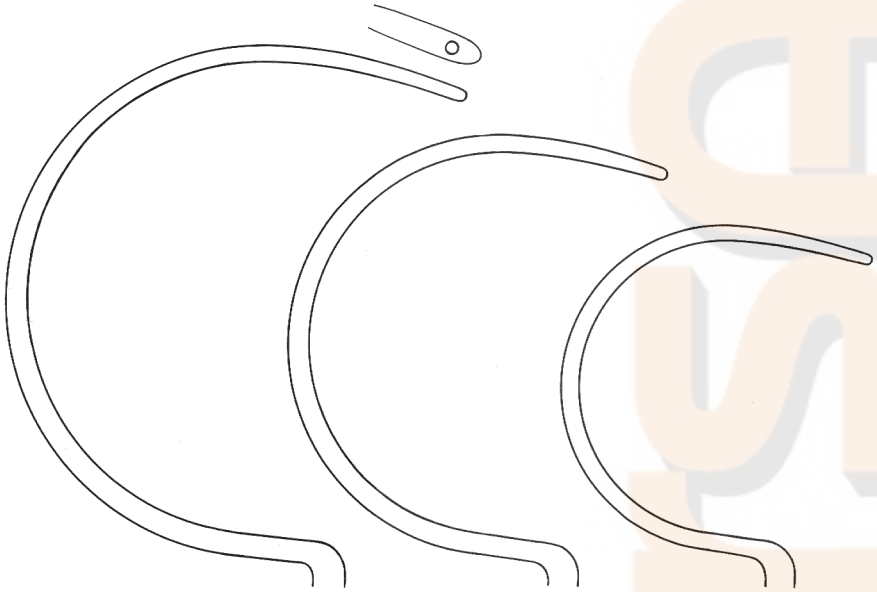


Fig.1
MS 109-435
31,0 cm / 12 1/4"

Fig.2
MS 109-436
29,0 cm / 11 1/4"

Fig.3
MS 109-437
28,0 cm / 11"

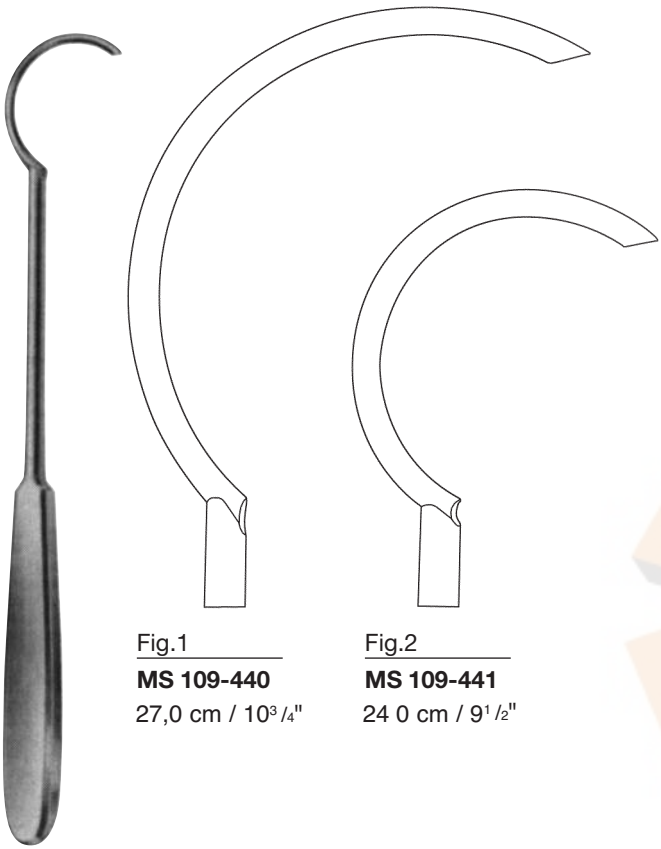
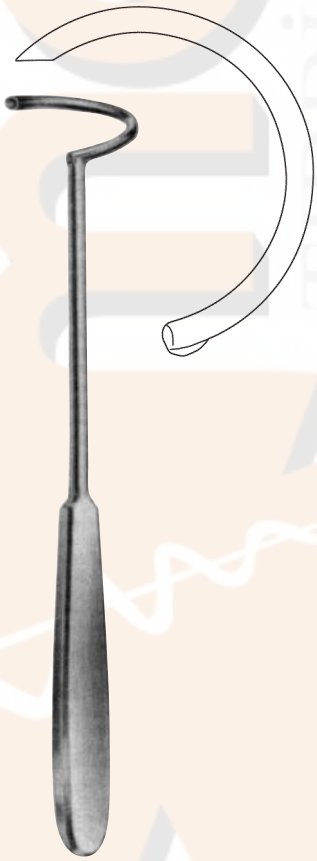
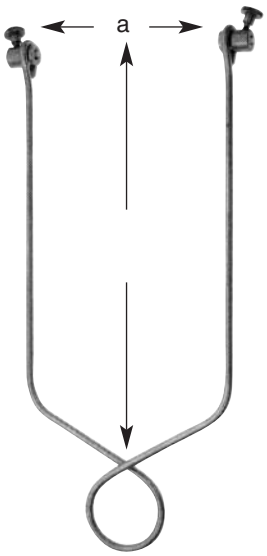


Fig.1
MS 109-440
27,0 cm / 10 3/4"

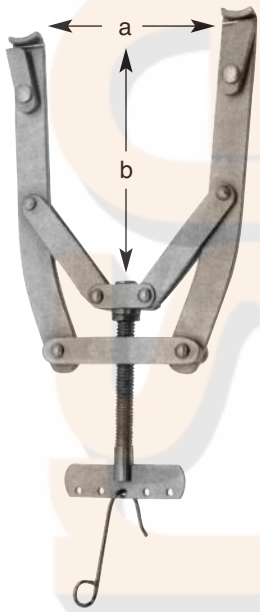
Fig.2
MS 109-441
24 0 cm / 9 1/2"



MS 109-442 22,5 cm / 9"



BÖHLER	a	b	
MS 109-450	90 mm	160 mm	kolu için / for arm
MS 109-451	110 mm	210 mm	femur ve diz için / for femur and knee
MS 109-452	150 mm	210 mm	femur ve diz için / for femur and knee



KIRSCHNER	a	b
MS 109-460	0-105 mm	80-95 mm
MS 109-461	0-160 mm	90-120 mm
MS 109-462	0-200 mm	140-170 mm



	a	b
MS 109-470	40-130 mm	100 mm
MS 109-471	80-260 mm	150 mm



MS 109-475



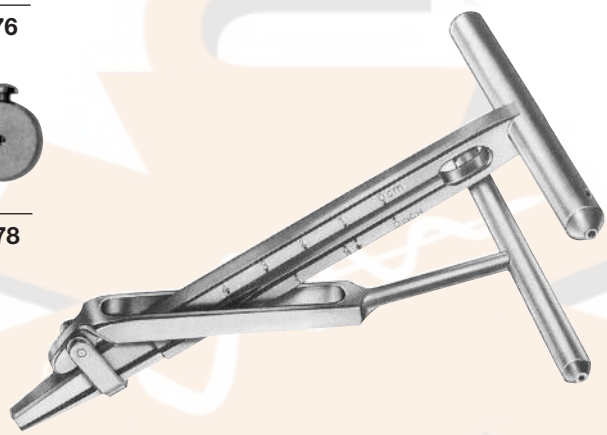
MS 109-476



MS 109-477



MS 109-478



VICKERS-EASYDRIVER

MS 109-490 14,0 cm / 5½"



STEINMANN

MS 109-500	Ø 4,0 x 80 mm
MS 109-501	Ø 4,0 x 100 mm
MS 109-502	Ø 4,0 x 120 mm
MS 109-503	Ø 4,0 x 140 mm
MS 109-504	Ø 4,0 x 150 mm
MS 109-505	Ø 4,0 x 160 mm
MS 109-506	Ø 4,0 x 180 mm
MS 109-507	Ø 4,0 x 200 mm
MS 109-508	Ø 4,0 x 210 mm
MS 109-509	Ø 4,0 x 250 mm



KIRSCHNER	a	b	
MS 109-520	95 mm	70 mm	kol ve dirsek için / for arm and ellbow
MS 109-521	95 mm	110 mm	topuk kemiği için / for clacaneus
MS 109-522	105 mm	100 mm	diz için / for knee
MS 109-523	120 mm	120 mm	diz için / for knee
MS 109-524	135 mm	130 mm	diz için / for knee
MS 109-525	155 mm	155 mm	femur için / for femur
MS 109-526	200 mm	155 mm	kalça için / for hip



MS 109-530



10'lu paketler halinde
in packages of 10 pieces

KIRSCHNER

6,0 cm / 2½"	10,0 cm / 4"	12,0 cm / 4¾"	14,0 cm / 4¾"	16,0 cm / 6¼"	28,0 cm / 9¼"	31,0 cm / 12¼"	
MS 109-540	**MS 109-560**	**MS 109-580**	**MS 109-600**	**MS 109-620**	**MS 109-640**	**MS 109-660**	Ø 0,5 mm
MS 109-541	**MS 109-561**	**MS 109-581**	**MS 109-601**	**MS 109-621**	**MS 109-641**	**MS 109-661**	Ø 0,8 mm
MS 109-542	**MS 109-562**	**MS 109-582**	**MS 109-602**	**MS 109-622**	**MS 109-642**	**MS 109-662**	Ø 1,0 mm
MS 109-543	**MS 109-563**	**MS 109-583**	**MS 109-603**	**MS 109-623**	**MS 109-643**	**MS 109-663**	Ø 1,2 mm
MS 109-544	**MS 109-564**	**MS 109-584**	**MS 109-604**	**MS 109-624**	**MS 109-644**	**MS 109-664**	Ø 1,5 mm
MS 109-545	**MS 109-565**	**MS 109-585**	**MS 109-605**	**MS 109-625**	**MS 109-645**	**MS 109-665**	Ø 1,8 mm
MS 109-546	**MS 109-566**	**MS 109-586**	**MS 109-606**	**MS 109-626**	**MS 109-646**	**MS 109-666**	Ø 2,0 mm
MS 109-547	**MS 109-567**	**MS 109-587**	**MS 109-607**	**MS 109-627**	**MS 109-647**	**MS 109-667**	Ø 2,2 mm
MS 109-548	**MS 109-568**	**MS 109-588**	**MS 109-608**	**MS 109-628**	**MS 109-648**	**MS 109-668**	Ø 2,5 mm
MS 109-549	**MS 109-569**	**MS 109-589**	**MS 109-609**	**MS 109-629**	**MS 109-649**	**MS 109-669**	Ø 3,0 mm



10'lu paketler halinde
in packages of 10 pieces

KIRSCHNER

6,0 cm / 2½"	10,0 cm / 4"	12,0 cm / 4¾"	14,0 cm / 4¾"	16,0 cm / 6¼"	28,0 cm / 9¼"	31,0 cm / 12¼"	
MS 109-680	**MS 109-700**	**MS 109-720**	**MS 109-740**	**MS 109-760**	**MS 109-780**	**MS 109-800**	Ø 0,5 mm
MS 109-681	**MS 109-701**	**MS 109-721**	**MS 109-741**	**MS 109-761**	**MS 109-781**	**MS 109-801**	Ø 0,8 mm
MS 109-682	**MS 109-702**	**MS 109-722**	**MS 109-742**	**MS 109-762**	**MS 109-782**	**MS 109-802**	Ø 1,0 mm
MS 109-683	**MS 109-703**	**MS 109-723**	**MS 109-743**	**MS 109-763**	**MS 109-783**	**MS 109-803**	Ø 1,2 mm
MS 109-684	**MS 109-704**	**MS 109-724**	**MS 109-744**	**MS 109-764**	**MS 109-784**	**MS 109-804**	Ø 1,5 mm
MS 109-685	**MS 109-705**	**MS 109-725**	**MS 109-745**	**MS 109-765**	**MS 109-785**	**MS 109-805**	Ø 1,8 mm
MS 109-686	**MS 109-706**	**MS 109-726**	**MS 109-746**	**MS 109-766**	**MS 109-786**	**MS 109-806**	Ø 2,0 mm
MS 109-687	**MS 109-707**	**MS 109-727**	**MS 109-747**	**MS 109-767**	**MS 109-787**	**MS 109-807**	Ø 2,2 mm
MS 109-688	**MS 109-708**	**MS 109-728**	**MS 109-748**	**MS 109-768**	**MS 109-788**	**MS 109-808**	Ø 2,5 mm
MS 109-689	**MS 109-709**	**MS 109-729**	**MS 109-749**	**MS 109-769**	**MS 109-789**	**MS 109-809**	Ø 3,0 mm



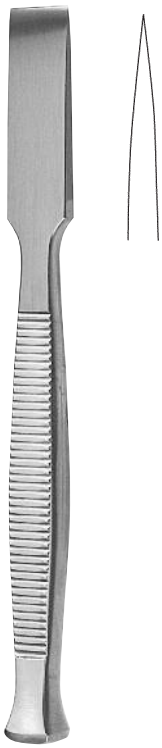
KIRSCHNER

6,0 cm / 2½"	10,0 cm / 4"	12,0 cm / 4¾"	14,0 cm / 4¾"	16,0 cm / 6¼"	31,0 cm / 12¼"	
MS 109-820	**MS 109-840**	**MS 109-860**	**MS 109-880**	**MS 109-900**	**MS 109-920**	Ø 0,5 mm
MS 109-821	**MS 109-841**	**MS 109-861**	**MS 109-881**	**MS 109-901**	**MS 109-921**	Ø 0,8 mm
MS 109-822	**MS 109-842**	**MS 109-862**	**MS 109-882**	**MS 109-902**	**MS 109-922**	Ø 1,0 mm
MS 109-823	**MS 109-843**	**MS 109-863**	**MS 109-883**	**MS 109-903**	**MS 109-923**	Ø 1,2 mm
MS 109-824	**MS 109-844**	**MS 109-864**	**MS 109-884**	**MS 109-904**	**MS 109-924**	Ø 1,5 mm
MS 109-825	**MS 109-845**	**MS 109-865**	**MS 109-885**	**MS 109-905**	**MS 109-925**	Ø 1,8 mm
MS 109-826	**MS 109-846**	**MS 109-866**	**MS 109-886**	**MS 109-906**	**MS 109-926**	Ø 2,0 mm
MS 109-827	**MS 109-847**	**MS 109-867**	**MS 109-887**	**MS 109-907**	**MS 109-927**	Ø 2,2 mm
MS 109-828	**MS 109-848**	**MS 109-868**	**MS 109-888**	**MS 109-908**	**MS 109-928**	Ø 2,5 mm
MS 109-829	**MS 109-849**	**MS 109-869**	**MS 109-889**	**MS 109-909**	**MS 109-929**	Ø 3,0 mm



KIRSCHNER

MS 109-940	Ø 0,8 mm	10,0 cm / 4"
MS 109-941	Ø 1,0 mm	10,0 cm / 4"
MS 109-942	Ø 1,2 mm	10,0 cm / 4"
MS 109-943	Ø 1,5 mm	10,0 cm / 4"
MS 109-944	Ø 1,8 mm	10,0 cm / 4"
MS 109-945	Ø 2,0 mm	10,0 cm / 4"
MS 109-946	Ø 2,2 mm	10,0 cm / 4"
MS 109-947	Ø 2,5 mm	10,0 cm / 4"
MS 109-948	Ø 3,0 mm	10,0 cm / 4"



MS 109-960	8 mm	13,5 cm / 5⅜"
MS 109-961	10 mm	13,5 cm / 5⅜"
MS 109-962	12 mm	13,5 cm / 5⅜"
MS 109-963	14 mm	13,5 cm / 5⅜"
MS 109-964	16 mm	13,5 cm / 5⅜"



MS 109-980	8 mm	13,5 cm / 5⅜"
MS 109-981	10 mm	13,5 cm / 5⅜"
MS 109-982	12 mm	13,5 cm / 5⅜"
MS 109-983	14 mm	13,5 cm / 5⅜"
MS 109-984	16 mm	13,5 cm / 5⅜"



MS 109-1000	8 mm	13,5 cm / 5⅜"
MS 109-1001	10 mm	13,5 cm / 5⅜"
MS 109-1002	12 mm	13,5 cm / 5⅜"
MS 109-1003	14 mm	13,5 cm / 5⅜"
MS 109-1004	16 mm	13,5 cm / 5⅜"



PARTSCH

MS 109-1010	2 mm	13,5 cm / 5⅜"
MS 109-1011	3 mm	13,5 cm / 5⅜"
MS 109-1012	4 mm	13,5 cm / 5⅜"
MS 109-1013	5 mm	13,5 cm / 5⅜"
MS 109-1014	6 mm	13,5 cm / 5⅜"



PARTSCH

MS 109-1020	2 mm	17,0 cm / 6¾"
MS 109-1021	3 mm	17,0 cm / 6¾"
MS 109-1022	4 mm	17,0 cm / 6¾"
MS 109-1023	5 mm	17,0 cm / 6¾"
MS 109-1024	6 mm	17,0 cm / 6¾"
MS 109-1025	7 mm	17,0 cm / 6¾"



PARTSCH

MS 109-1030	2 mm	13,5 cm / 5⅜"
MS 109-1031	3 mm	13,5 cm / 5⅜"
MS 109-1032	4 mm	13,5 cm / 5⅜"
MS 109-1033	5 mm	13,5 cm / 5⅜"
MS 109-1034	6 mm	13,5 cm / 5⅜"



PARTSCH

MS 109-1040	2 mm	17,0 cm / 6¾"
MS 109-1041	3 mm	17,0 cm / 6¾"
MS 109-1042	4 mm	17,0 cm / 6¾"
MS 109-1043	5 mm	17,0 cm / 6¾"
MS 109-1044	6 mm	17,0 cm / 6¾"
MS 109-1045	7 mm	17,0 cm / 6¾"



ALEXANDER

MS 109-1060	4 mm	18,0 cm / 7"
MS 109-1061	6 mm	18,0 cm / 7"
MS 109-1062	8 mm	18,0 cm / 7"
MS 109-1063	10 mm	18,0 cm / 7"
MS 109-1064	12 mm	18,0 cm / 7"
MS 109-1065	14 mm	18,0 cm / 7"



ALEXANDER

MS 109-1070	4 mm	18,0 cm /
MS 109-1071	6 mm	18,0 cm /
MS 109-1072	8 mm	18,0 cm /
MS 109-1073	10 mm	18,0 cm /
MS 109-1074	12 mm	18,0 cm /
MS 109-1075	14 mm	18,0 cm /



STILLE

MS 109-1090	10 mm	20,0 cm / 8"
MS 109-1091	15 mm	20,0 cm / 8"
MS 109-1092	20 mm	20,0 cm / 8"
MS 109-1093	25 mm	20,0 cm / 8"



STILLE

MS 109-1100	10 mm	20,0 cm / 8"
MS 109-1101	15 mm	20,0 cm / 8"
MS 109-1102	20 mm	20,0 cm / 8"
MS 109-1103	25 mm	20,0 cm / 8"



STILLE

MS 109-1110	10 mm	20,0 cm / 8"
MS 109-1111	15 mm	20,0 cm / 8"
MS 109-1112	20 mm	20,0 cm / 8"
MS 109-1113	25 mm	20,0 cm / 8"



MINI-LAMBOTTE

MS 109-1120	2 mm	12,5 cm / 5"
MS 109-1121	3 mm	12,5 cm / 5"
MS 109-1122	4 mm	12,5 cm / 5"
MS 109-1123	6 mm	12,5 cm / 5"
MS 109-1124	8 mm	12,5 cm / 5"
MS 109-1125	10 mm	12,5 cm / 5"
MS 109-1126	12 mm	12,5 cm / 5"
MS 109-1127	15 mm	12,5 cm / 5"



MINI-LAMBOTTE

MS 109-1140	3 mm	17,0 cm / 6¾"
MS 109-1141	4 mm	17,0 cm / 6¾"
MS 109-1142	6 mm	17,0 cm / 6¾"
MS 109-1143	8 mm	17,0 cm / 6¾"
MS 109-1144	10 mm	17,0 cm / 6¾"
MS 109-1145	12 mm	17,0 cm / 6¾"
MS 109-1146	15 mm	17,0 cm / 6¾"



LAMBOTTE

MS 109-1150	4 mm	24,0 cm / 9½"
MS 109-1151	6 mm	24,0 cm / 9½"
MS 109-1152	8 mm	24,0 cm / 9½"
MS 109-1153	10 mm	24,0 cm / 9½"
MS 109-1154	12 mm	24,0 cm / 9½"
MS 109-1155	15 mm	24,0 cm / 9½"
MS 109-1156	20 mm	24,0 cm / 9½"
MS 109-1157	25 mm	24,0 cm / 9½"
MS 109-1158	30 mm	24,0 cm / 9½"
MS 109-1159	38 mm	24,0 cm / 9½"
MS 109-1160	44 mm	24,0 cm / 9½"
MS 109-1161	50 mm	24,0 cm / 9½"



LAMBOTTE

MS 109-1170	4 mm	24,0 cm / 9½"
MS 109-1171	6 mm	24,0 cm / 9½"
MS 109-1172	8 mm	24,0 cm / 9½"
MS 109-1173	10 mm	24,0 cm / 9½"
MS 109-1174	12 mm	24,0 cm / 9½"
MS 109-1175	15 mm	24,0 cm / 9½"
MS 109-1176	20 mm	24,0 cm / 9½"
MS 109-1177	25 mm	24,0 cm / 9½"
MS 109-1178	30 mm	24,0 cm / 9½"
MS 109-1179	38 mm	24,0 cm / 9½"
MS 109-1180	44 mm	24,0 cm / 9½"
MS 109-1181	50 mm	24,0 cm / 9½"



SMITH-PETERSON

MS 109-1190	6 mm	20,0 cm / 8"
MS 109-1191	9 mm	20,0 cm / 8"
MS 109-1192	13 mm	20,0 cm / 8"
MS 109-1193	16 mm	20,0 cm / 8"
MS 109-1194	19 mm	20,0 cm / 8"
MS 109-1195	25 mm	20,0 cm / 8"
MS 109-1196	32 mm	20,0 cm / 8"



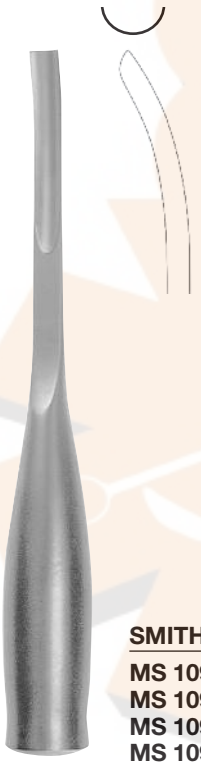
SMITH-PETERSON

MS 109-1200	6 mm	20,0 cm / 8"
MS 109-1201	9 mm	20,0 cm / 8"
MS 109-1202	13 mm	20,0 cm / 8"
MS 109-1203	16 mm	20,0 cm / 8"
MS 109-1204	19 mm	20,0 cm / 8"
MS 109-1205	25 mm	20,0 cm / 8"
MS 109-1206	32 mm	20,0 cm / 8"



SMITH-PETERSON

MS 109-1210	9 mm	20,0 cm / 8"
MS 109-1211	14 mm	20,0 cm / 8"
MS 109-1212	19 mm	20,0 cm / 8"
MS 109-1213	25 mm	20,0 cm / 8"



SMITH-PETERSON

MS 109-1220	9 mm	20,0 cm / 8"
MS 109-1221	14 mm	20,0 cm / 8"
MS 109-1222	19 mm	20,0 cm / 8"
MS 109-1223	25 mm	20,0 cm / 8"



HOKE

MS 109-1230	3 mm	17,0 cm / 6¾"
MS 109-1231	5 mm	17,0 cm / 6¾"
MS 109-1232	6 mm	17,0 cm / 6¾"
MS 109-1233	8 mm	17,0 cm / 6¾"
MS 109-1234	9 mm	17,0 cm / 6¾"



HIBBS

MS 109-1235	6 mm	24,0 cm / 6¾"
MS 109-1236	13 mm	24,0 cm / 6¾"
MS 109-1237	19 mm	24,0 cm / 6¾"
MS 109-1238	25 mm	24,0 cm / 6¾"
MS 109-1239	32 mm	24,0 cm / 6¾"



HIBBS

MS 109-1250	6 mm	24,0 cm / 6¾"
MS 109-1251	13 mm	24,0 cm / 6¾"
MS 109-1252	19 mm	24,0 cm / 6¾"
MS 109-1253	25 mm	24,0 cm / 6¾"
MS 109-1254	32 mm	24,0 cm / 6¾"



HIBBS

MS 109-1260	6 mm	24,0 cm / 6¾"
MS 109-1261	13 mm	24,0 cm / 6¾"
MS 109-1262	19 mm	24,0 cm / 6¾"
MS 109-1263	25 mm	24,0 cm / 6¾"
MS 109-1264	32 mm	24,0 cm / 6¾"



HIBBS

MS 109-1270	6 mm	24,0 cm / 6¾"
MS 109-1271	13 mm	24,0 cm / 6¾"
MS 109-1272	19 mm	24,0 cm / 6¾"
MS 109-1273	25 mm	24,0 cm / 6¾"
MS 109-1274	32 mm	24,0 cm / 6¾"



HIBBS

MS 109-1280	6 mm	24,0 cm / 6¾"
MS 109-1281	13 mm	24,0 cm / 6¾"
MS 109-1282	19 mm	24,0 cm / 6¾"
MS 109-1283	25 mm	24,0 cm / 6¾"
MS 109-1284	32 mm	24,0 cm / 6¾"



16,0 cm / 6 ¼"

MS 109-1290 ø 2 mm

MS 109-1291 ø 3 mm

MS 109-1292 ø 4 mm

MS 109-1293 ø 5 mm

MS 109-1294 ø 6 mm

MS 109-1295 ø 8 mm

MS 109-1296 ø 10 mm



20,0 cm / 8"

MS 109-1310 ø 3 mm

MS 109-1311 ø 5 mm

MS 109-1312 ø 8 mm

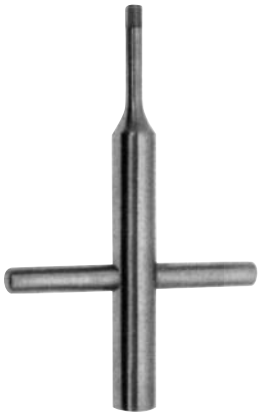
MS 109-1313 ø 12 mm

MS 109-1314 ø 14 mm

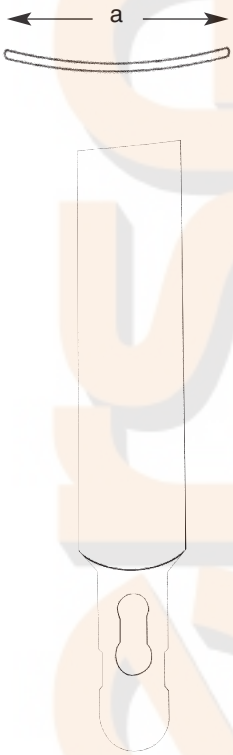
MS 109-1315 ø 16 mm



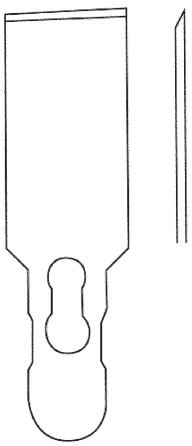
MS 109-1316 18,0 cm / 7"



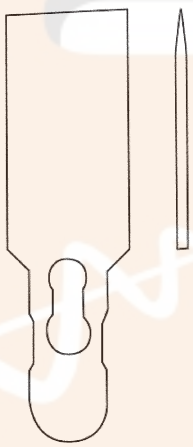
MS 109-1320



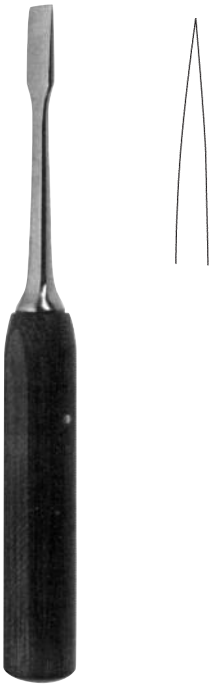
MS 109-1330 a = 50 mm
MS 109-1331 a = 60 mm
MS 109-1332 a = 70 mm



MS 109-1340 5,0 mm
MS 109-1341 10,0 mm
MS 109-1342 16,0 mm
MS 109-1343 25,0 mm



MS 109-1350 5,0 mm
MS 109-1351 10,0 mm
MS 109-1352 16,0 mm
MS 109-1353 25,0 mm



MINI-LEXER

MS 109-1360	4 mm	18,0 cm / 7"
MS 109-1361	6 mm	18,0 cm / 7"
MS 109-1362	8 mm	18,0 cm / 7"
MS 109-1363	10 mm	18,0 cm / 7"
MS 109-1364	12 mm	18,0 cm / 7"



MINI-LEXER

MS 109-1370	4 mm	18,0 cm / 7"
MS 109-1371	6 mm	18,0 cm / 7"
MS 109-1372	8 mm	18,0 cm / 7"
MS 109-1373	10 mm	18,0 cm / 7"
MS 109-1374	12 mm	18,0 cm / 7"



LEXER

MS 109-1380	5 mm	25,0 cm / 9¾"
MS 109-1381	10 mm	25,0 cm / 9¾"
MS 109-1382	15 mm	25,0 cm / 9¾"



LEXER

MS 109-1390	5 mm	25,0 cm / 9¾"
MS 109-1391	10 mm	25,0 cm / 9¾"
MS 109-1392	15 mm	25,0 cm / 9¾"



LEXER

MS 109-1400	5 mm	22,0 cm / 8¾"
MS 109-1401	7 mm	22,0 cm / 8¾"
MS 109-1402	10 mm	22,0 cm / 8¾"
MS 109-1403	15 mm	22,0 cm / 8¾"
MS 109-1404	20 mm	22,0 cm / 8¾"
MS 109-1405	25 mm	22,0 cm / 8¾"
MS 109-1406	30 mm	22,0 cm / 8¾"



LEXER

MS 109-1420	5 mm	22,0 cm / 8¾"
MS 109-1421	7 mm	22,0 cm / 8¾"
MS 109-1422	10 mm	22,0 cm / 8¾"
MS 109-1423	15 mm	22,0 cm / 8¾"
MS 109-1424	20 mm	22,0 cm / 8¾"
MS 109-1425	25 mm	22,0 cm / 8¾"
MS 109-1426	30 mm	22,0 cm / 8¾"



LEXER

MS 109-1440	7 mm	28,5 cm / 11¼"
MS 109-1441	10 mm	28,5 cm / 11¼"



LEXER

MS 109-1450	10 mm	27,5 cm / 10¾"
MS 109-1451	15 mm	27,5 cm / 10¾"



LEXER

MS 109-1460	10 mm	27,5 cm / 10¾"
MS 109-1461	15 mm	27,5 cm / 10¾"



ZIELKE

MS 109-1470	5,5 mm	23,0 cm / 9"
MS 109-1471	9,0 mm	23,0 cm / 9"



MS 109-1480	10 mm	16,0 cm / 6¼"
MS 109-1481	15 mm	16,0 cm / 6¼"



MS 109-1482	10 mm	20,0 cm / 8"
MS 109-1483	15 mm	20,0 cm / 8"
MS 109-1484	20 mm	20,0 cm / 8"



MS 109-1490	10,0 mm	20,0 cm / 8"
MS 109-1491	15,0 mm	20,0 cm / 8"
MS 109-1492	20,0 mm	20,0 cm / 8"



MS 109-1500 20,0 mm 24,5 cm / 9¾"



MS 109-1501 16,0 mm 26,5 cm / 10½"



MS 109-1502 9,0 mm 22,0 cm / 8¾"



COBB

MS 109-1510 8,0 mm 27,5 cm / 10¾"



COBB

MS 109-1511 8,0 mm 27,0 cm / 10¾"



COBB

MS 109-1512 8,0 mm 27,0 cm / 10¾"



DAHMEN

MS 109-1520	4 mm	30,0 cm / 11¾"
MS 109-1521	5 mm	30,0 cm / 11¾"
MS 109-1522	6 mm	30,0 cm / 11¾"
MS 109-1523	8 mm	30,0 cm / 11¾"
MS 109-1524	10 mm	30,0 cm / 11¾"
MS 109-1525	12 mm	30,0 cm / 11¾"
MS 109-1526	15 mm	30,0 cm / 11¾"
MS 109-1527	20 mm	30,0 cm / 11¾"
MS 109-1528	22 mm	30,0 cm / 11¾"
MS 109-1529	25 mm	30,0 cm / 11¾"



DAHMEN

MS 109-1540	4 mm	30,0 cm / 11¾"
MS 109-1541	5 mm	30,0 cm / 11¾"
MS 109-1542	6 mm	30,0 cm / 11¾"
MS 109-1543	8 mm	30,0 cm / 11¾"
MS 109-1544	10 mm	30,0 cm / 11¾"
MS 109-1545	12 mm	30,0 cm / 11¾"
MS 109-1546	15 mm	30,0 cm / 11¾"
MS 109-1547	20 mm	30,0 cm / 11¾"
MS 109-1548	22 mm	30,0 cm / 11¾"
MS 109-1549	25 mm	30,0 cm / 11¾"



DAHMEN

MS 109-1560	4 mm	30,0 cm / 11¾"
MS 109-1561	5 mm	30,0 cm / 11¾"
MS 109-1562	6 mm	30,0 cm / 11¾"
MS 109-1563	8 mm	30,0 cm / 11¾"
MS 109-1564	10 mm	30,0 cm / 11¾"
MS 109-1565	12 mm	30,0 cm / 11¾"
MS 109-1566	15 mm	30,0 cm / 11¾"
MS 109-1567	20 mm	30,0 cm / 11¾"
MS 109-1568	22 mm	30,0 cm / 11¾"
MS 109-1569	25 mm	30,0 cm / 11¾"



DAHMEN

MS 109-1580	4 mm	30,0 cm / 11¾"
MS 109-1581	5 mm	30,0 cm / 11¾"
MS 109-1582	6 mm	30,0 cm / 11¾"
MS 109-1583	8 mm	30,0 cm / 11¾"
MS 109-1584	10 mm	30,0 cm / 11¾"
MS 109-1585	12 mm	30,0 cm / 11¾"
MS 109-1586	15 mm	30,0 cm / 11¾"
MS 109-1587	20 mm	30,0 cm / 11¾"
MS 109-1588	22 mm	30,0 cm / 11¾"
MS 109-1589	25 mm	30,0 cm / 11¾"



WILLIGER

MS 109-1600	300 g	ø 26 mm	24,0 cm / 9½"
MS 109-1601	340 g	ø 28 mm	24,0 cm / 9½"
MS 109-1602	400 g	ø 30 mm	24,0 cm / 9½"



DOYEN

MS 109-1610	120 g	ø 25 mm	19,5 cm / 7¾"
MS 109-1611	180 g	ø 30 mm	19,5 cm / 7¾"
MS 109-1612	260 g	ø 35 mm	21,0 cm / 8¼"



COLLIN

MS 109-1620	220 g	ø 30 mm	20,0 cm / 8"



LUCAE

MS 109-1621	230 g	ø 19 mm	19,5 cm / 7¾"
MS 109-1622	260 g	ø 25 mm	19,5 cm / 7¾"



COTTLE

MS 109-1630 350 g ø 30 mm 19,0 cm / 7½"



WILLIGER

MS 109-1631 140 g ø 20 mm 16,5 cm / 6½"



değiştirebilir diskler
with interchangeable disks

MS 109-1633

MEAD

MS 109-1632 320 g ø 26 mm 19,0 cm / 7½"



PARTSCH

MS 109-1634 200 g ø 22 mm 19,0 cm / 7½"



HAJEK

MS 109-1635 200 g ø 27 mm 20,0 cm / 8"



GERZOG

MS 109-1636 270 g ø 25 mm 19,5 cm / 7½"



KIRK

MS 109-1637 650 g ø 38 mm 21,0 cm / 8¼"



BERGMANN

MS 109-1638 490 g ø 45 mm 25,0 cm / 9¾"



BERGMANN

MS 109-1639 400 g ø 30 mm 24,5 cm / 9⅔"



OMBREDANNE

MS 109-1640 700 g ø 40 mm 24,0 cm / 9½"



HEATH

MS 109-1641 700 g ø 40 mm 18,5 cm / 7¼"



değiştirebilir diskler
with interchangeable disks

MS 109-1650

MS 109-1642 240 g ø 25 mm 18,5 cm / 7¼"



KIRK

MS 109-1655	180 g	ø 35 mm	26,0 cm / 10¼"
MS 109-1656	250 g	ø 42 mm	26,0 cm / 10¼"
MS 109-1657	350 g	ø 50 mm	26,0 cm / 10¼"



MS 109-1670 340 g ø 42 mm 26,0 cm / 10¼"



MS 109-1671 675 g ø 30 mm 26,5 cm / 10½"

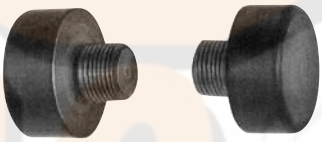


MS 109-1672 530 g ø 42/30 mm 26,0 cm / 10¼"



MS 109-1673 480 g ø 30 mm 24,0 cm / 9½"





MS 109-1675

Yedek plastik kafa /çift)
Spare Facings (pair) plastic

MS 109-1674 370 g ø 37 mm 24,0 cm / 9½"



MS 109-1676 450 g ø 30 mm 26,5 cm / 10½"



MS 109-1677 900 g ø 50 mm 26,5 cm / 10½"



VOLKMANN
17,5 cm / 7"



Fig. 0000
MS 109-1690



Fig. 000
MS 109-1691



Fig. 00
MS 109-1692



Fig. 0
MS 109-1693



Fig. 1
MS 109-1694



Fig. 2
MS 109-1695



Fig. 3
MS 109-1696



Fig. 4
MS 109-1697

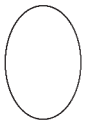


Fig. 5
MS 109-1698



Fig. 6
MS 109-1699



VOLKMANN
28,0 cm / 11"



Fig. 0000
MS 109-1710



Fig. 000
MS 109-1711



Fig. 00
MS 109-1712



Fig. 0
MS 109-1713



Fig. 1
MS 109-1714



Fig. 2
MS 109-1715



Fig. 3
MS 109-1716

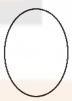


Fig. 4
MS 109-1717

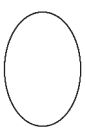


Fig. 5
MS 109-1718

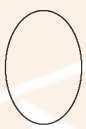


Fig. 6
MS 109-1719



SCHEDE
17,0 cm / 6¾"



Fig. 000
MS 109-1730



Fig. 00
MS 109-1731



Fig. 0
MS 109-1732



Fig. 1
MS 109-1733



Fig. 2
MS 109-1734



Fig. 3
MS 109-1735



Fig. 4
MS 109-1736



VOLKMANN
17,0 cm / 6¾"



Fig. 0000
MS 109-1750



Fig. 000
MS 109-1751



Fig. 00
MS 109-1752



Fig. 0
MS 109-1753



Fig. 1
MS 109-1754



Fig. 2
MS 109-1755

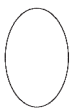


Fig. 3
MS 109-1756

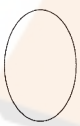


Fig. 4
MS 109-1757

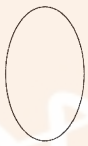


Fig. 5
MS 109-1758

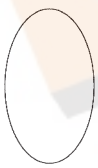


Fig. 6
MS 109-1759



BRUNS
17,0 cm / 6¾"

Fig. 0000
MS 109-1770



Fig. 000
MS 109-1771



Fig. 00
MS 109-1772



Fig. 0
MS 109-1773



Fig. 1
MS 109-1774



Fig. 2
MS 109-1775



Fig. 3
MS 109-1776



Fig. 4
MS 109-1777

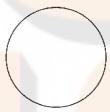


Fig. 5
MS 109-1778



Fig. 6
MS 109-1779



SPRATT
17,0 cm / 6¾"



Fig. 000
MS 109-1790



Fig. 00
MS 109-1791



Fig. 0
MS 109-1792



Fig. 1
MS 109-1793



Fig. 2
MS 109-1794



Fig. 3
MS 109-1795



Fig. 4
MS 109-1796



Fig. 5
MS 109-1797



BRUNS
23,0 cm / 9"

Fig. 000
MS 109-1810



Fig. 00
MS 109-1811



Fig. 0
MS 109-1812



Fig. 1
MS 109-1813



Fig. 2
MS 109-1814



Fig. 3
MS 109-1815



Fig. 4
MS 109-1816

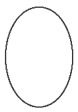


Fig. 5
MS 109-1817



Fig. 6
MS 109-1818



SCOVILLE
MS 109-1830 25,0 cm / 9¾"



SCOVILLE
MS 109-1831 25,0 cm / 9¾"



SCOVILLE
MS 109-1832 25,0 cm / 9¾"



Fig. 1
MS 109-1840

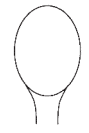


Fig. 2
MS 109-1841

Fig. 3
MS 109-1842

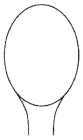


Fig. 4
MS 109-1843

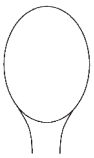


Fig. 5
MS 109-1844

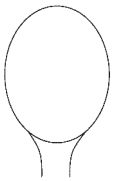
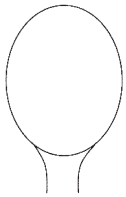


Fig. 6
MS 109-1845



SIMON
25,0 cm / 9¾"



Flg. 1
MS 109-1860

Fig. 2
MS 109-1861

Fig. 3
MS 109-1862



Fig. 4
MS 109-1863



Fig. 5
MS 109-1864



Fig. 6
MS 109-1865



MOD. USA
16,0 cm / 6¼"



Fig. 1
MS 109-1880



Fig. 2
MS 109-1881



Fig. 3
MS 109-1882



Fig. 4
MS 109-1883



Fig. 5
MS 109-1884



Fig. 6
MS 109-1885



MOD. USA
15,5 cm / 6"



Fig. 1
MS 109-1900

Fig. 2
MS 109-1901

Fig. 3
MS 109-1902



Fig. 4
MS 109-1903



Fig. 5
MS 109-1904



Fig. 6
MS 109-1905



MOD. USA
15,5 cm / 6"



Fig. 0
MS 109-1920

Fig. 00
MS 109-1921

Fig. 1
MS 109-1922

Fig. 2
MS 109-1923

WILLIGER
17,0 cm / 6¾"



Fig. 0
MS 109-1930

Fig. 00
MS 109-1931

Fig. 1
MS 109-1932

Fig. 2
MS 109-1933

WILLIGER
17,5 cm / 7"



Fig. 1
MS 109-1940

Fig. 2
MS 109-1941

Fig. 3
MS 109-1942

HALLE
21,0 cm / 8¼"



VOLKMANN



MS 109-1950
13,0 cm / 5"



MS 109-1951
14,0 cm / 5½"



MS 109-1952
17,0 cm / 6¾"



VOLKMANN



MS 109-1960
13,0 cm / 5"



MS 109-1961
16,0 cm / 6¼"



MS 109-1962
20,0 cm / 8"



MS 109-1970 21,0 cm / 8¼"



Fig. 00/0
MS 109-1975

Fig. 0/1
MS 109-1976

Fig. 1/2
MS 109-1977

WILLIGER
13,5 cm / 5¼"



Fig. 00/00
MS 109-1990

Fig. 0/1
MS 109-1991

Fig. 1/2
MS 109-1992

WILLIGER
16,0 cm / 6¼"



Fig. 00/0
MS 109-2000

Fig. 0/1
MS 109-2001

Fig. 1/2
MS 109-2002

MARTINI
13,5 cm / 5¼"



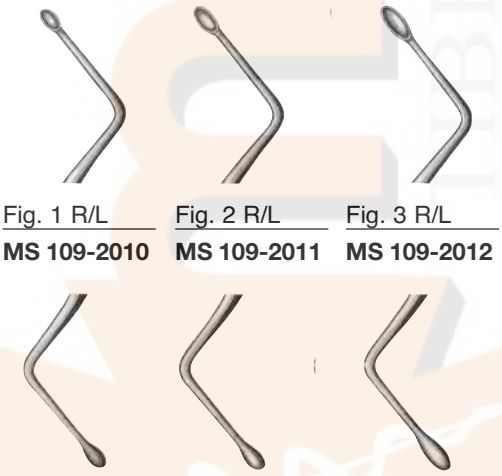


Fig. 1 R/L
MS 109-2010

Fig. 2 R/L
MS 109-2011

Fig. 3 R/L
MS 109-2012

HEMMINGWAY
18,0 cm / 7"

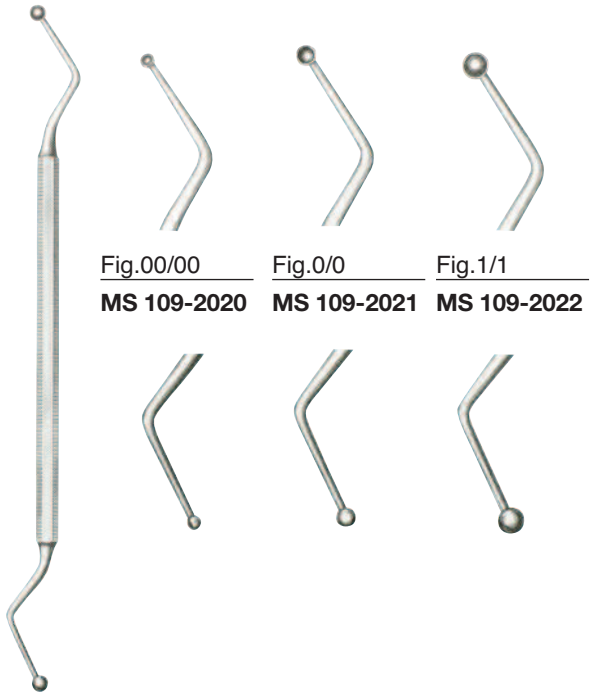


Fig.00/00 **MS 109-2020**

Fig.0/0 **MS 109-2021**

Fig.1/1 **MS 109-2022**

HEMMINGWAY
18,0 cm / 7"

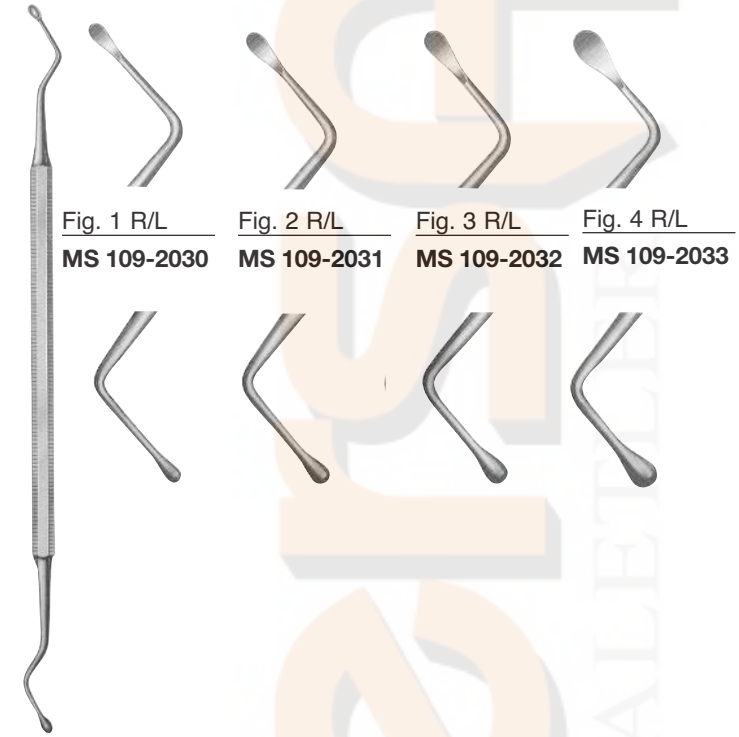


Fig. 1 R/L **MS 109-2030**

Fig. 2 R/L **MS 109-2031**

Fig. 3 R/L **MS 109-2032**

Fig. 4 R/L **MS 109-2033**

HEMMINGWAY
18,0 cm / 7"



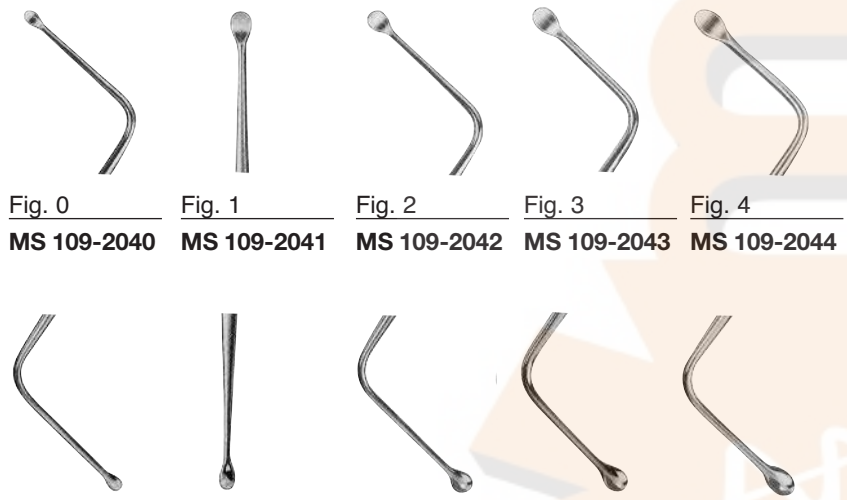


Fig. 0 **MS 109-2040**

Fig. 1 **MS 109-2041**

Fig. 2 **MS 109-2042**

Fig. 3 **MS 109-2043**

Fig. 4 **MS 109-2044**

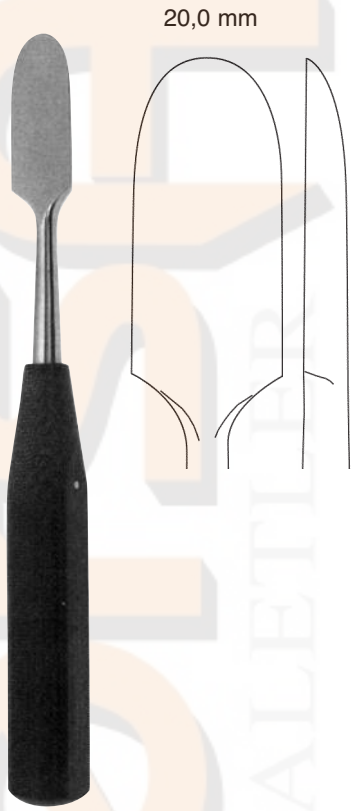
MILLER-COLBURN
17,0 cm / 6¾"



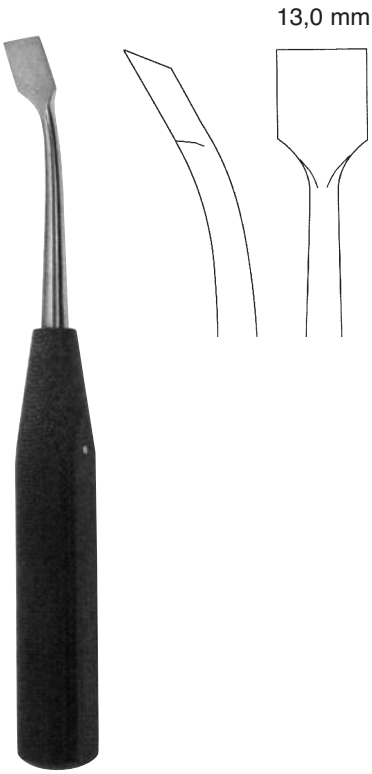
MS 109-2060 20,0 cm / 8"



MS 109-2061 19,0 cm / 7½"



MS 109-2062 20,0 cm / 8"



MS 109-2063 19,0 cm / 7½"



MS 109-2064 18,0 cm / 7"



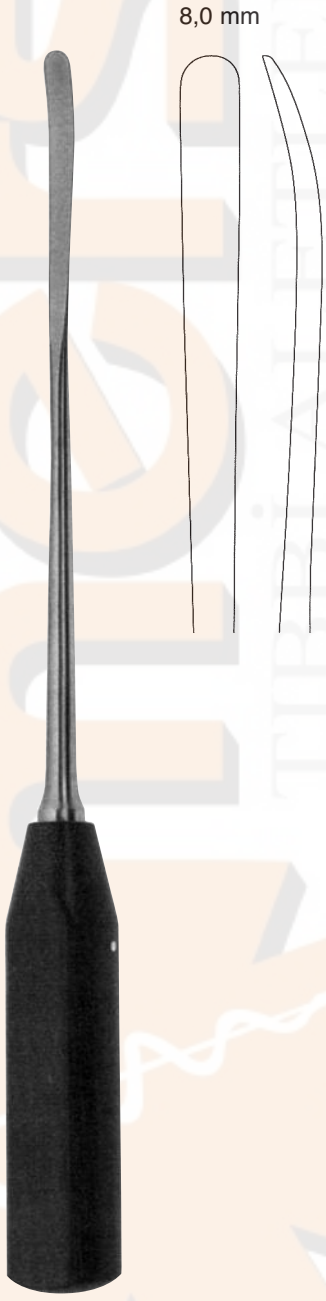
MS 109-2065 18,0 cm / 7"



MS 109-2066 18,0 cm / 7"



MS 109-2067 18,0 cm / 7"



WAGNER

MS 109-2068 33,0 cm / 13"

17,0 mm



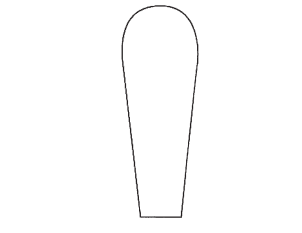
WAGNER

MS 109-2069 33,0 cm / 13"

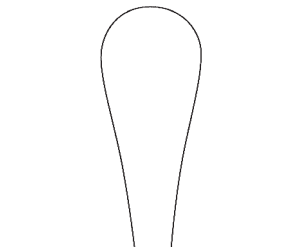
20,0 mm



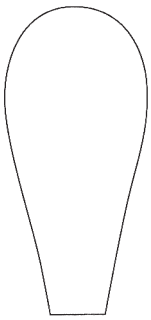
MS 109-2070 27,5 cm / 10¾"



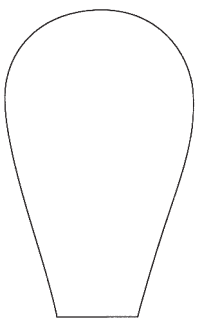
MS 109-2080 10,0 mm



MS 109-2081 13,0 mm



MS 109-2082 19,0 mm



MS 109-2083 25,0 mm



COBB
25,0 cm / 10"



MS 109-2090 10,0 mm



MS 109-2091 13,0 mm



MS 109-2092 19,0 mm

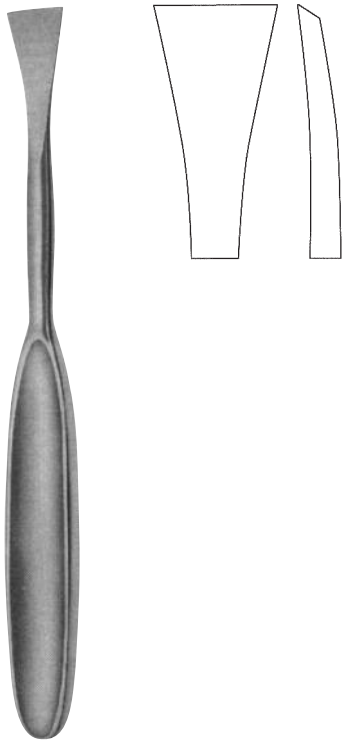


MS 109-2093 25,0 mm



COBB
28,0 cm / 11"

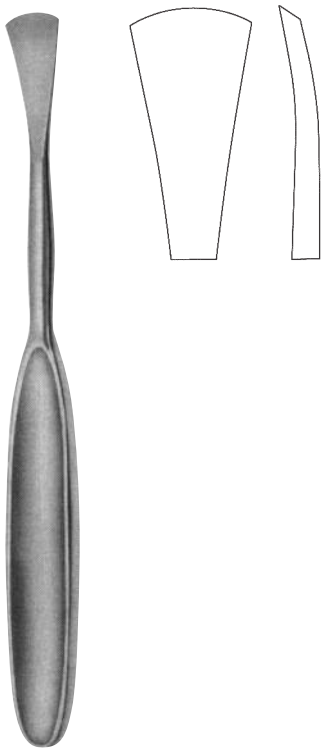
16,0 mm



LANGENBECK

MS 109-2100 19,0 cm / 7½"

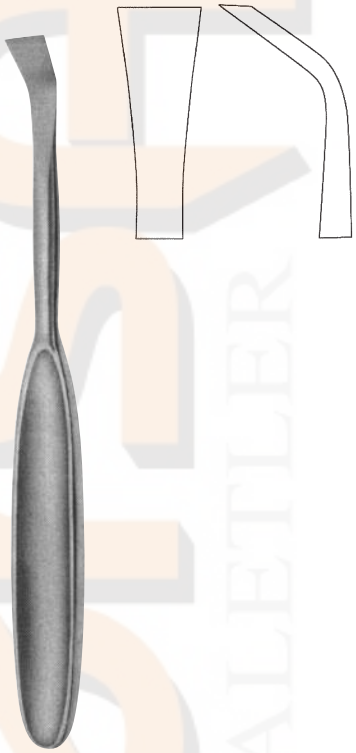
16,0 mm



LANGENBECK

MS 109-2101 19,0 cm / 7½"

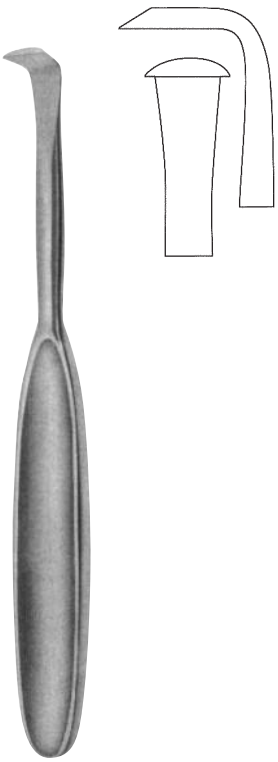
12,0 mm



LANGENBECK

MS 109-2102 18,5 cm / 7¼"

12,0 mm



LANGENBECK

MS 109-2103 18,0 cm / 7"

14,0 mm



LANGENBECK

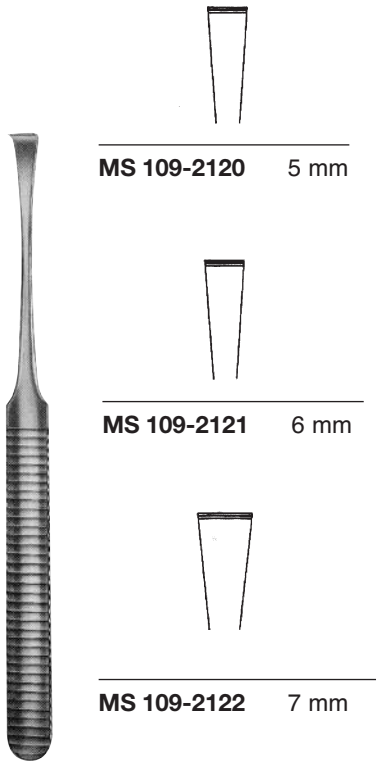
MS 109-2104 18,0 cm / 7"

16,0 mm



LANGENBECK

MS 109-2105 19,0 cm / 7½"



MS 109-2120 5 mm

MS 109-2121 6 mm

MS 109-2122 7 mm

16,0 cm / 6¼"

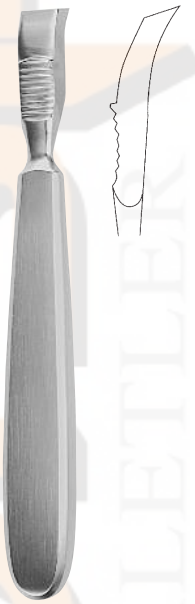
12,5 mm



FARABEUF

MS 109-2130 15,0 cm / 6"

12,5 mm



FARABEUF

MS 109-2131 15,0 cm / 6"

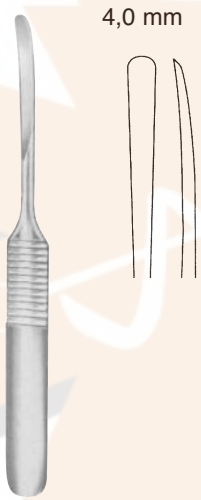
15,0 mm



SEDILOT

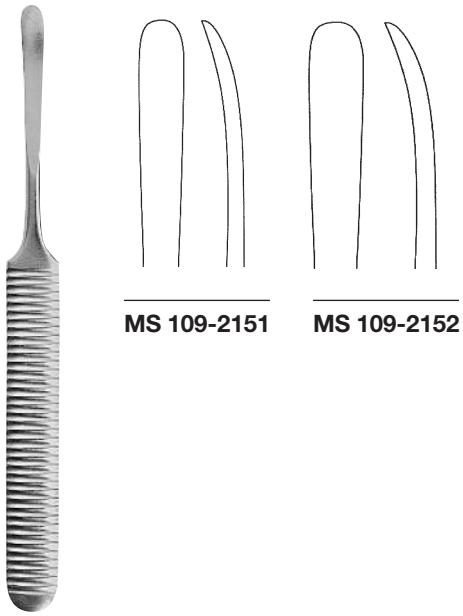
MS 109-2140 21,0 cm / 8¼"

4,0 mm

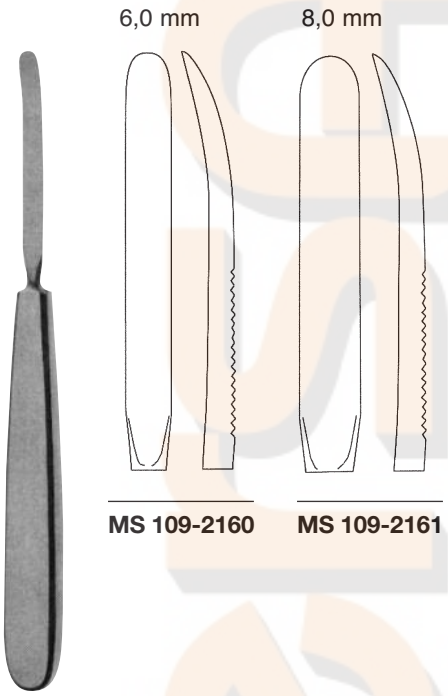


WILLIGER

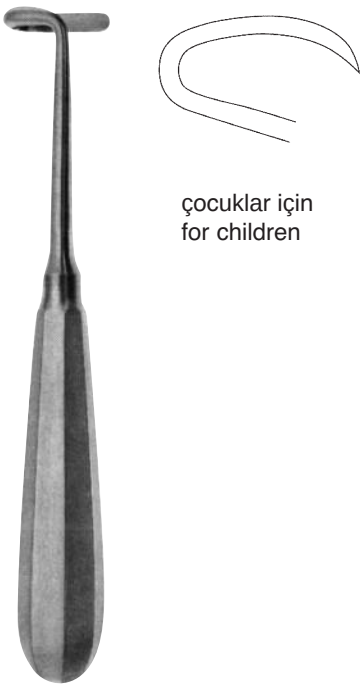
MS 109-2150 14,0 cm / 5½"



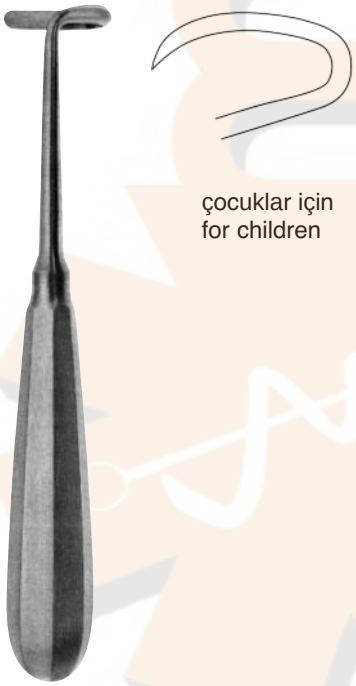
WILLIGER
16,0 cm / 6¼"



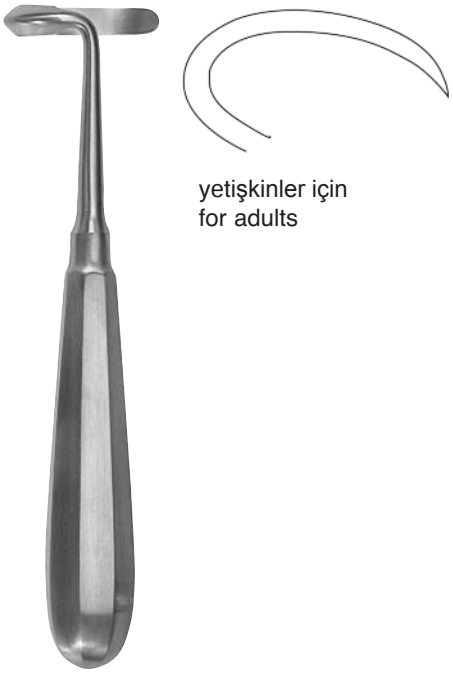
17,0 cm / 6¾"



DOYEN
MS 109-2170 17,0 cm / 6¾"



DOYEN
MS 109-2171 17,0 cm / 6¾"



yetişkinler için
for adults

DOYEN

MS 109-2180 17,0 cm / 6¾"



yetişkinler için
for adults

DOYEN

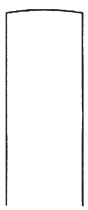
MS 109-2181 17,0 cm / 6¾"



LAMBOTTE

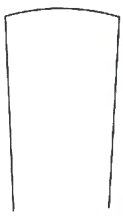
21,0 cm / 8¼"

10,0 mm



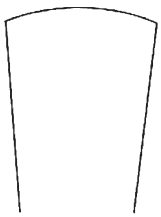
MS 109-2190

15,0 mm



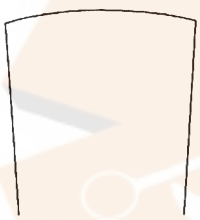
MS 109-2191

20,0 mm



MS 109-2192

25,0 mm



MS 109-2193

12,0 mm

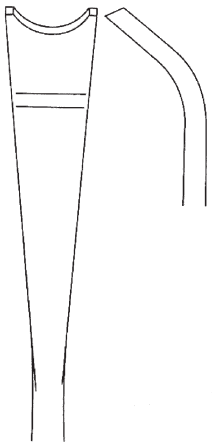


Fig. 1

MS 109-2200 19,0 cm / 7½"

12,0 mm

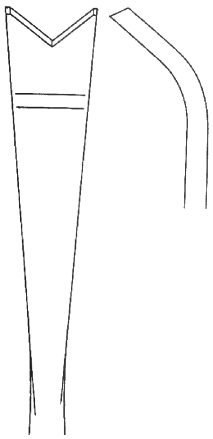


Fig. 2

MS 109-2201 23,0 cm / 9"

13,0 mm



Fig. 3

MS 109-2202 21,0 cm / 8¼"



SEMB

13,0 mm

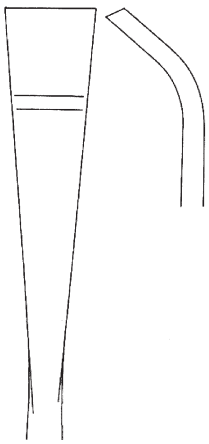


Fig. 4

MS 109-2203 23,0 cm / 9"

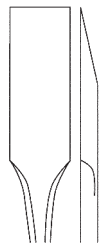
16,0 mm



Fig. 5

MS 109-2204 21,0 cm / 8¼"

8,0 mm



MS 109-2210

7,0 mm



MS 109-2211

7,0 mm



MS 109-2212

7,0 mm

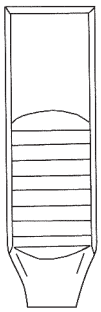


MS 109-2213

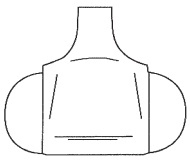


ADSON
17,0 cm / 6¾"

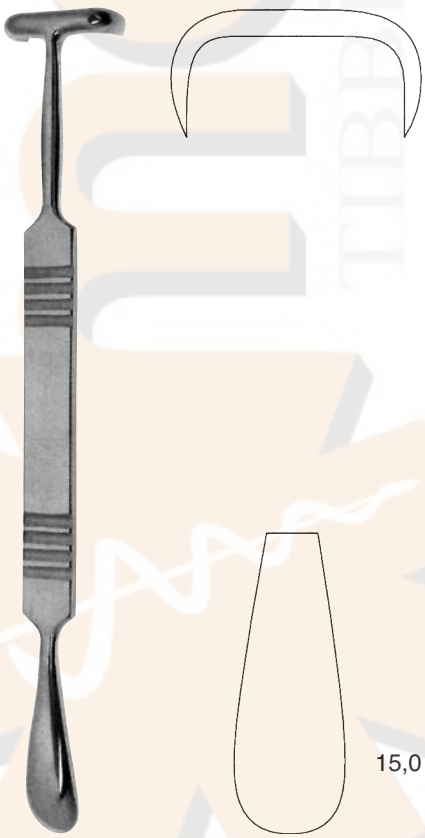
12,0 mm







ALEXANDER
MS 109-2220 21,0 cm / 8¼"



15,0 mm

MATSON
MS 109-2221 22,0 cm / 8¾"

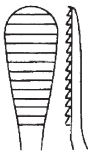
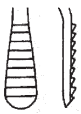


Fig. 1
MS 109-2230



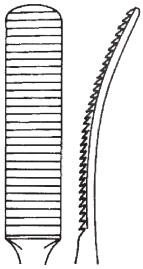
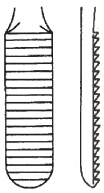


Fig. 2
MS 109-2231



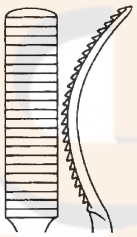
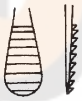
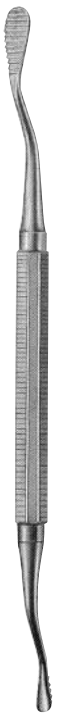


Fig. 3
MS 109-2232





MILLER-COLBURN
18,0 cm / 7"

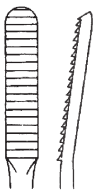
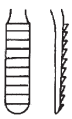


Fig. 4
MS 109-2233



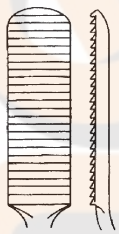
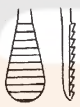


Fig. 5
MS 109-2234



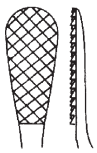


Fig. 1
MS 109-2240

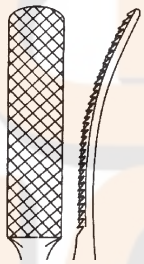
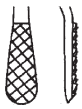


Fig. 2
MS 109-2241





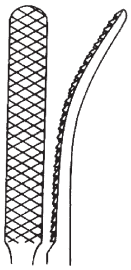


Fig. 3
MS 109-2242

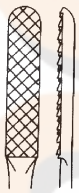
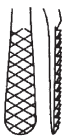
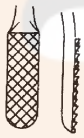


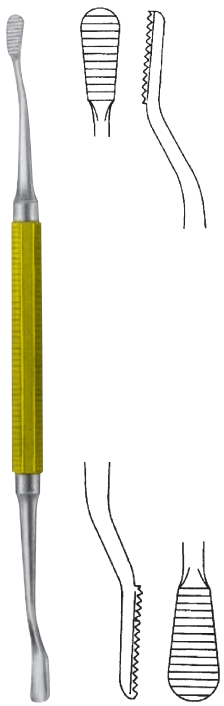
Fig. 4
MS 109-2243







MILLER-COLBRUN
18,0 cm / 7"



TC-MILLER-COLBRUN
MS 109-2250 18,5 cm / 7¼"



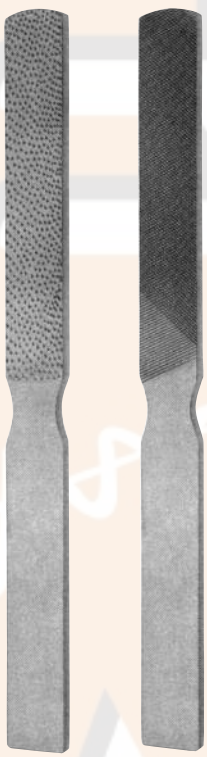
TC-MILLER-COLBRUN
MS 109-2251 18,5 cm / 7¼"



MS 109-2260 28,0 cm / 11"



MS 109-2261 24,5 cm / 9⅔"



MS 109-2262 22,0 cm / 8¾"



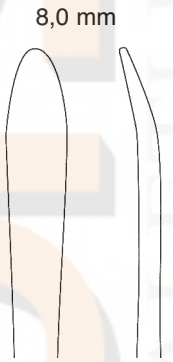
PUTTI
MS 109-2263 30,0 cm / 12"



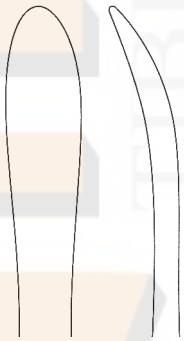
PUTTI
MS 109-2264 27,0 cm / 10¾"



LANGENBECK
20,0 cm / 8"

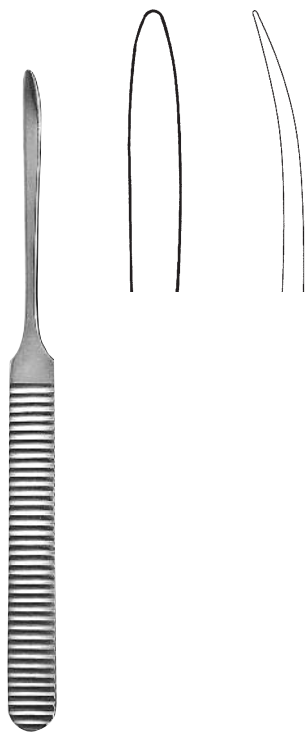


MS 109-2265



MS 109-2266

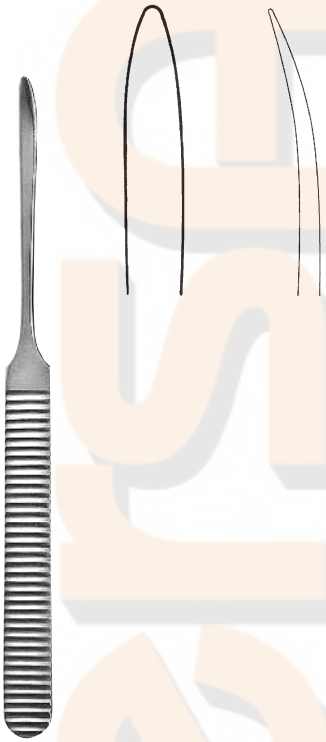
4,0 mm



WILLIGER

MS 109-2280 17,0 cm / 6¾"

5,5 mm



WILLIGER

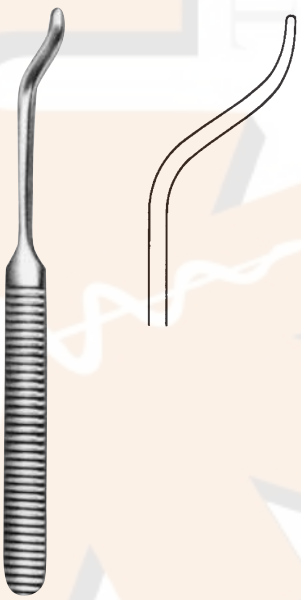
MS 109-2281 16,0 cm / 6¼"



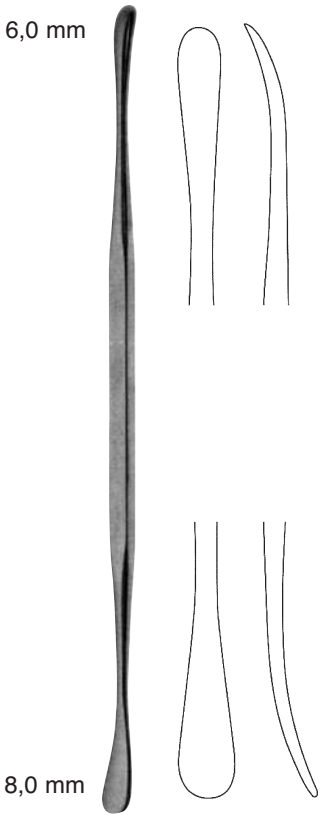
MS 109-2282 17,0 cm / 6¾"



MS 109-2283 16,0 cm / 6¼"

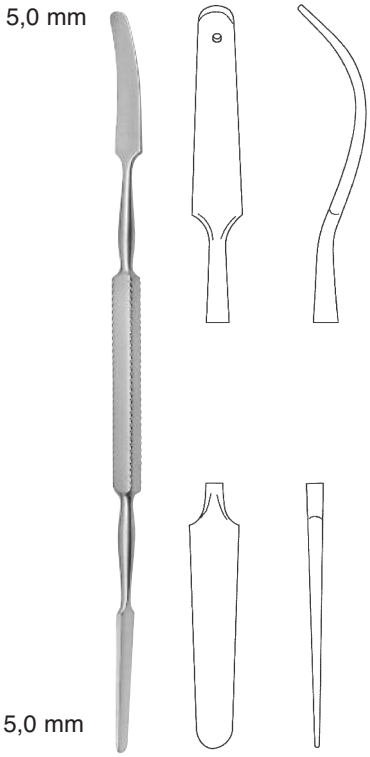


MS 109-2284 16,0 cm / 6¼"



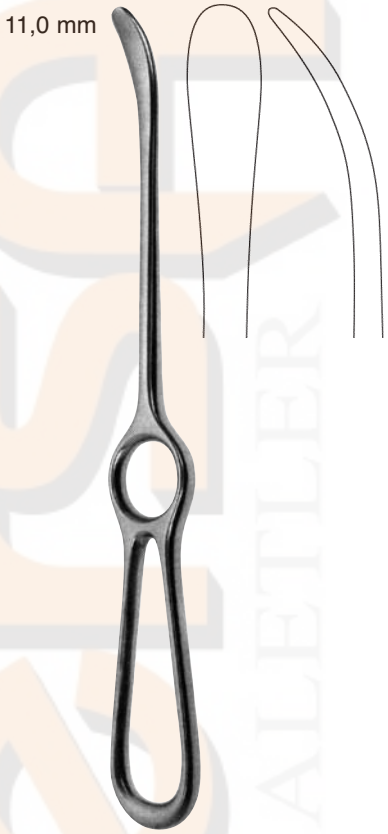
ALDERDYCE

MS 109-2285 21,0 cm / 8¼"



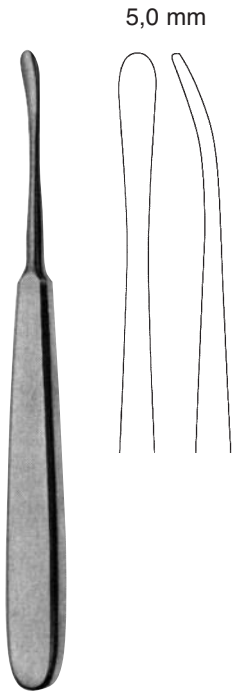
MC DONALD

MS 109-2286 19,0 cm / 7½"



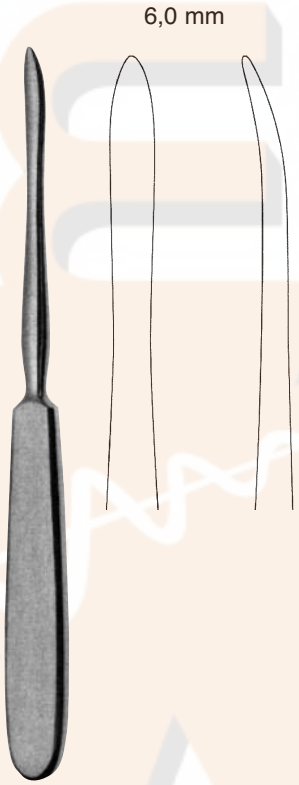
LANGENBECK

MS 109-2287 23,0 cm / 9"



SEBILEAU

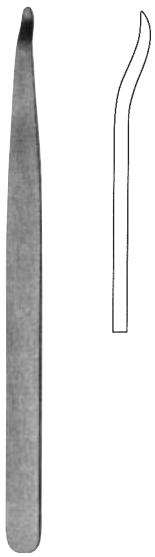
MS 109-2288 17,0 cm / 6¾"



QUERVAIN

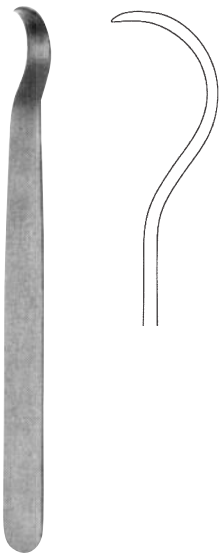
MS 109-2289 19,5 cm / 7¾"

2,8 mm



MS 109-2300 14,0 cm / 5½"

5,0 mm



MS 109-2301 15,0 cm / 6"

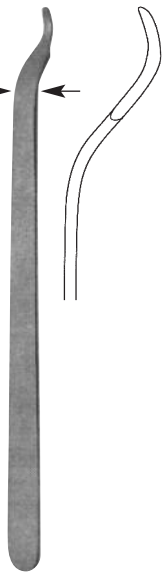
7,0 mm



MS 109-2302 15,0 cm / 6 "

2,0 mm

7,5 mm

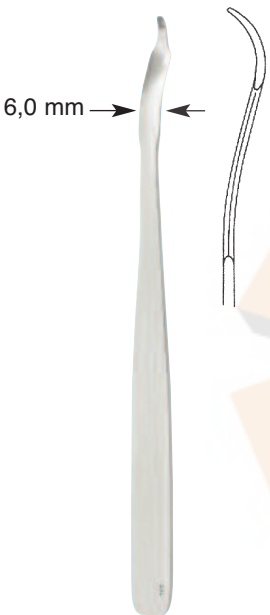


BUCK-GRAMCKO

MS 109-2303 15,0 cm / 6"

2,0 mm

6,0 mm

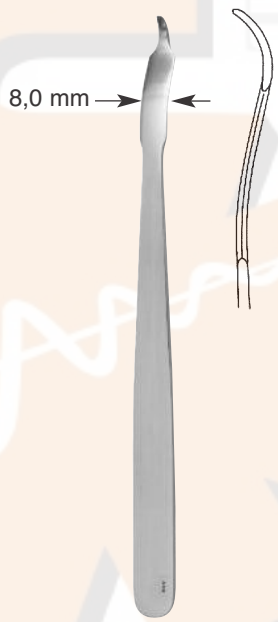


MINI-HOHMANN

MS 109-2304 16,0 cm / 6¼"

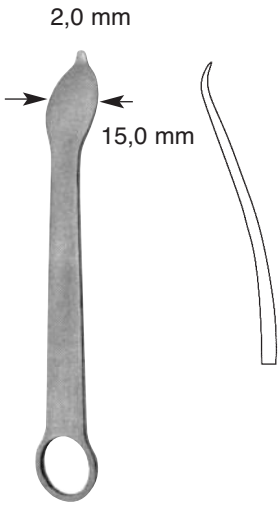
2,0 mm

8,0 mm

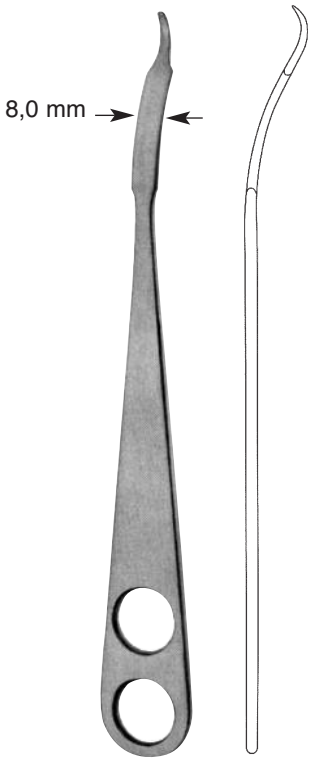


MINI-HOHMANN

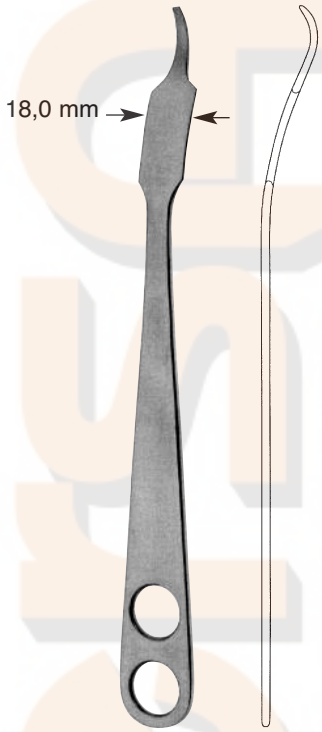
MS 109-2305 16,0 cm / 6¼"



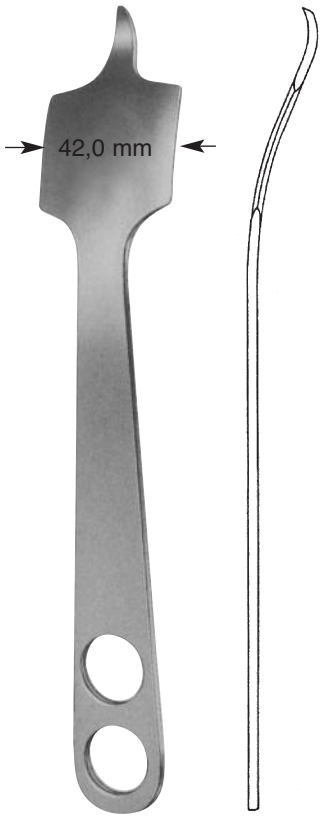
KNOCHENHEBEL
MS 109-2306 12,5 cm / 5"



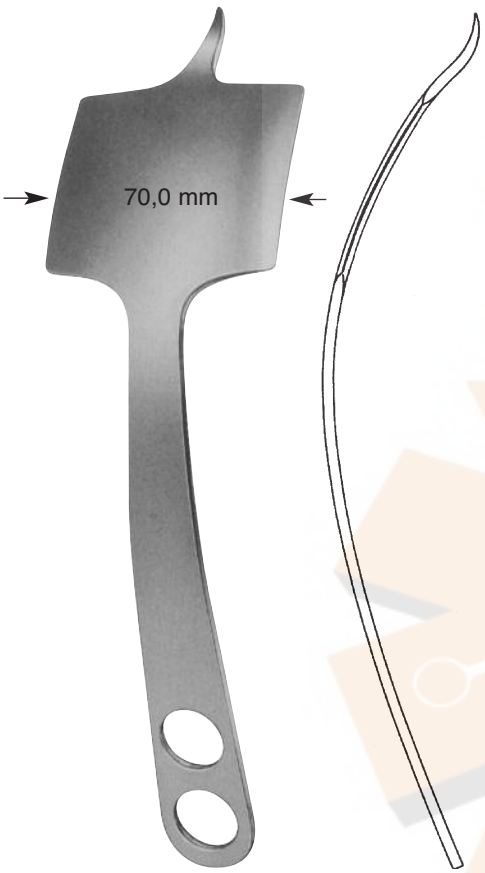
HOHMANN
MS 109-2307 22,0 cm / 8¾"



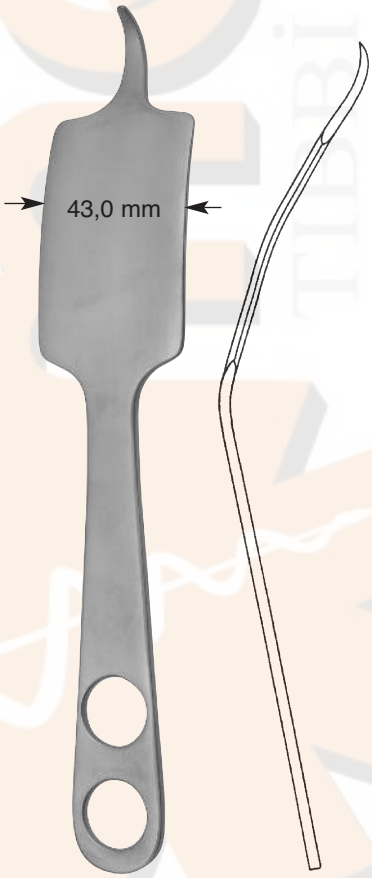
HOHMANN
MS 109-2308 23,5 cm / 9¼"



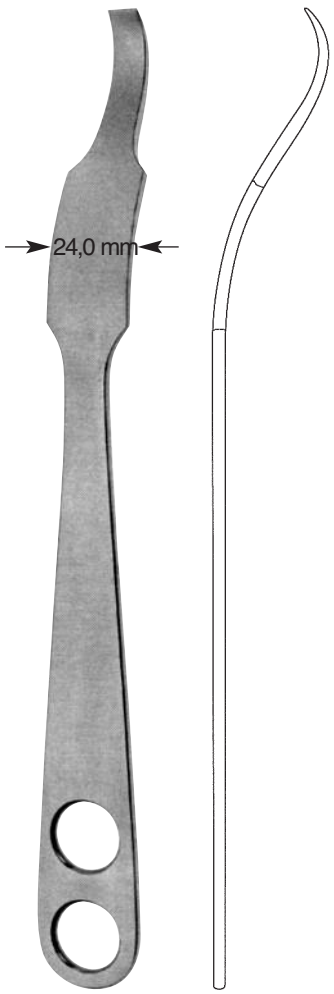
HOHMANN
MS 109-2309 24,0 cm / 9¼"



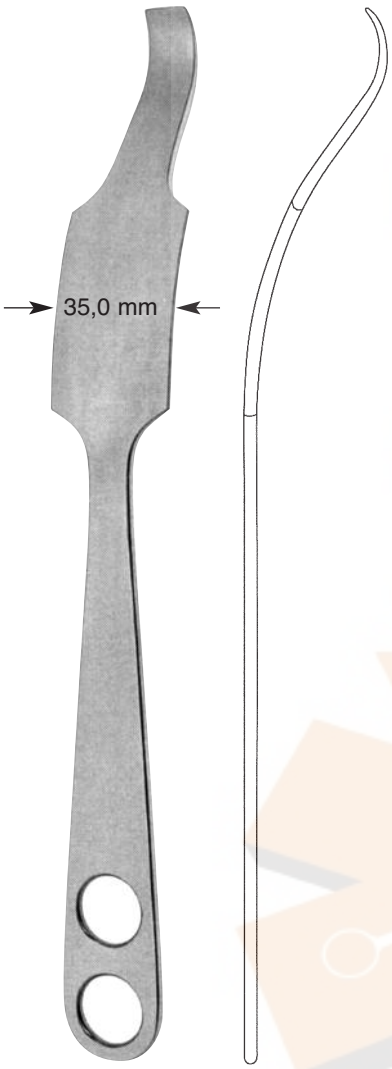
HOHMANN
MS 109-2310 25,0 cm / 9¾"



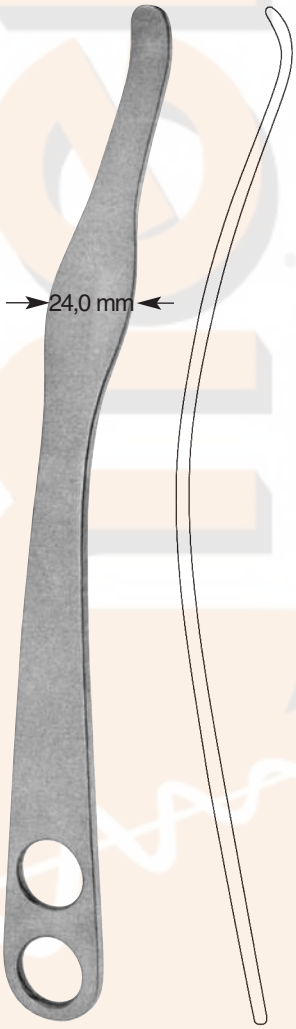
HOHMANN
MS 109-2311 23,5 cm / 9¼"



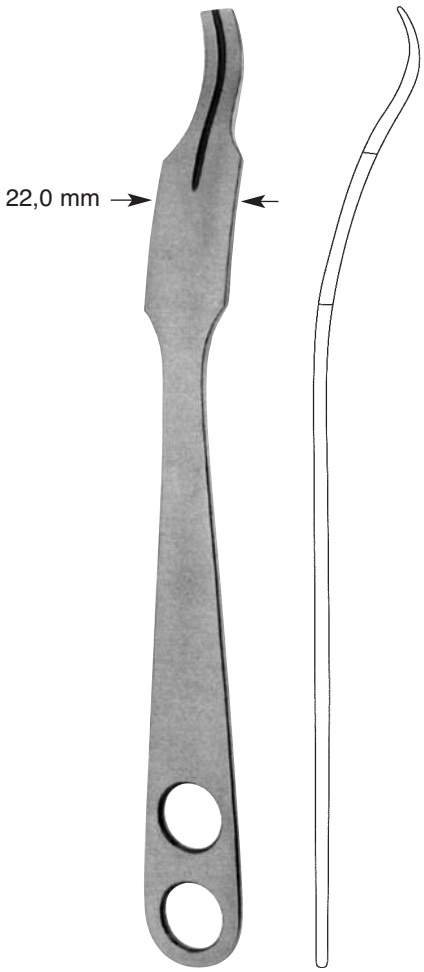
HOHMANN
MS 109-2312 26,0 cm / 10¼"



HOHMANN
MS 109-2313 29,0 cm / 11¼"

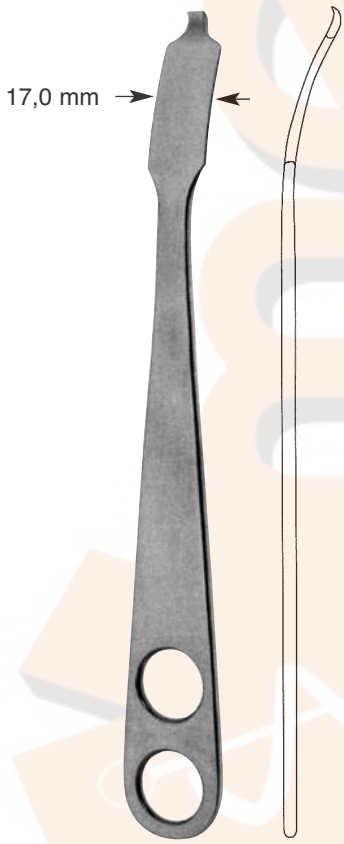


HOHMANN
MS 109-2314 27,5 cm / 10¾"



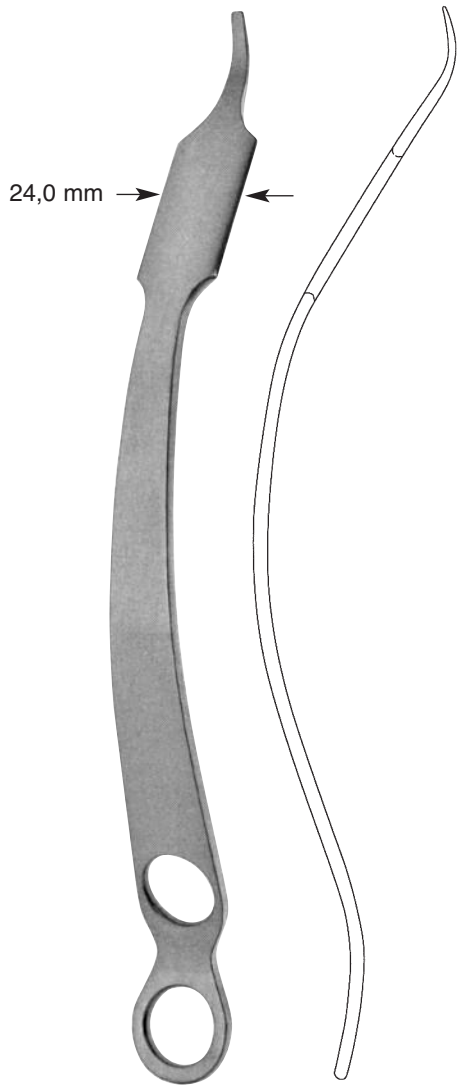
LANGE-HOHMANN

MS 109-2315 25,0 cm / 9¾"



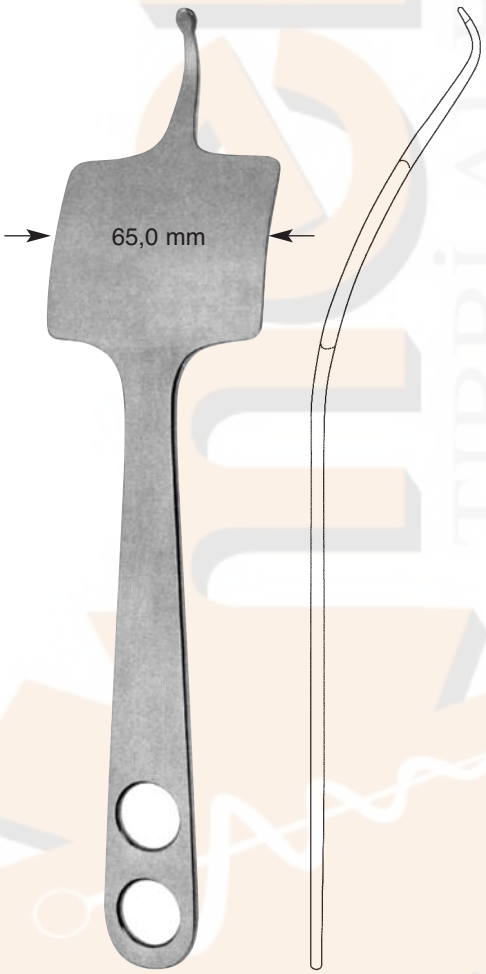
WAGNER

MS 109-2316 22,0 cm / 8¾"



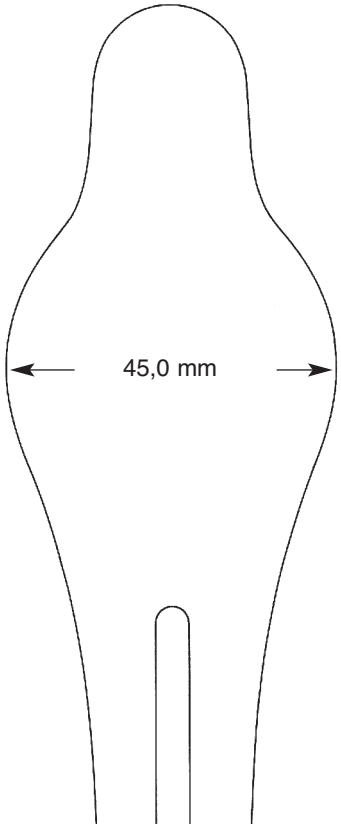
HOHMANN-ALDINGER

MS 109-2317 28,0 cm / 11"

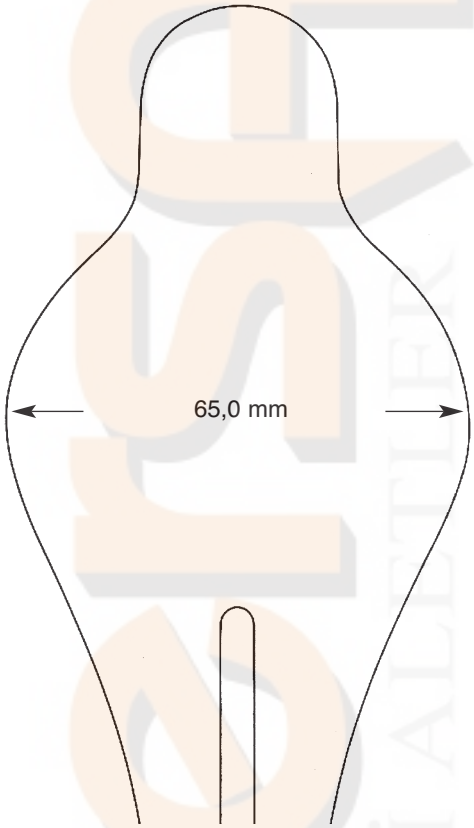


MÜLLER-VERBRUGGE

MS 109-2318 25,5 cm / 10"



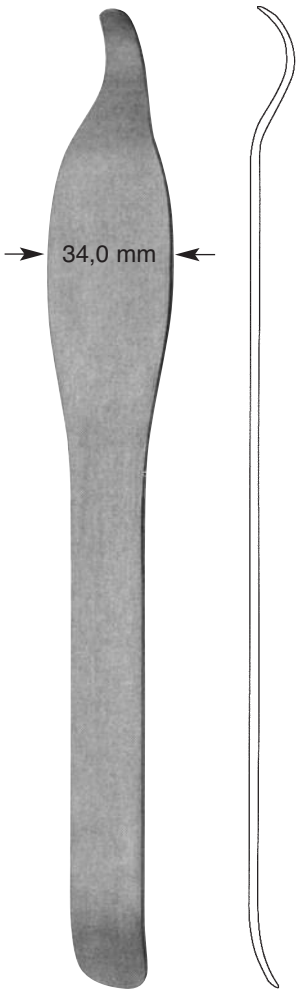
MS 109-2330



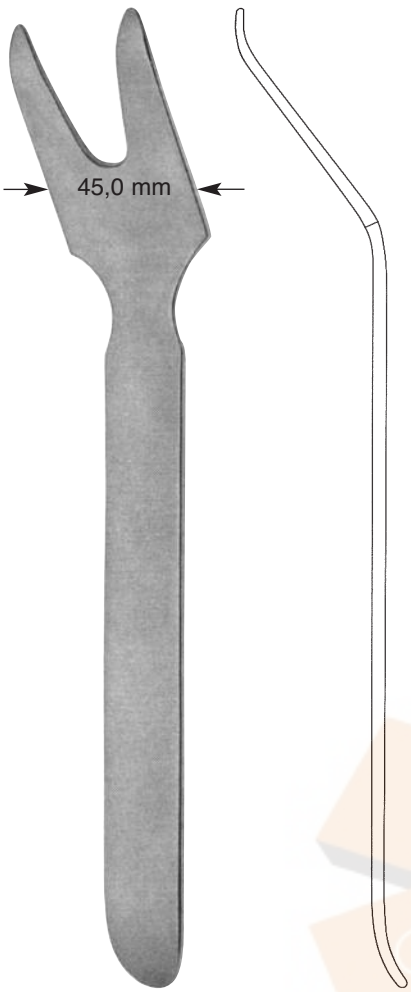
MS 109-2331



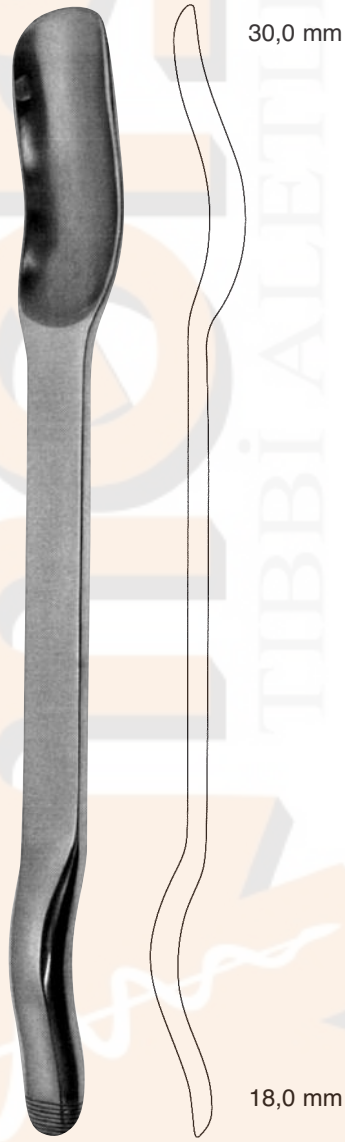
BENNET
25,0 cm / 10"



BLOUNT
MS 109-2340 26,0 cm / 10¼"



BLOUNT
MS 109-2341 26,0 cm / 10¼"



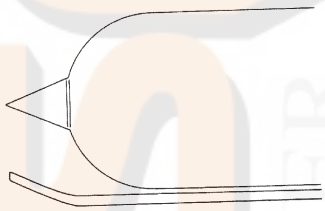
MURPHY-LANE
MS 109-2345 30,0 cm / 12"



BLOUNT

MS 109-2346 17,5 cm / 7"

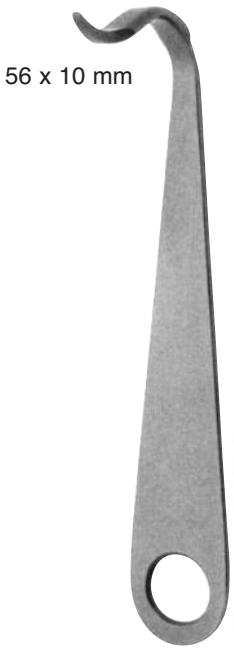




TAYLOR

16,0 cm / 6½"

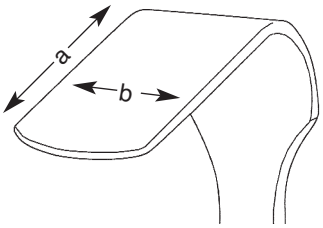
MS 109-2347 75 x 30 mm
MS 109-2348 100 x 30 mm



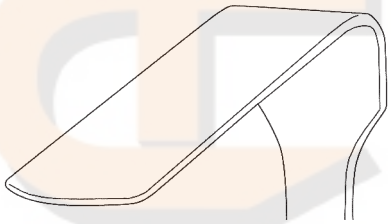
MS 109-2360 17,0 cm / 6¾"



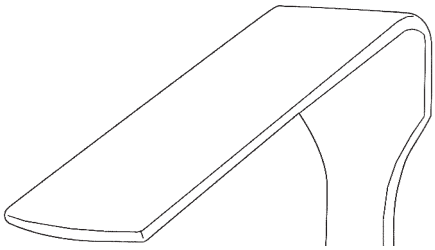
SMILLIE
14,0 cm / 5½"



MS 109-2365 32 x 19 mm (a x b)



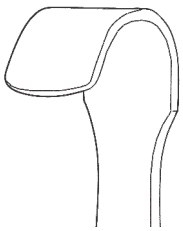
MS 109-2366 48 x 19 mm (a x b)



MS 109-2367 57 x 19 mm (a x b)



MS 109-2368 52 x 13 mm (a x b)

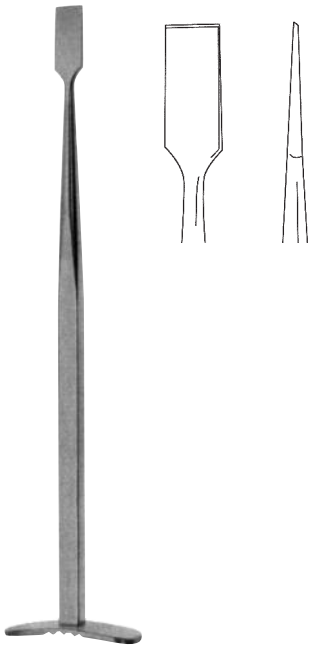


MS 109-2369 17 x 13 mm (a x b)

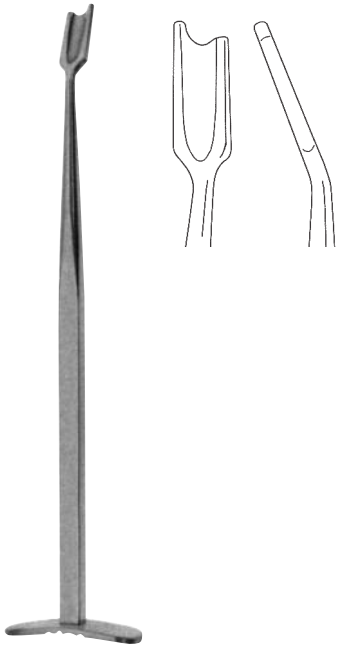
38 x 9 mm



MS 109-2380 21,0 cm / 8¼"



SMILLIE
MS 109-2385 17,0 cm / 6 3/2"



SMILLIE
MS 109-2386 17,0 cm / 6 3/4"



SMILLIE
MS 109-2387 17,0 cm / 6 3/4"



BIRCHER
MS 109-2400 19,0 cm / 7 1/2"



BIRCHER
MS 109-2401 19,0 cm / 7 1/2"



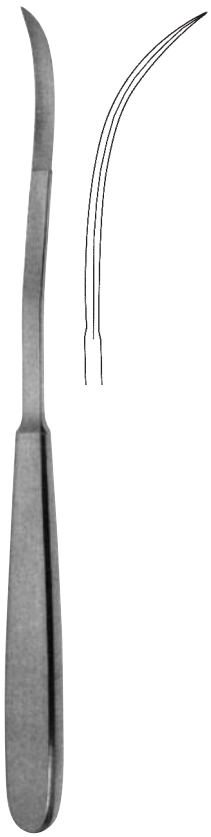
NEFF

MS 109-2410 20,5 cm / 8"



NEFF

MS 109-2411 20,5 cm / 8"



SALENIUS

MS 109-2412 22,0 cm / 8¾"



SALENIUS

MS 109-2413 22,0 cm / 8¾"



MS 109-2414 18,0 cm / 7"



MS 109-2420 Ø 3,0 mm



MS 109-2421 Ø 4,0 mm



MS 109-2422 Ø 5,0 mm



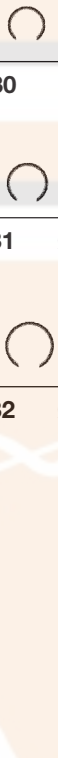
MS 109-2423 Ø 6,0 mm



MS 109-2424 Ø 7,0 mm



BUNNELL
15,0 cm / 6"



esnek şaft
flexible shaft

23,0 cm / 9"

MS 109-2430 Ø 4,0 mm

MS 109-2431 Ø 4,5 mm

MS 109-2432 Ø 5,5 mm

Ø 4,0 mm



FISCHER

MS 109-2440 31,0 cm / 12¼"

Ø 5,0 mm



BUNNELL

MS 109-2441 23,0 cm / 9"





MS 109-2450
15,0 cm / 6"



MS 109-2451
19,0 cm / 7½"



MS 109-2452
24,0 cm / 9½"

BRAND





MS 109-2460
15,0 cm / 6"



MS 109-2461
19,0 cm / 7½"



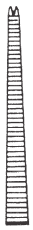
MS 109-2462
24,0 cm / 9½"

BRAND



STEINMANN
MS 109-2470 16,0 cm / 6¼"





MS 109-2471



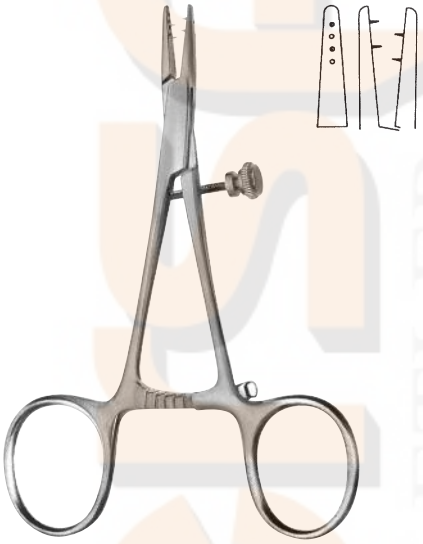
MS 109-2472

20,5 cm / 8"



CAROLL

MS 109-2480 11,0 cm / 4 3/8"

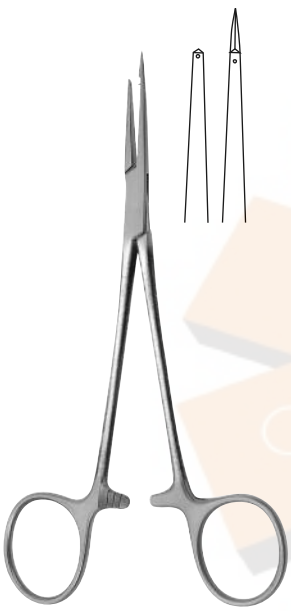


MS 109-2481 11,5 cm / 4 1/2"



KLEINERT-KUTZ

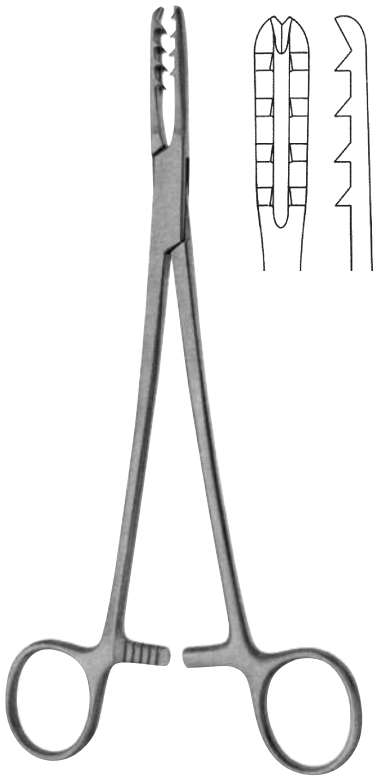
MS 109-2482	Ø 2,0 mm	20,5 cm / 8"
MS 109-2483	Ø 2,5 mm	20,5 cm / 8"



MS 109-2490 15,0 cm / 6"



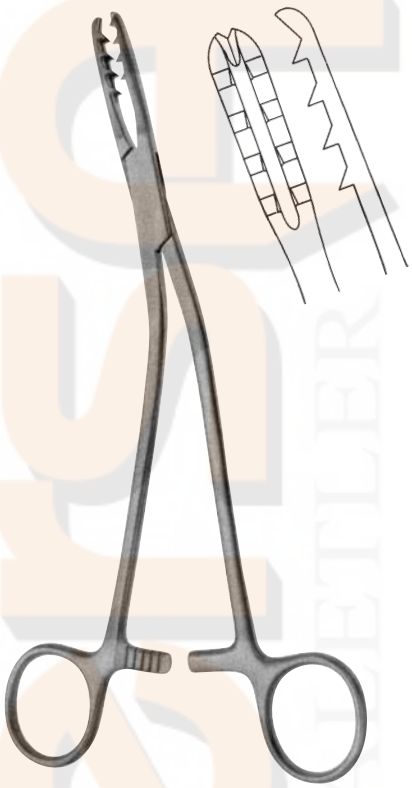
MS 109-2491 15,0 cm / 6"



BIRCHER-GANSKE
MS 109-2500 20,5 cm / 8"



BIRCHER-GANSKE
MS 109-2501 20,5 cm / 8"



BIRCHER-GANSKE
MS 109-2502 20,0 cm / 8"



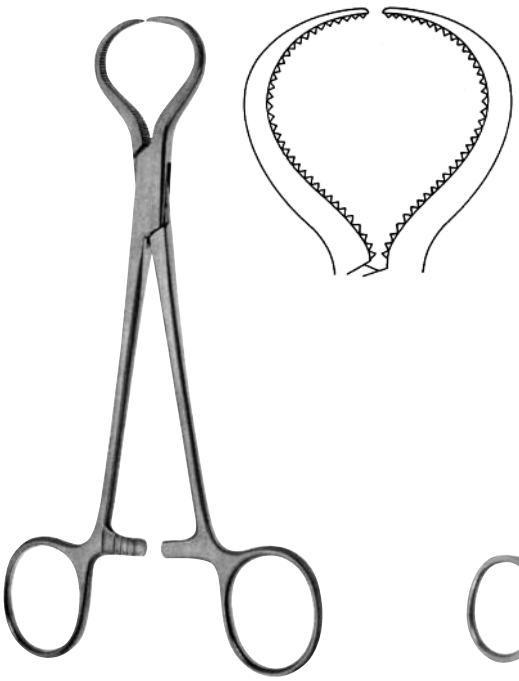
MS 109-2510 14,0 cm / 5¼"



DINGMANN
MS 109-2511 18,5 cm / 7¼"



MARTIN
MS 109-2512 18,5 cm / 7¼"



LEWIN

MS 109-2520 18,0 cm / 7"



MS 109-2521 14,0 cm / 5 ½"



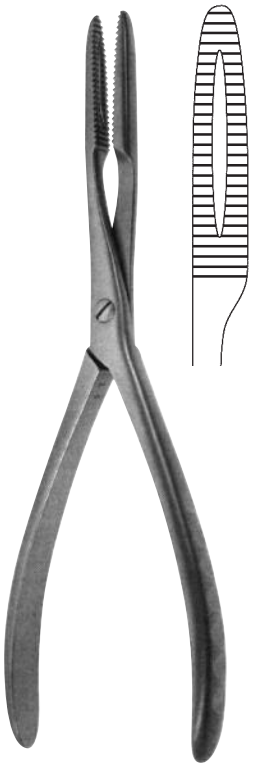
MS 109-2522 14,0 cm / 5 ½"



MS 109-2523 13,5 cm / 5 ¼"



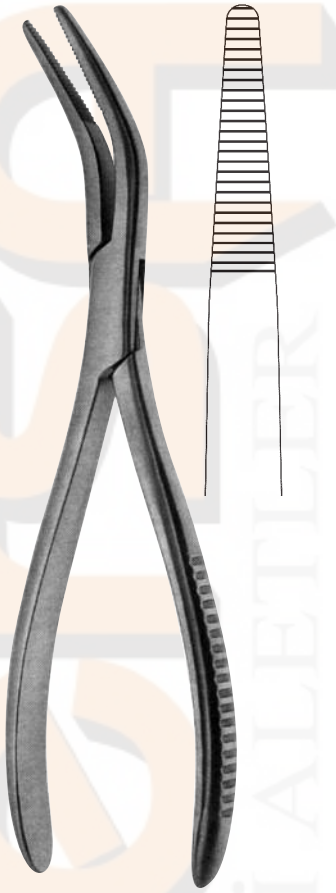
MS 109-2524 20,5 cm / 8"



MS 109-2530 20,0 cm / 8"



MS 109-2531 20,0 cm / 8"



VAN BUREN

MS 109-2532 23,0 cm / 9"



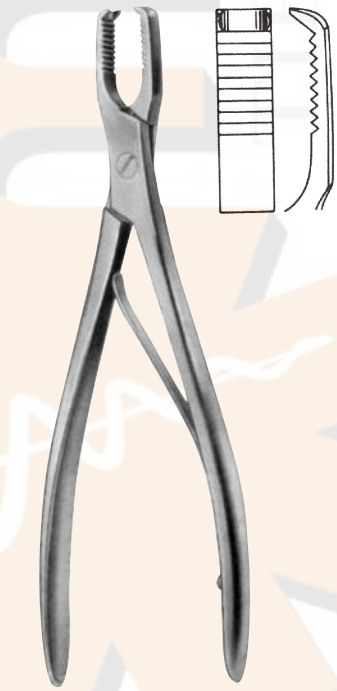
LANGENBECK

MS 109-2533 21,0 cm / 9"



FERGUSSON

MS 109-2534 21,0 cm / 8¼"



FROSCH

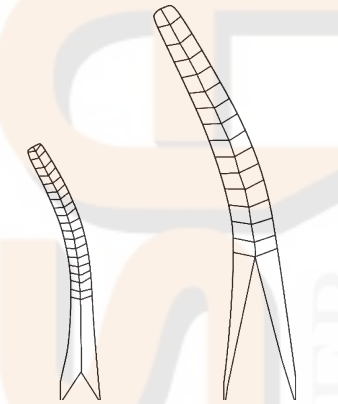
MS 109-2535 18,0 cm / 7"



LANGENBECK

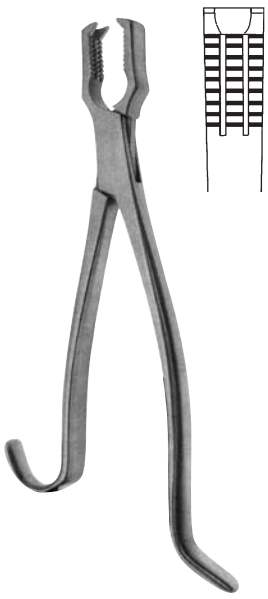
MS 109-2536 20,0 cm / 8"





MS 109-2540
16,0 cm / 6¼"

MS 109-2541
24,0 cm / 9½"



BABY-KERN

MS 109-2550 15,0 cm / 6"



KERN

MS 109-2551 17,0 cm / 6¾"
MS 109-2552 21,0 cm / 8¼"



BABY-KERN

MS 109-2560 15,0 cm / 6"



KERN

MS 109-2561 17,0 cm / 6¾"
MS 109-2562 21,0 cm / 8¼"



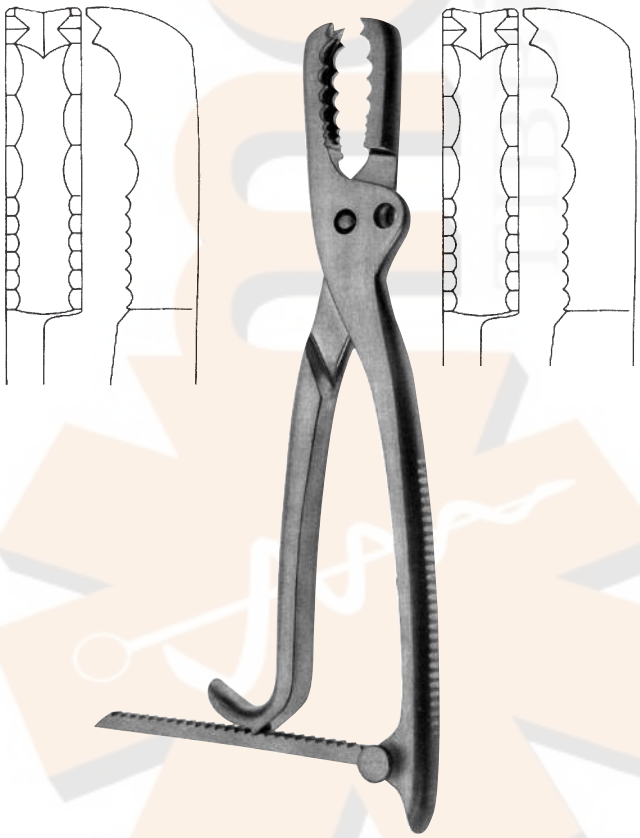
SEMB

MS 109-2570 19,0 cm / 7¾"



FARABEUF

MS 109-2571 23,0 cm / 9"
MS 109-2572 26 0 cm / 10¼"

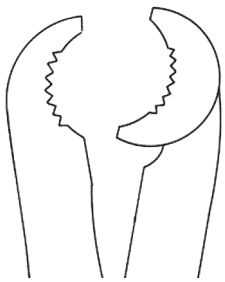


FARABEUF-LAMBOTTE

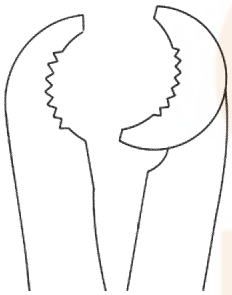
MS 109-2573 26,0 cm / 10"



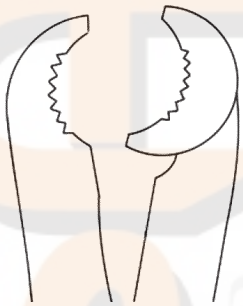
LAMBOTTE



MS 109-2580
22,0 cm / 8¾"

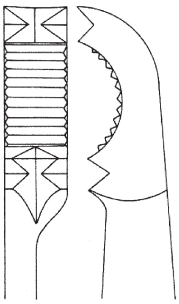


MS 109-2581
27,0 cm / 10¾"

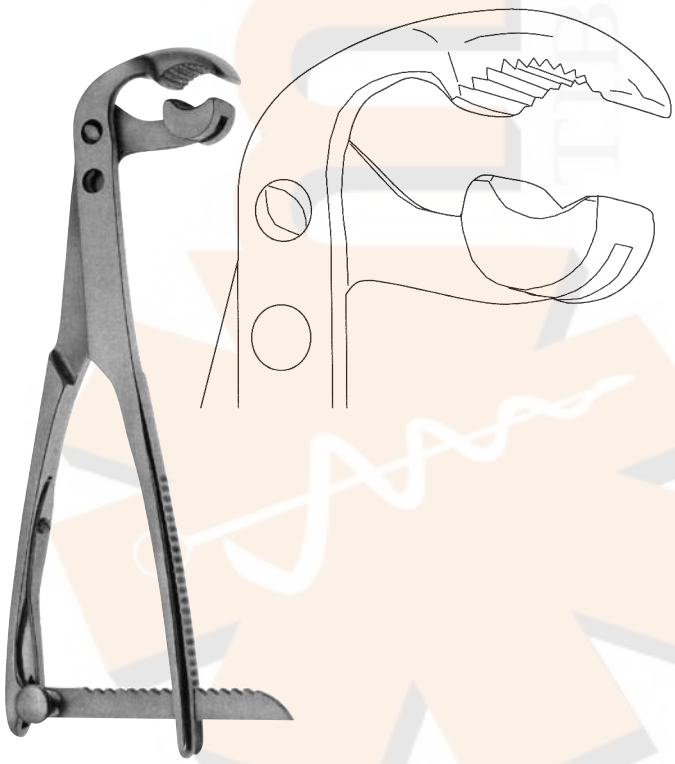


MS 109-2582
30,0 cm / 11¾"





TUFFIER
MS 109-2590 27,0 cm / 10¾"



LAMBOTTE
MS 109-2591 19,0 cm / 7½"



LANE

MS 109-2600	33,0 cm / 13"
MS 109-2601	45,0 cm / 17¾"



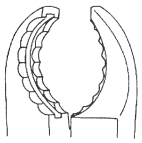
LANE

MS 109-2610	33,0 cm / 13"
MS 109-2611	45,0 cm / 17¾"



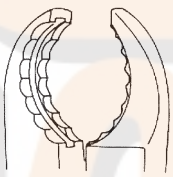
ULRICH

5,0 mm



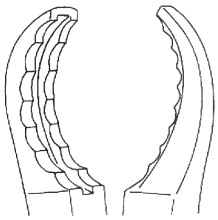
MS 109-2620
18,0 cm / 7"

7,5 mm



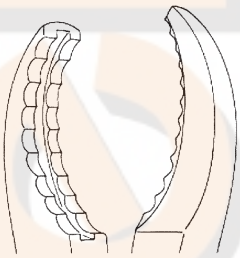
MS 109-2621
23,0 cm / 9"

8,0 mm



MS 109-2622
25,0 cm / 10"

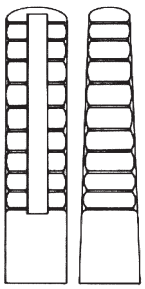
8,5 mm



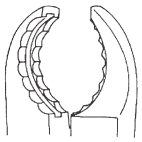
MS 109-2623
28,0 cm / 11"



ULRICH

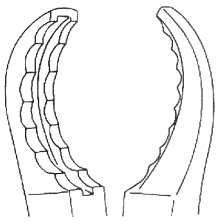


5,0 mm



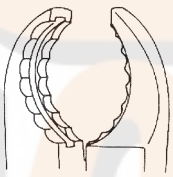
MS 109-2630
18,0 cm / 7"

8,0 mm



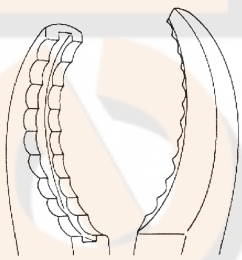
MS 109-2632
25,0 cm / 10"

7,5 mm



MS 109-2631
23,0 cm / 9"

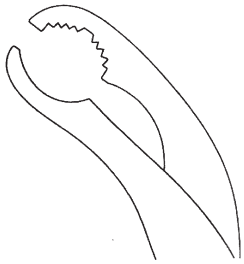
8,5 mm



MS 109-2633
28,0 cm / 11"

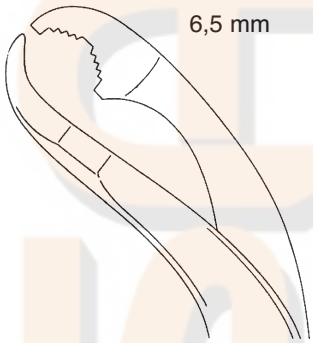


2,5 mm



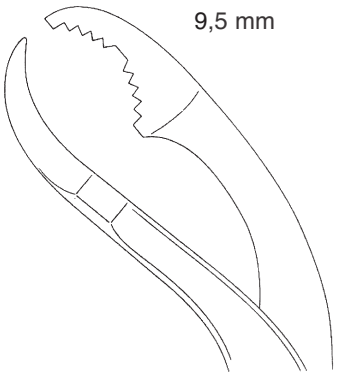
MS 109-2640
15,0 cm / 6"

6,5 mm



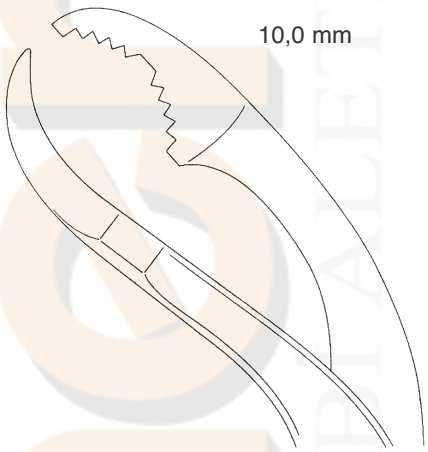
MS 109-2641
19,0 cm / 7½"

9,5 mm



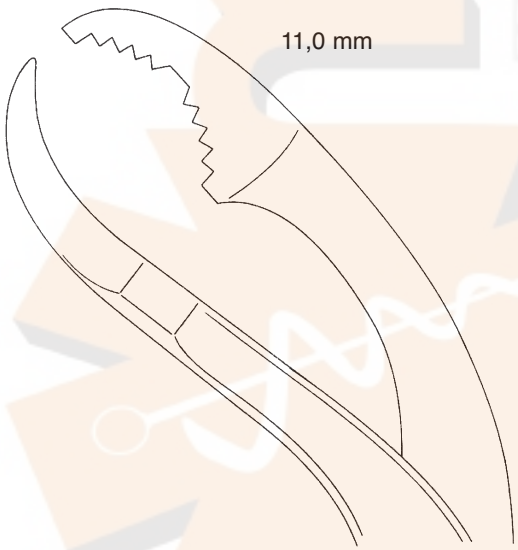
MS 109-2642
24,0 cm / 9½"

10,0 mm



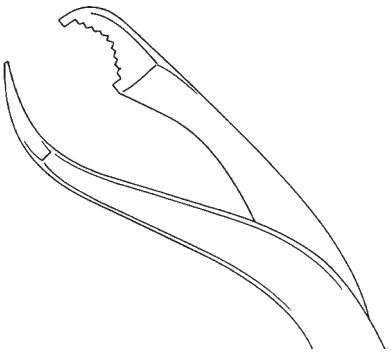
MS 109-2643
26,0 cm / 10¼"

11,0 mm



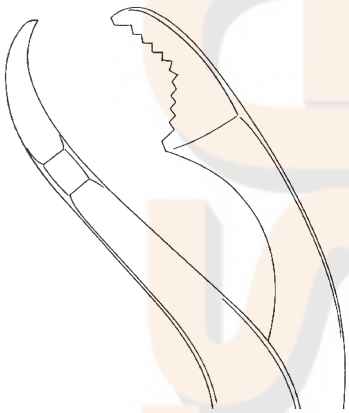
MS 109-2644
28,0 cm / 11"

6,0 mm

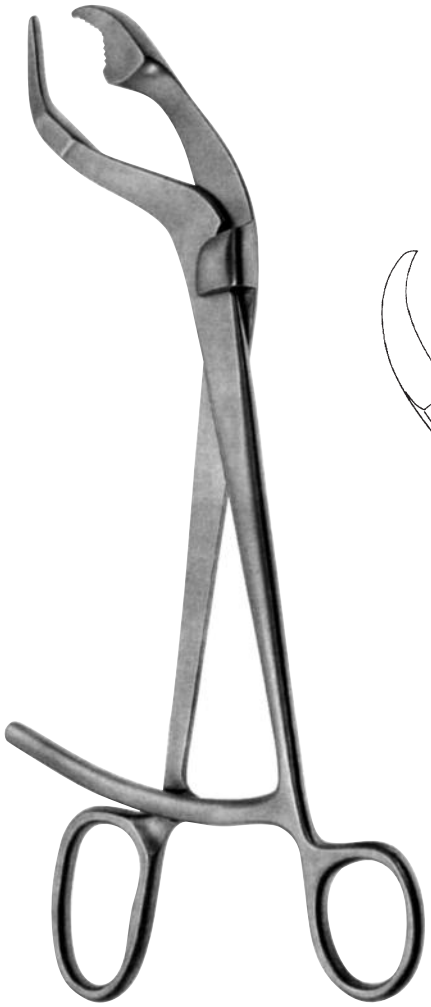


MS 109-2650
17,5 cm /7"

9,0 mm

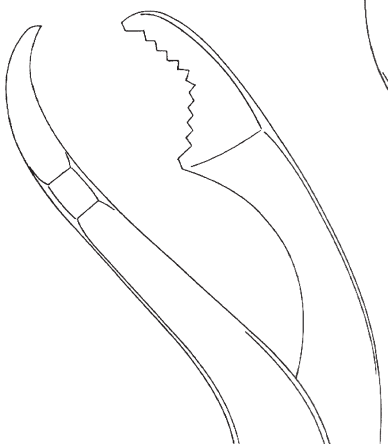


MS 109-2651
25,0 cm /10"



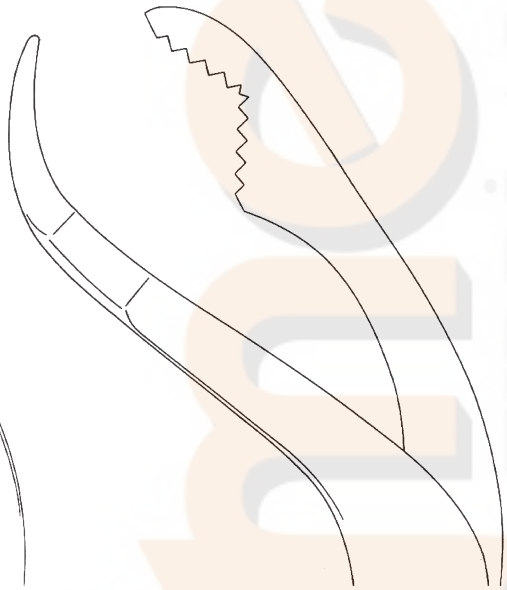
VERBRUGGE

11,5 mm

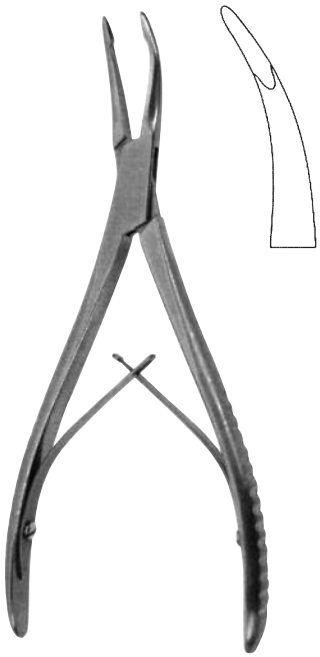


MS 109-2652
26,0 cm /10¼"

12,5 mm

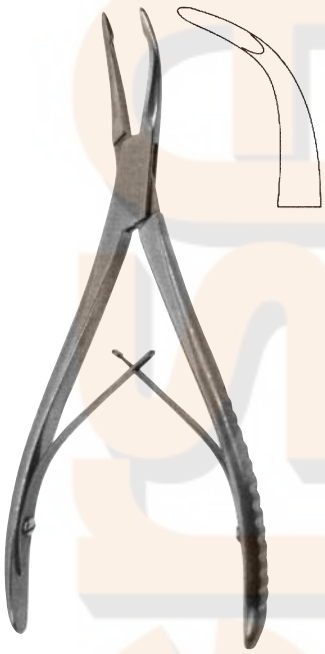


MS 109-2653
27,0 cm /10¾"



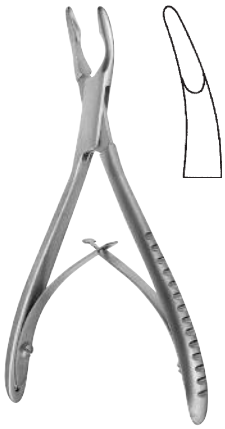
STELLBRINK

MS 109-2660 17,5 cm / 7"



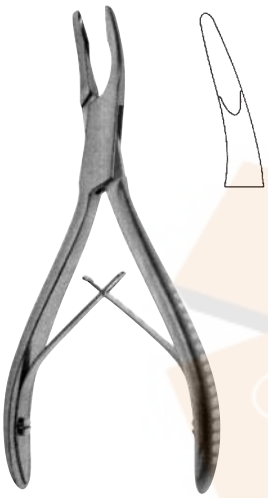
STELLBRINK

MS 109-2661 17,5 cm / 7"



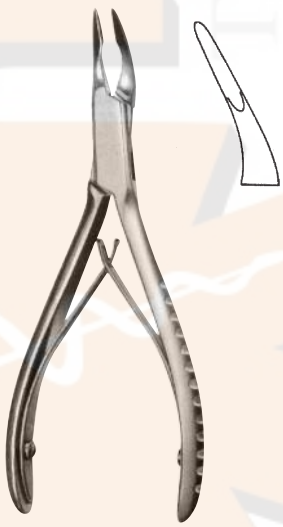
MINI-FRIEDMANN

MS 109-2670 12,0 cm / 4¾"



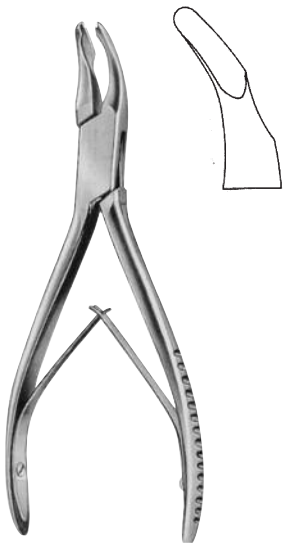
FRIEDMANN

MS 109-2671 14,0 cm / 5½"



FRIEDMANN-VICKERS

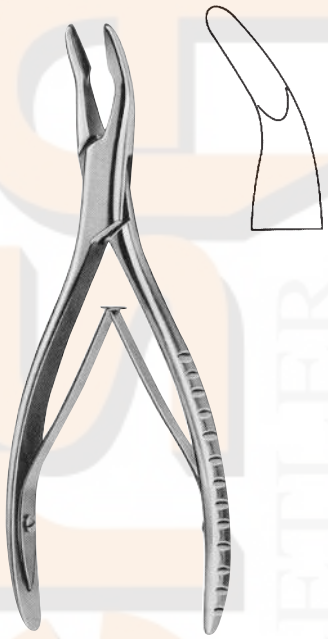
MS 109-2672 14,0 cm / 5½"



CLEVELAND
MS 109-2673 14,0 cm / 5½"



CLEVELAND
MS 109-2674 17,0 cm / 6¾"



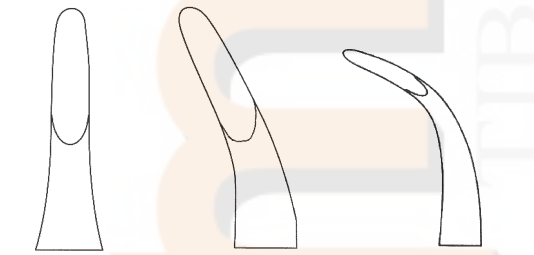
MEAD
MS 109-2675 16,5 cm / 6½"



HARTMANN
MS 109-2676 18,0 cm / 7"

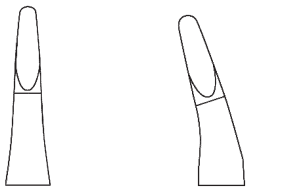


JANSEN
18,0 cm / 7"



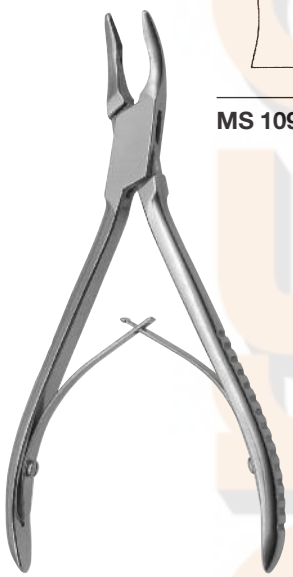
MS 109-2677 **MS 109-2678** **MS 109-2679**

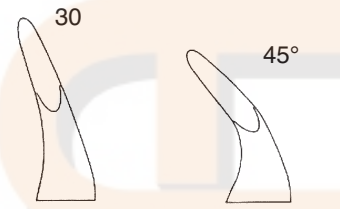




MS 109-2690 MS 109-2691

LEMPERT
19,0 cm / 7 ½"





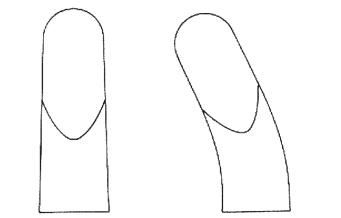
MS 109-2700 MS 109-2701



MS 109-2702

BLUMENTHAL
15,5 cm / 6"

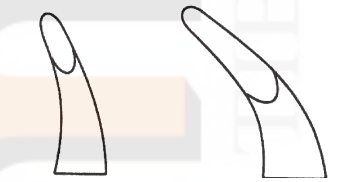




MS 109-2710 MS 109-2711

LUER
17,0 cm / 6 ¾"



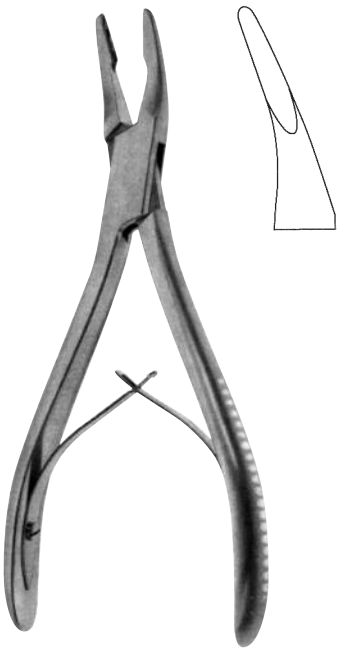


MS 109-2720 MS 109-2721

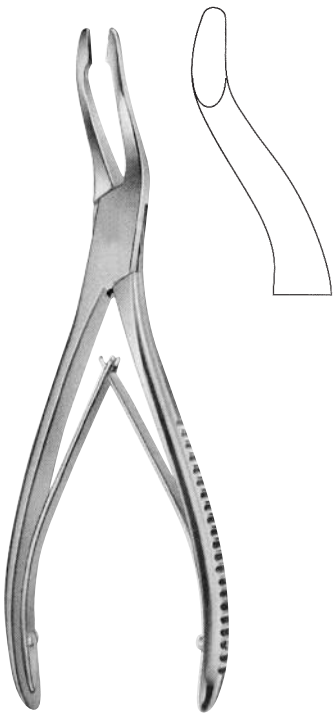


MS 109-2722

LUER
14,5 cm / 5 ¾"



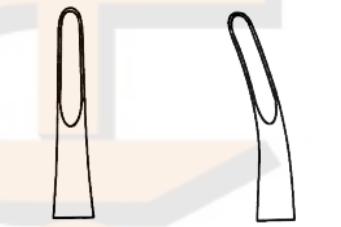
BEYER
MS 109-2730 18,0 cm / 7"



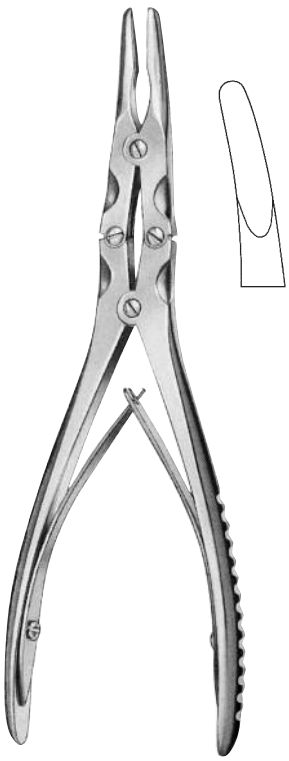
JANSEN
MS 109-2731 19,0 cm / 7½"



BÖHLER
15,5 cm / 6"



MS 109-2732 **MS 109-2733**



BEYER
MS 109-2734 18,0 cm / 7"



ZAUFAL-JANSEN
MS 109-2735 18,0 cm / 7"



MAYFIELD
MS 109-2736 17,5 cm / 7"



MAR UARDT

MS 109-2737 20,0 cm / 8"



RUSKIN

MS 109-2738 18,0 cm / 7"



RUSKIN

MS 109-2739 24,0 cm / 9½"



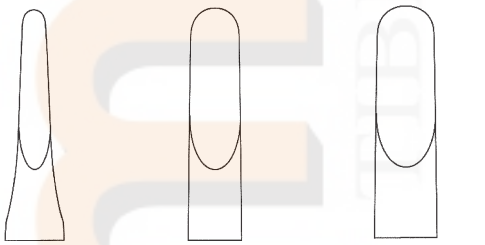
SEMB

MS 109-2740 23,5 cm / 9¼"



STILLE

23,0 cm / 9"



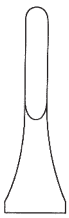
MS 109-2750 **MS 109-2751** **MS 109-2752**

2,0 mm



MS 109-2760

3,0 mm



MS 109-2761

4,0 mm



MS 109-2762



ECHLIN
23,0 cm / 9"



STILLE RUSKIN
MS 109-2770 23,0 cm / 9"

3,0 mm



MS 109-2780

5,0 mm



MS 109-2781

8,0 mm



MS 109-2782



LEKSELL-STILLE
24,5 cm / 9¾"



FRYKHOLM
MS 109-2790 24,5 cm / 9¾"



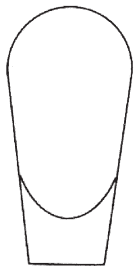
MS 109-2791



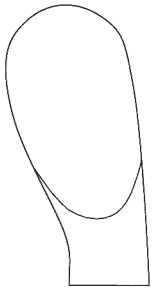
MS 109-2792



STILLE-LUER
22,0 cm / 8¾"



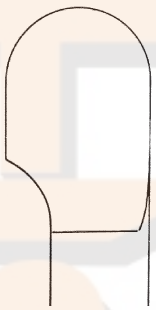
MS 109-2793 23,0 cm / 9"
MS 109-2794 27,0 cm / 10 3/4"



MS 109-2795 23,0 cm / 9"
MS 109-2796 27,0 cm / 10 3/4"



STILLE-LUER



MS 109-2800



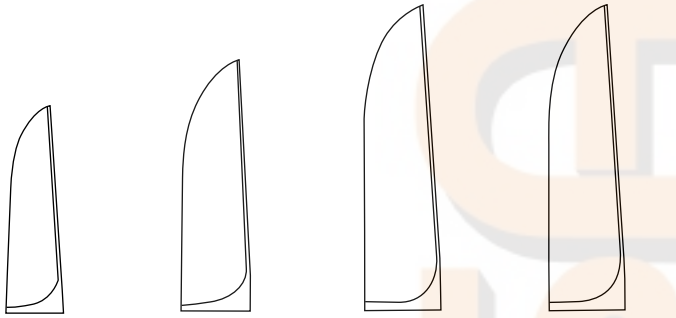
MS 109-2801



SAUERBRUCH
30,0 cm / 11 3/4"



LISTON



MS 109-2810
14,0 cm / 5 1/2"

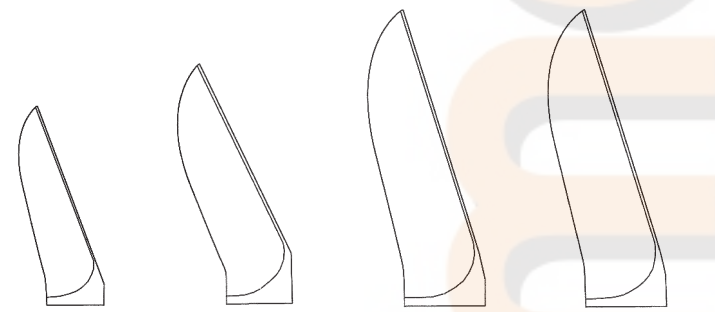
MS 109-2811
17,0 cm / 6 3/4"

MS 109-2812
19,0 cm / 7 1/2"

MS 109-2813
22,0 cm / 8 3/4"



LISTON



MS 109-2820
14,0 cm / 5 1/2"

MS 109-2821
17,0 cm / 6 3/4"

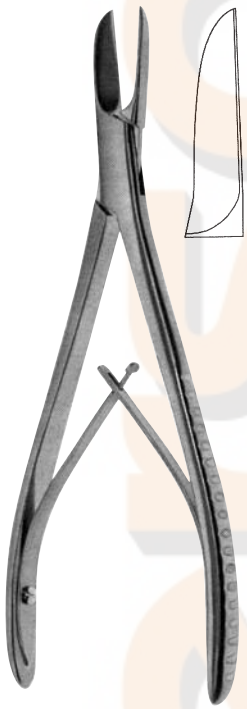
MS 109-2822
19,0 cm / 7 1/2"

MS 109-2823
22,0 cm / 8 3/4"



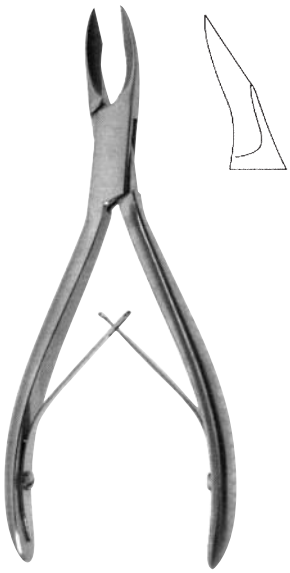
MARKWALDER

MS 109-2830 20,0 cm / 8"



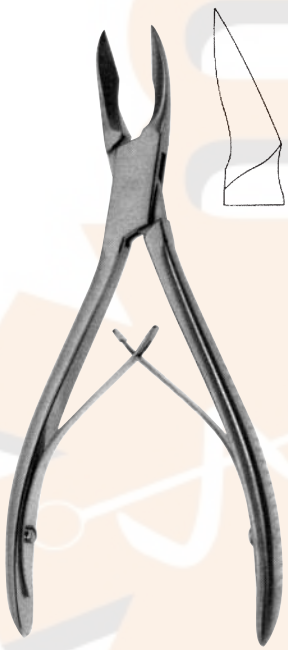
COTTLE-KAZANJIAN

MS 109-2831 19,0 cm / 7½"



CLEVELAND

MS 109-2832 15,0 cm / 6"

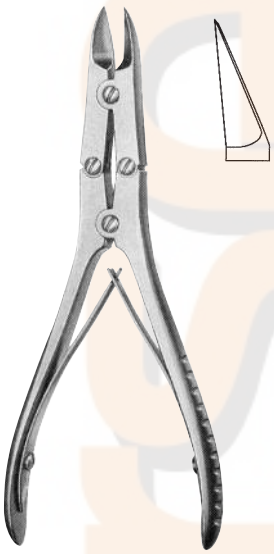


CLEVELAND

MS 109-2833 17,0 cm / 6¾"



BÖHLER
MS 109-2834 15,0 cm / 6"



BÖHLER
MS 109-2835 15,0 cm / 6"



RUSKIN
MS 109-2836 18,0 cm / 7"



RUSKIN
MS 109-2837 18,0 cm / 7 "



MC INDOE
MS 109-2838 17,5 cm / 6¾"



STILLE-LISTON
MS 109-2839 27,0 cm / 10 3/4"



STILLE-LISTON
MS 109-2840 27,0 cm / 10 3/4"



STILLE-LISTON

MS 109-2841 24,0 cm / 9½"



STILLE-LISTON

MS 109-2842 27,0 cm / 10¾"



LISTON-KEY

MS 109-2843 27,0 cm / 10 3/4"



SEMB

MS 109-2844 24,0 cm / 9 1/2"



MS 109-2860 24,5 cm / 9¾"
çocuk için
for children

MS 109-2861 37,0 cm / 14½"
yetişkin için
for adults



MARTIN-VICKERS

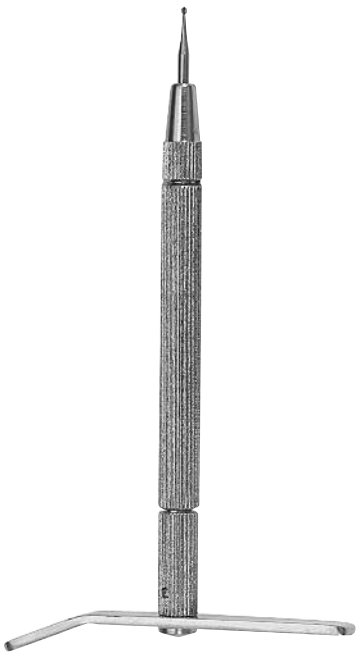
MS 109-2862 27,0 cm / 10¾"



MS 109-2864
Sadece Bant
Band only

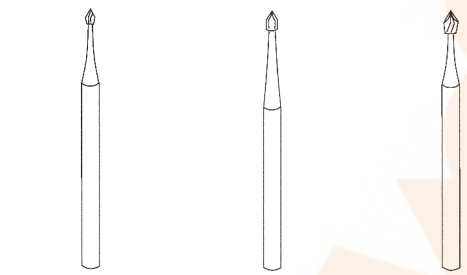
FELDHEIM

MS 109-2863 10,0 cm / 4"



MARTIN-IDEAL

MS 109-2870
komple
complet



MS 109-2871 **MS 109-2872** **MS 109-2873**

MARTIN-IDEAL

MS 109-2874
3 matkap set
Set of 3 drills



MS 109-2880-1
Yedek testere
Spare saw

MOD. MARTIN
MS 109-2880 17,0 cm / 6 3/4"



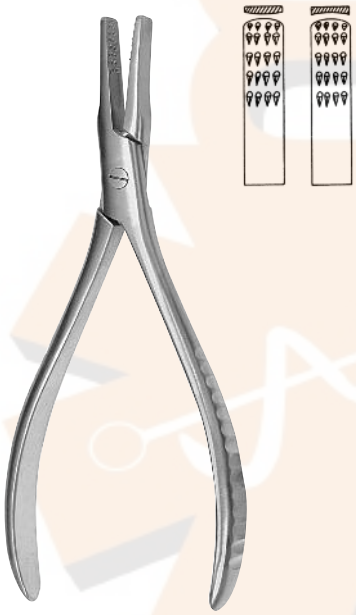
MS 109-2881-1
Yedek Testere
Spare saw

WALTON
MS 109-2881 16,0 cm / 6 1/4"

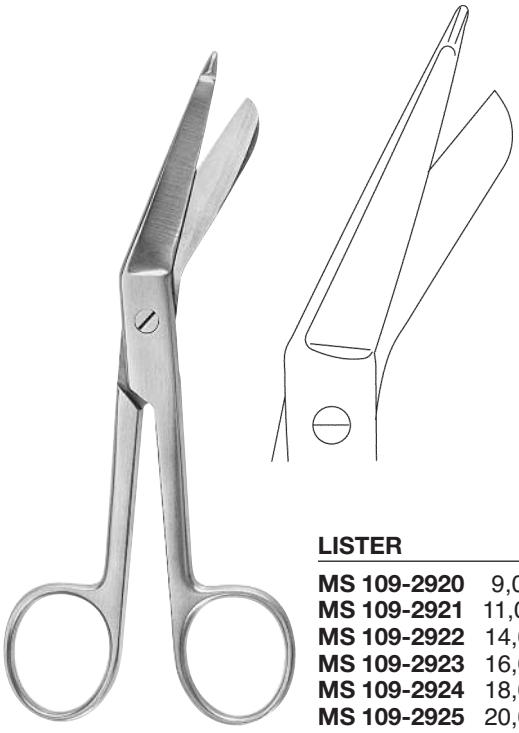


MS 109-2883
Yedek Testere
Spare saw

MS 109-2882 17,0 cm / 6 3/4"



RADOLF
MS 109-2890 13,5 cm / 5 3/8"



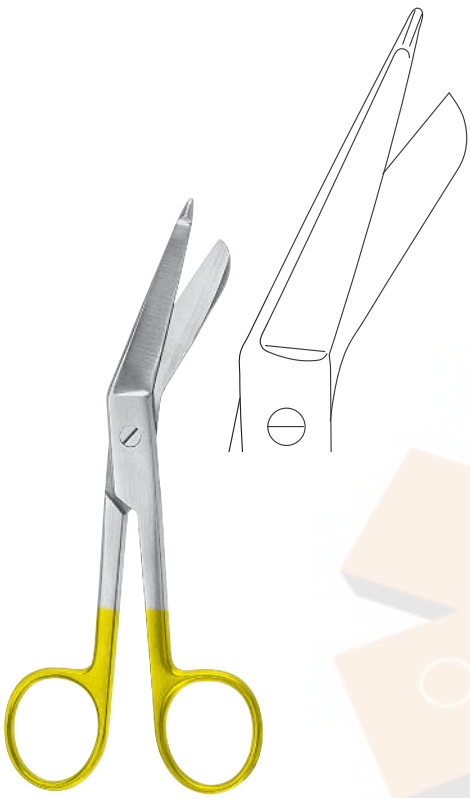
LISTER

MS 109-2920	9,0 cm / 3½"
MS 109-2921	11,0 cm / 4⅜"
MS 109-2922	14,0 cm / 5½"
MS 109-2923	16,0 cm / 6¼"
MS 109-2924	18,0 cm / 7"
MS 109-2925	20,0 cm / 8"



LISTER

MS 109-2940	14,0 cm / 5½
MS 109-2941	18,0 cm / 7"
MS 109-2942	20,0 cm / 8"



LISTER

MS 109-2950	14,0 cm / 5½"
MS 109-2951	18,0 cm / 7"



LISTER

MS 109-2960	15,0 cm / 6"
MS 109-2961	18,0 cm / 7"



LISTER

MS 109-2962	15,0 cm / 6"
MS 109-2963	18,0 cm / 7"



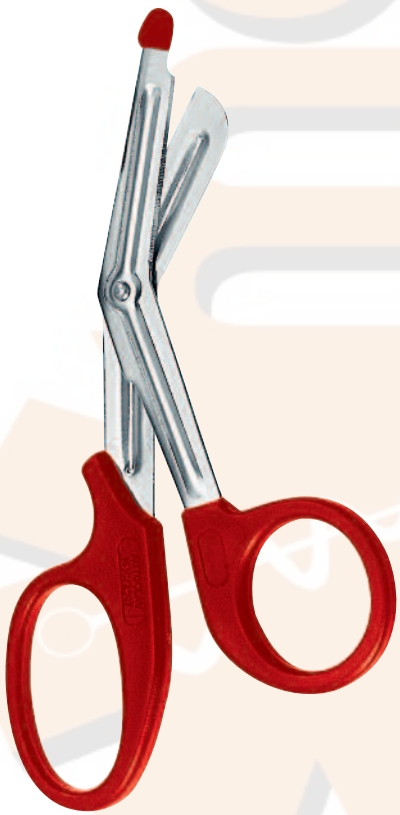
LISTER

MS 109-2964	15,0 cm / 6"
MS 109-2965	18,0 cm / 7"



LISTER

MS 109-2966	15,0 cm / 6"
MS 109-2967	18,0 cm / 7"



LISTER

MS 109-2968	15,0 cm / 6"
MS 109-2969	18,0 cm / 7"



LISTER

MS 109-2980 20,0 cm / 8"



EXCENTRIC

MS 109-2981 16 cm / 5½"



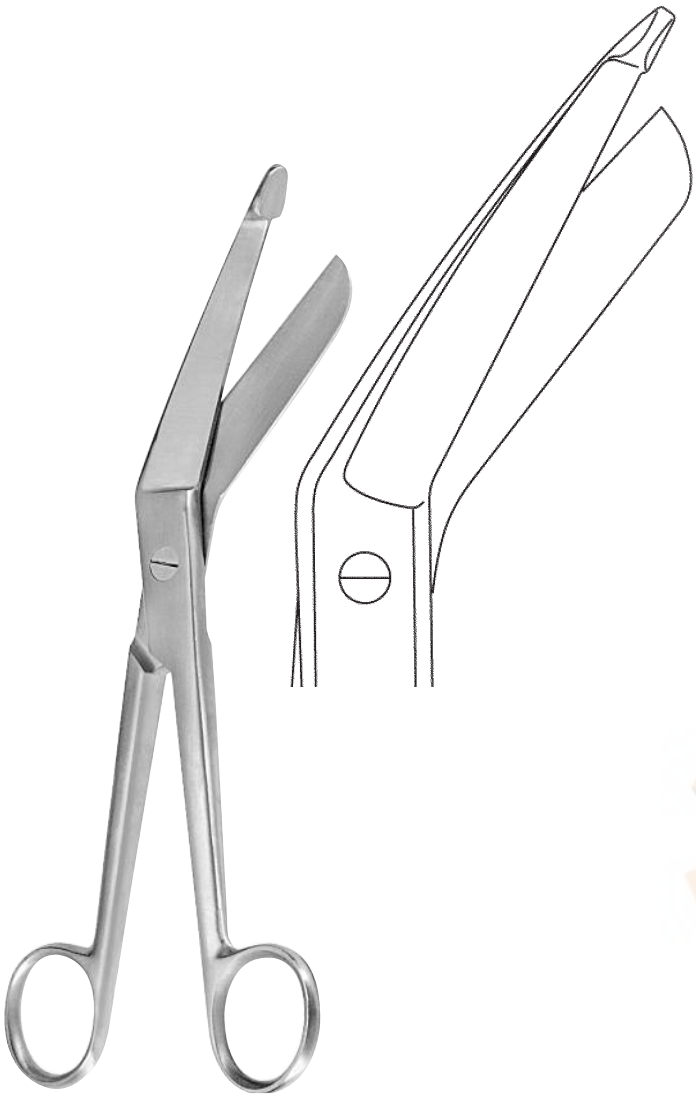
KNOWLES

MS 109-2990 14,0 cm / 5½"

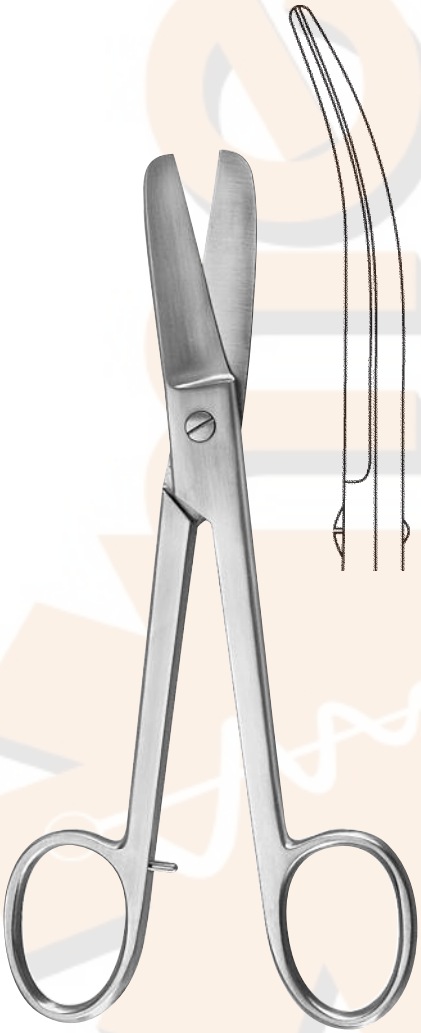


KNOWLES

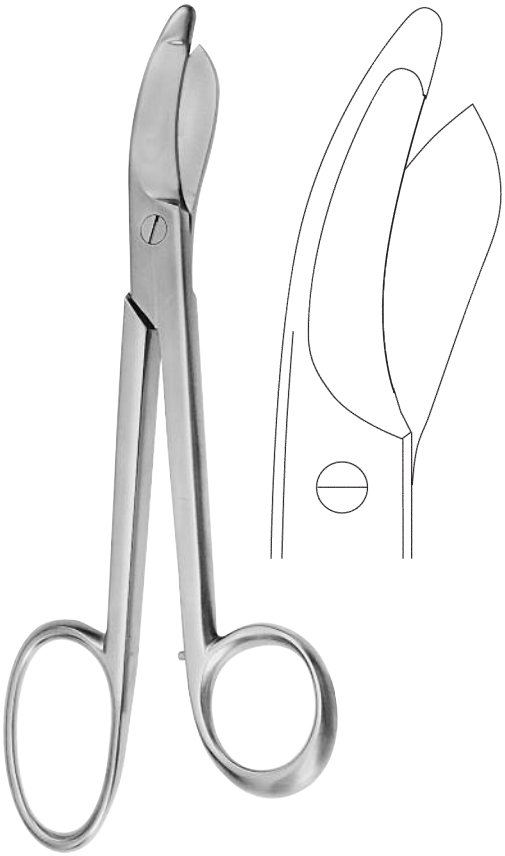
MS 109-2991 14,0 cm / 5½"



BERGMANN
MS 109-2992 23,0 cm / 9"

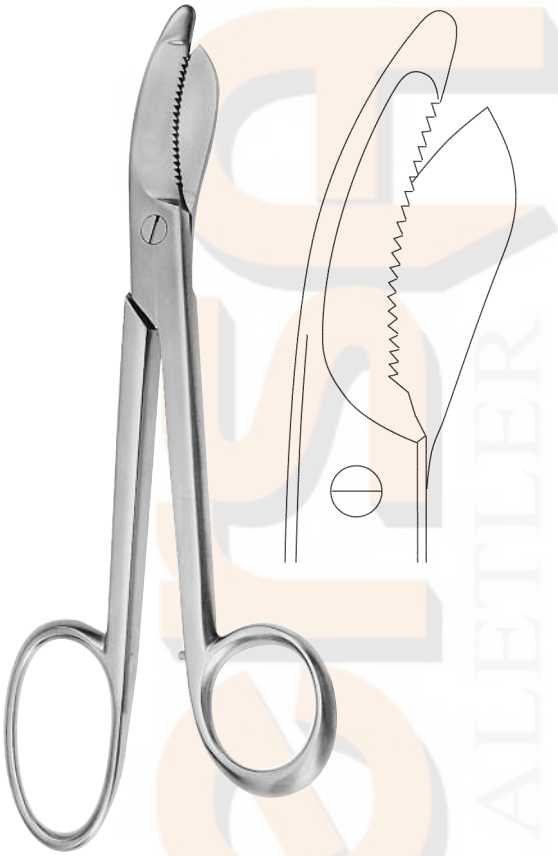


LORENZ
MS 109-2993 23,0 cm / 9"



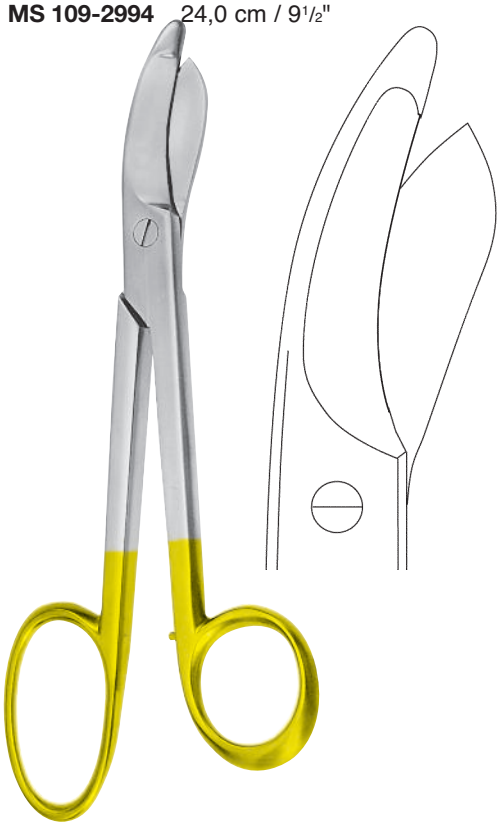
BRUNS

MS 109-2994 24,0 cm / 9½"



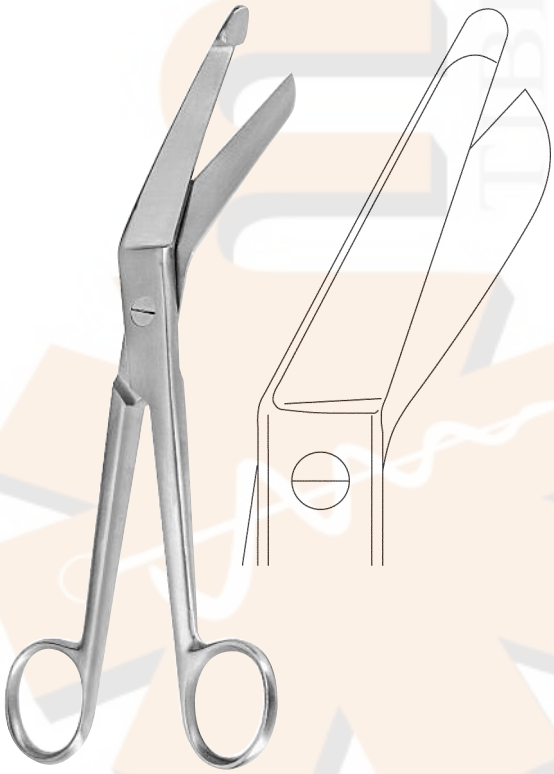
BRUNS

MS 109-2995 24,0 cm / 9½"



BRUNS

MS 109-2996 24,0 cm / 9½"



ESMARCH

MS 109-3000 20,0 cm / 8"

MS 109-3001 22,0 cm / 8¾"



SEUTIN

MS 109-3010 23,0 cm / 9"



MS 109-3011 20,0 cm / 8"



S ILLE

MS 109-3020 24,0 cm / 9½"



STILLE

MS 109-3021 23,0 cm / 9"
MS 109-3022 26,0 cm / 10¼"
MS 109-3023 37,0 cm / 14½"



ENGEL
MS 109-3030 14,0 cm / 5½"



BERGMANN
MS 109-3031 18,0 cm / 7"



HOPKINS
MS 109-3032 20,0 cm / 8"



ESMARCH
MS 109-3033 18,0 cm / 7"



REINER
MS 109-3034 18,5 cm / 7¼"



MOD. USA

MS 109-3035 23,0 cm / 9"



HENNIG

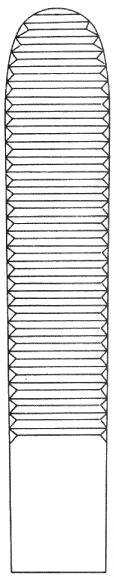
MS 109-3036 28,0 cm / 11"



WOLFF



MS 109-3040
18,0 cm / 7"



MS 109-3041
24,0 cm / 9½"

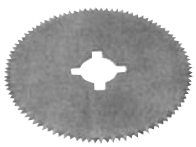


MS 109-3050 110 Volt
MS 109-3051 230 Volt

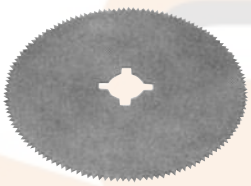
MS 109-3060

komple, 2 anahtar ile (MS 109-3060),
1 testere (MS 109-3062) ve 1 testere (MS 109-3061)

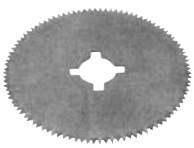
complete, with 2 spanners (MS 109-3060),
1 sawblade (MS 109-3062) and 1 sawblade (MS 109-3061).



MS 109-3061 Ø 50 mm

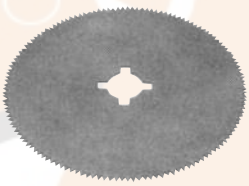


MS 109-3062 Ø 65 mm



Özel sertlik
Special hardness

MS 109-3063 Ø 50 mm



Özel sertlik
Special hardness

MS 109-3064 Ø 65 mm

mersa
TIBBİ ALETLER

110



DERMATOLOJİ
DERMATOLOGY



VIDAL

MS 110-101 14,0 cm / 5½"



FOX

14,0 cm / 5½"



Fig.1
MS 110-102



Fig.2
MS 110-103



Fig.3
MS 110-104



Fig.4
MS 110-105



WOLFF

14,0 cm / 5½"



Fig.1
MS 110-110



Fig.2
MS 110-111



Fig.3
MS 110-112



Fig.4
MS 110-113



Fig.5
MS 110-114



Fig.6
MS 110-115



KILNER

MS 110-120 15,0 cm / 6"





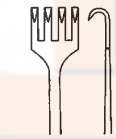
Fig.1
MS 110-121



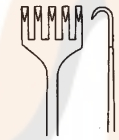
Fig.2
MS 110-122

GILLIES
18,0 cm / 7"





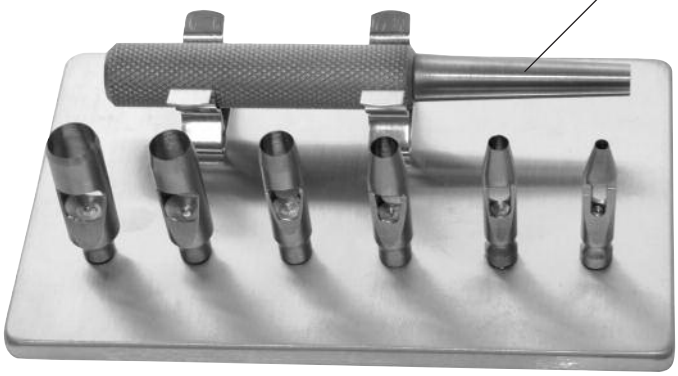
MS 110-130



MS 110-131

KAYE
13,0 cm / 5"

MS 110-136
Sadece sap
Handle only



KEYES
MS 110-135



2 mm
MS 110-137



3 mm
MS 110-138



4 mm
MS 110-139



5 mm
MS 110-140



6 mm
MS 110-141



7 mm
MS 110-142



KEYES
12,0 cm / 4¾"



2 mm
MS 110-143



3 mm
MS 110-144



4 mm
MS 110-145



5 mm
MS 110-146



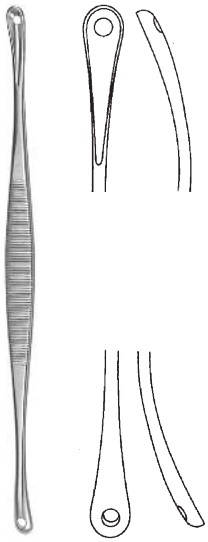
6 mm
MS 110-147



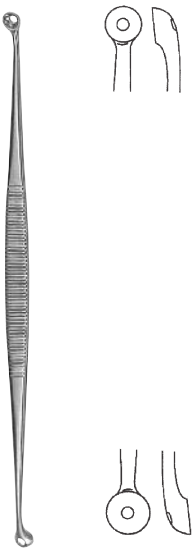
7 mm
MS 110-148



8 mm
MS 110-149



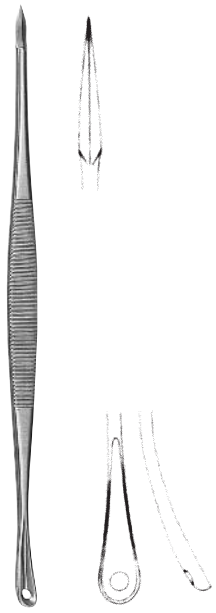
UNNA
MS 110-160 14,0 cm / 5½"



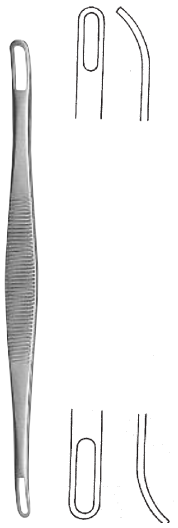
UNNA
MS 110-161 14,0 cm / 5½"



SAALFELD
MS 110-162 10,0 cm / 4"



SAALFELD
MS 110-163 14,0 cm / 5½"



SCHAMBERG
MS 110-170 10,0 cm / 4"



KATSCH
MS 110-171 14,0 cm / 5½"



UNNA-VIDAL
MS 110-172 11,5 cm / 4½"



MS 110-181 11,0 cm / 4 1/3"

sadece törpü
file only

MS 110-182 50,0 cm / 19 1/2"

sadece zincir
chain only

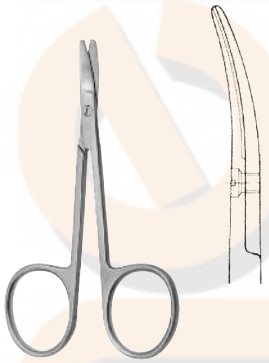
MS 110-180

Komple, Complette



MS 110-190 10,0 cm / 4"

MS 110-191 9,0 cm / 3 1/2"
MS 110-192 10,0 cm / 4"



MS 110-193 8,5 cm / 3 1/2"





MS 110-194
9,5 cm / 3 3/4"



MS 110-195
9,5 cm / 3 3/4"



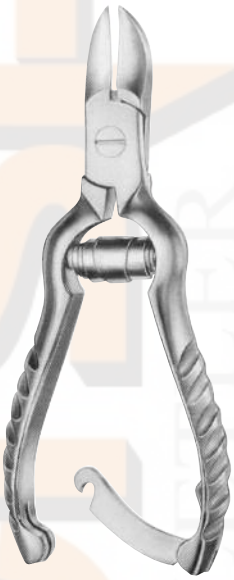
MS 110-196
10,5 cm / 4 1/4"



MS 110-210 14,0 cm / 5½"



MS 110-211 14,0 cm / 5½"



TURNBULL

MS 110-212 11,0 cm / 4⅜"
MS 110-213 13,0 cm / 5"



MS 110-214 13,0 cm / 5"



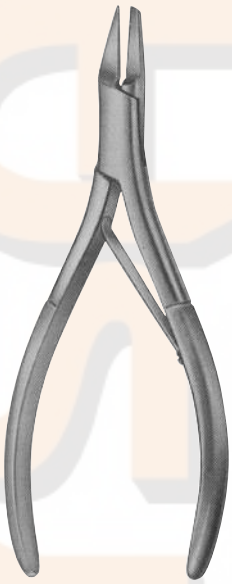
MS 110-215 12,0 cm / 4¾"



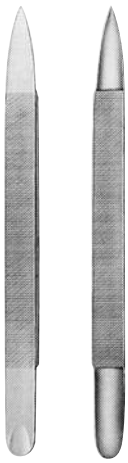
MS 110-216 11,0 cm / 4½"
MS 110-217 13,0 cm / 5"
MS 110-218 15,0 cm / 6"



MS 110-219 11,0 cm / 4½"



MS 110-220 13,5 cm / 5¼"



MS 110-230 12,0 cm / 4¾"



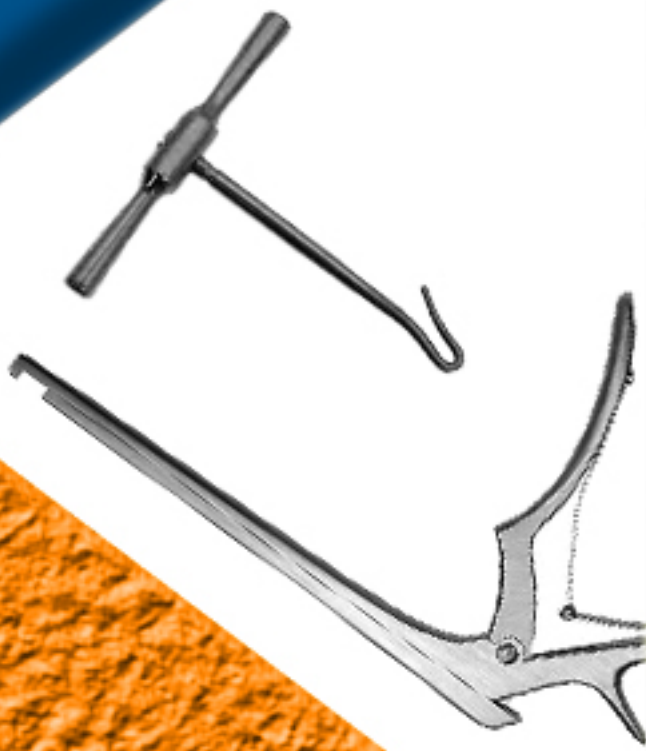
MS 110-231 11,0 cm / 4½"



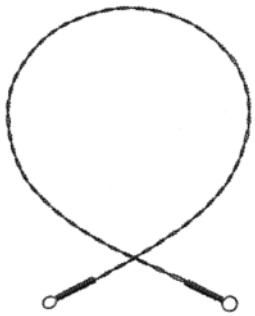
MS 110-232 16,0 cm / 6¼"

mersa
TIBBİ ALETLER

111



BEYİN CERRAHİ
NEUROSURGERY

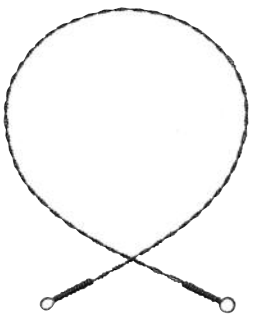




2 tel bükülü
2 wires twisted

OLIVECRONA

MS 111-101	30,0 cm / 12"
MS 111-102	40,0 cm / 16"
MS 111-103	50,0 cm / 20"
MS 111-104	60,0 cm / 24"
MS 111-105	70,0 cm / 28"





6 tel bükülü
6 wires twisted

GIGLI

MS 111-110	30,0 cm / 12"
MS 111-111	40,0 cm / 16"
MS 111-112	50,0 cm / 20"



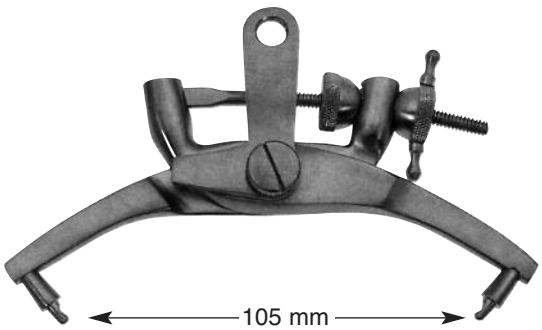
GIGLI

MS 111-120	7,0 cm / 2¼"



DE MARTEL

MS 111-125	33,0 cm / 13"



CRUTCHFIELD
MS 111-130



CRUTCHFIELD
MS 111-131



MS 111-141
Yedek pin
Spare pin

MS 111-140



CRUTHFIELD
MS 111-135 Ø 3,5 mm



CRUTHFIELD
MS 111-136 Ø 5,0 mm



DAHLGREN

MS 111-150 20,0 cm / 8"



MS 111-151



DE VILBISS

MS 111-152 21,0 cm / 8¼"



Fig. 4

MS 111-153



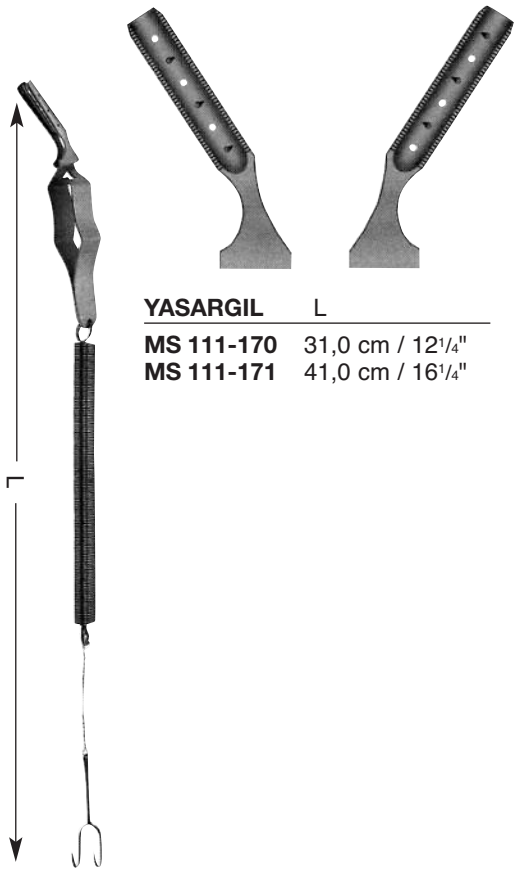
Fig. 5

MS 111-154



CONE

MS 111-155 22,5 cm / 9"



YASARGIL	L
MS 111-170	31,0 cm / 12¼"
MS 111-171	41,0 cm / 16¼"



RANEY	
MS 111-160	16,0 cm / 6¼"



LEYLA
MS 111-180

Komple Set (1 Kol):
1 Flexible kol (MS 111-182)
1 Kol için 1 sabitleme tabanı (MS 111-183)
Yassı Spatula için 1 destek (MS 111-187)

Complete:
1 Flexible arm (MS 111-182)
1 Fixation base for 1 arm (MS 111-183)
1 Support for flat brain spatulas (MS 111-187)

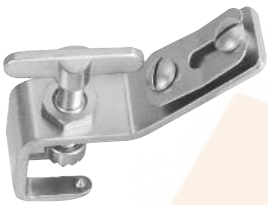
LEYLA
MS 111-181

Komple Set (2 Kol):
2 Flexible kol (MS 111-182)
2 Kol için 1 sabitleme tabanı (MS 111-184)
Yassı Spatula için 2 destek (MS 111-187)

Complete:
2 Flexible arms (MS 111-182)
1 Fixation base for 2 arms (MS 111-184)
2 Supports for flat brain spatulas (MS 111-187)



LEYLA
MS 111-182



LEYLA
MS 111-183



LEYLA
MS 111-184



LEYLA
MS 111-185



LEYLA
MS 111-186

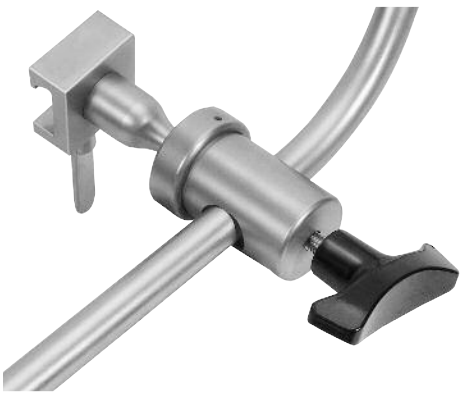


LEYLA
MS 111-187



LEYLA
MS 111-188
Komple Set (1 Flxible kol), Complete

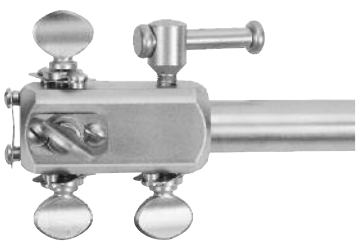
LEYLA
MS 111-189
Komple Set (2 Flxible kol), Complete



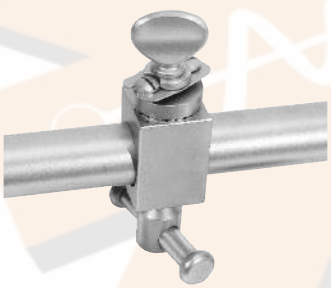
LEYLA
MS 111-190



LEYLA
MS 111-191



LEYLA
MS 111-192



LEYLA
MS 111-193



HEIFETZ

MS 111-200	8 x 200 mm
MS 111-201	11 x 200 mm
MS 111-202	14 x 200 mm
MS 111-203	17 x 200 mm
MS 111-204	20 x 200 mm



HEIFETZ

MS 111-220	8 x 155mm
MS 111-221	11 x 155 mm
MS 111-222	14 x 155 mm
MS 111-223	17 x 155 mm



esnek
malleable

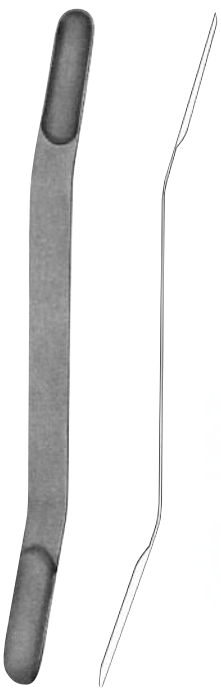
DAVIS

MS 111-230	13 x 190 mm
MS 111-231	16 x 190 mm



yumuşak / tırtıklı
malleable / serrated

MS 111-240	9 x 200 mm
MS 111-241	12 x 200 mm



OLIVECRONA

MS 111-250	7+ 9 mm x 180 mm
MS 111-251	11+13 mm x 180 mm
MS 111-252	15+18 mm x 180 mm
MS 111-253	19+21 mm x 180 mm



OLIVECRONA

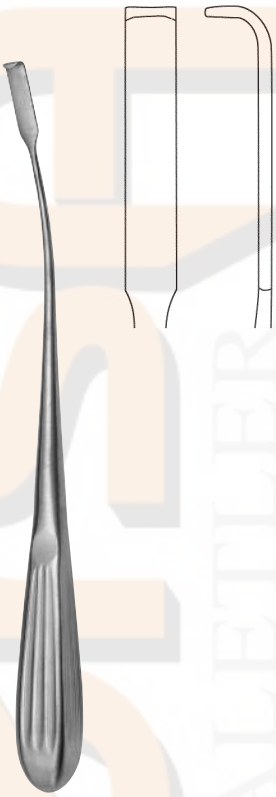
MS 111-260	7+ 9 mm x 180 mm
MS 111-261	11+13 mm x 180 mm
MS 111-262	15+18 mm x 180 mm
MS 111-263	19+21 mm x 180 mm



SCOVILLE
MS 111-270 23,0 cm / 9"



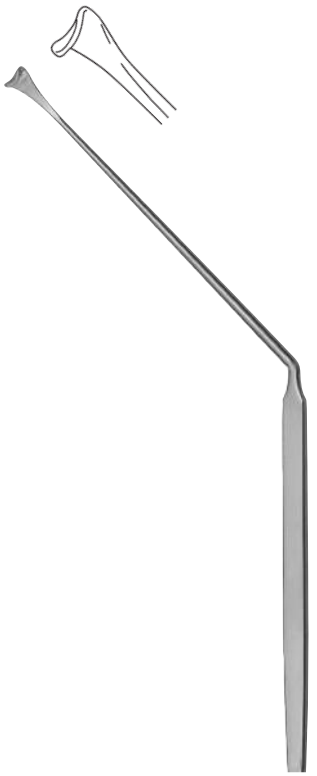
SCOVILLE
MS 111-271 20,0 cm / 8"



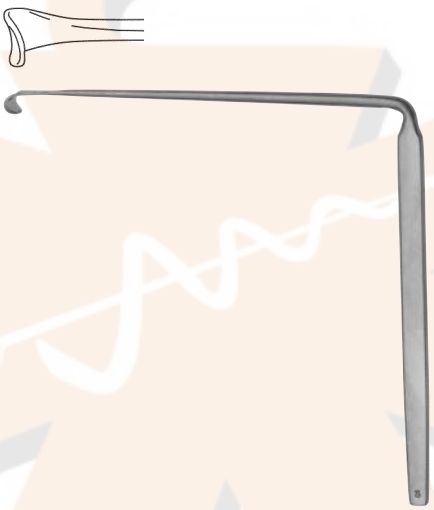
HOLSHER
MS 111-272 24,0 cm / 9½"



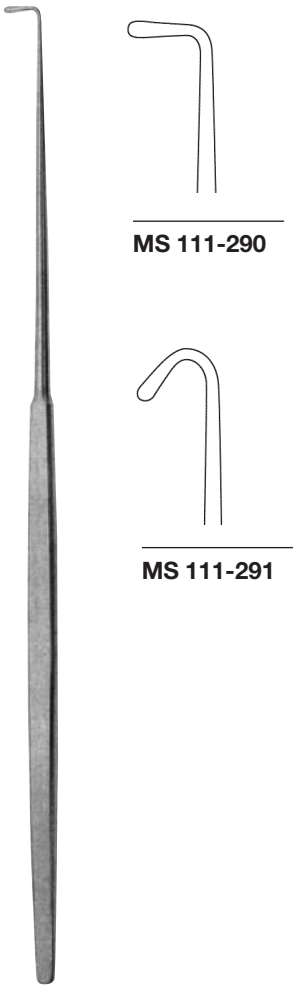
LOVE
MS 111-273 19,0 cm / 7½"



LOVE
MS 111-274 18,0 cm / 7"



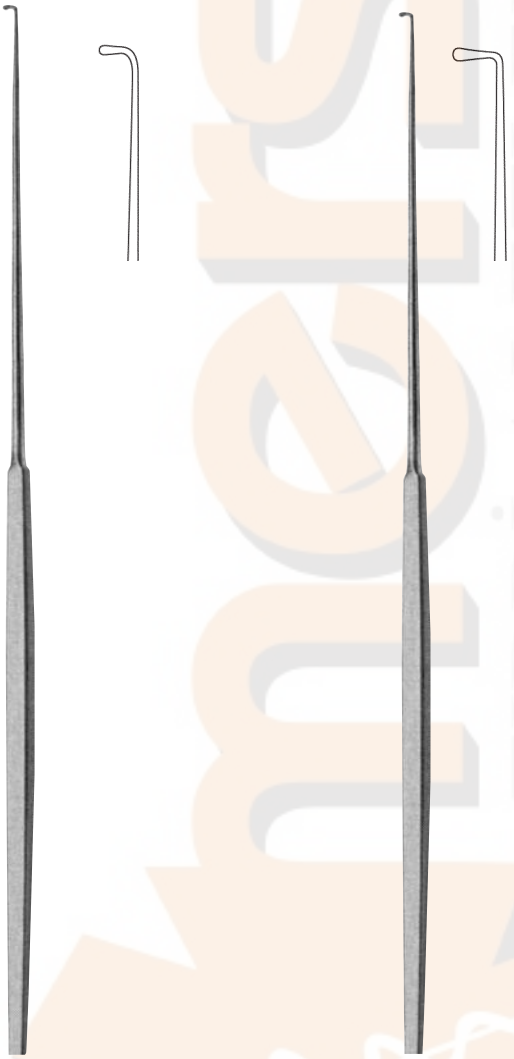
LOVE
MS 111-275 14,0 cm / 5½"



MS 111-290

MS 111-291

GRONINGEN
26,0 cm / 10¼"



CUSHING

MS 111-300	19,0 cm / 7½"
MS 111-301	28,0 cm / 11"

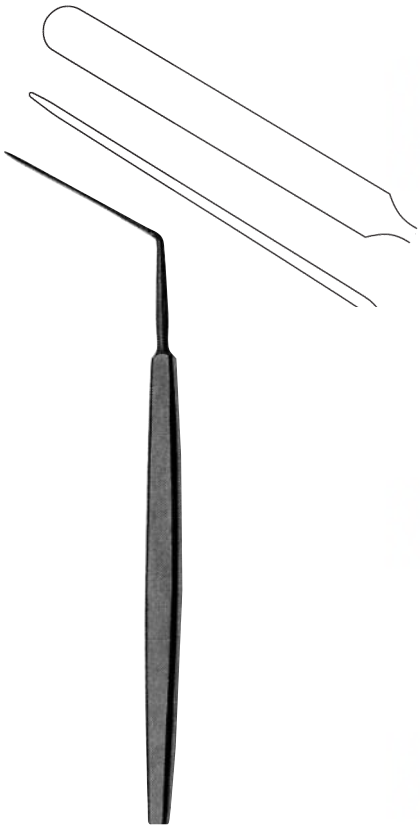
CUSHING

MS 111-305	19,0 cm / 7½"
MS 111-306	28,0 cm / 11"



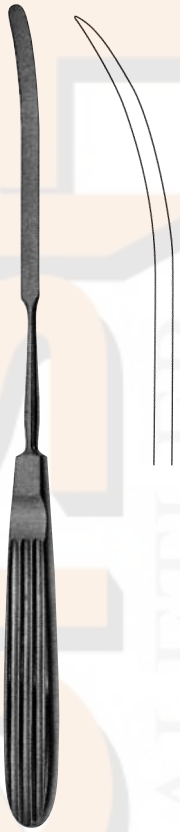
DANDY

MS 111-320 20,0 cm / 8½"



HORSLEY

MS 111-321 20,0 cm / 7¼"



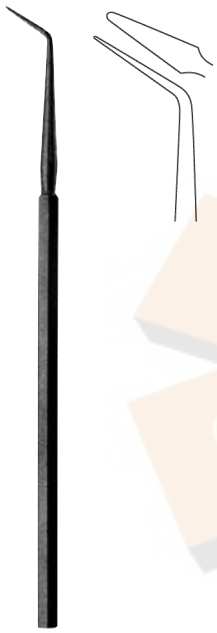
SACHS

MS 111-322 21,0 cm / 9"



SACHS

MS 111-323 21,0 cm / 8"



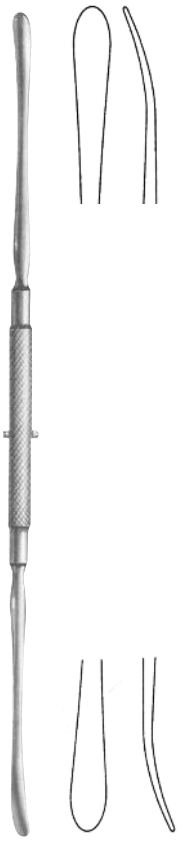
FRAZIER

MS 111-324 16,5 cm / 6½"

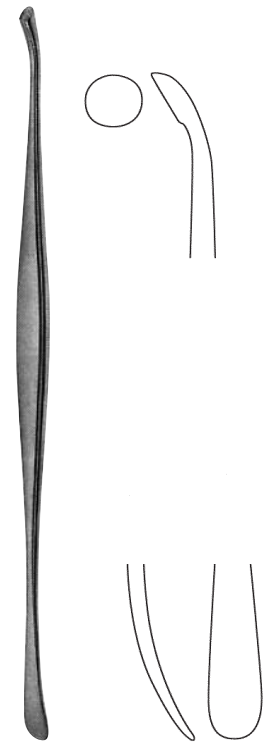


MILLIGAN

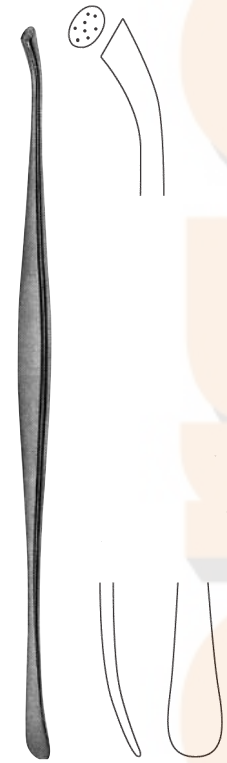
MS 111-325 21,0 cm / 8¼"



DAVIS
MS 111-326 24,5 cm / 9⅔"



PENFIELD
MS 111-327 17,5 cm / 7"



PENFIELD
MS 111-328 19,5 cm / 7¾"



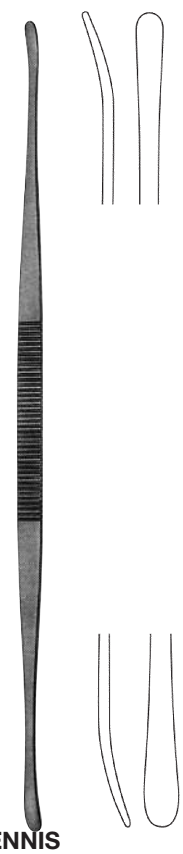
PENFIELD
MS 111-329 19,5 cm / 7¾"



PENFIELD
MS 111-330 21,5 cm / 8½"



PENFIELD
MS 111-331 29,0 cm / 11½"



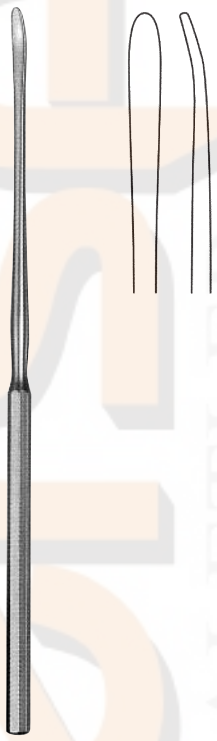
TOENNIS

MS 111-332 24,0 cm / 9½"



TOENNIS

MS 111-333 24,0 cm / 9½"



DAVIS

MS 111-334 19,0 cm / 7½"



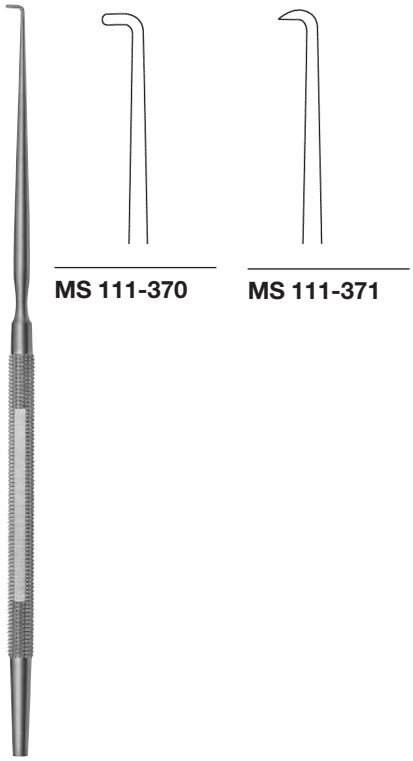
OLIVECRONA

MS 111-350 18,0 cm / 7"
MS 111-351 24,0 cm / 9½"

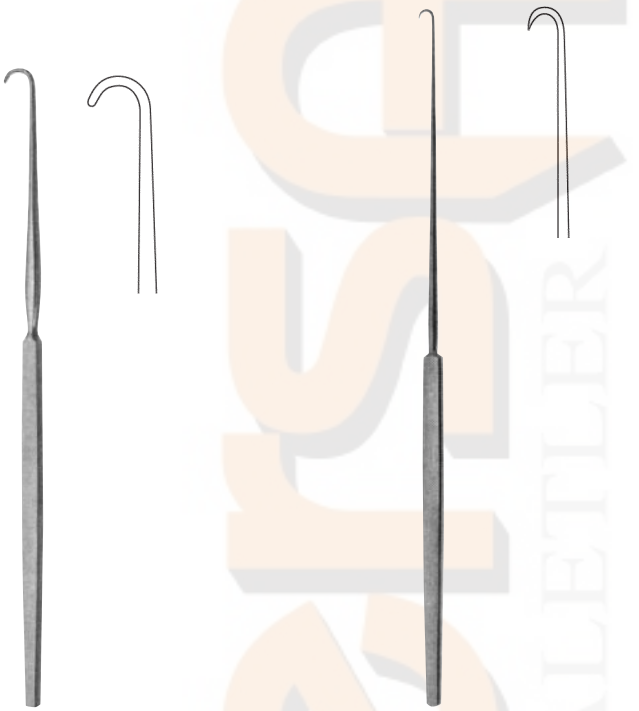


OLIVECRONA

MS 111-355 19,5 cm / 7¾"
MS 111-356 24,0 cm / 9½"



ADSON
20,0 cm /8"



GRAHAM
MS 111-375 16,5 cm / 6¾"

SACHS
MS 111-376 18,5 cm / 7¼"



FRAZIER
MS 111-380 13,0 cm / 5"
MS 111-381 18,0 cm / 7"



FRAZIER
MS 111-385 13,0 cm / 5"



CUSHING
MS 111-390 14,0 cm / 5½"



TOENNIS
MS 111-395 13,0 cm / 5⅛"

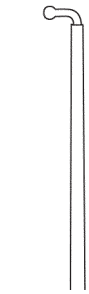


TOENNIS
MS 111-396 19,0 cm / 7½"

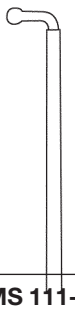


HALLE
MS 111-397 20,0 cm / 8¼"

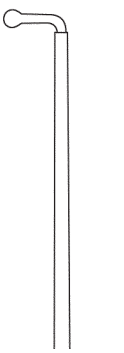




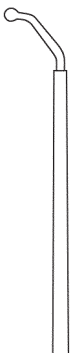
MS 111-410



MS 111-411



MS 111-412



MS 111-413

CASPAR
25,0 cm / 10"





MS 111-420



MS 111-421



MS 111-422



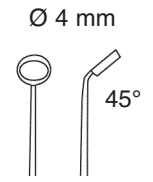
MS 111-423

KRAYENBÜHL
18,5 cm / 7¼"

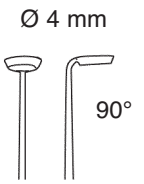


LANDOL -CUSHING

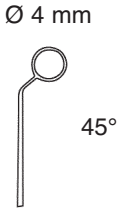
MS 111-430 ø 15 mm x 70 mm
MS 111-431 ø 15 mm x 90 mm"



MS 111-435



MS 111-436



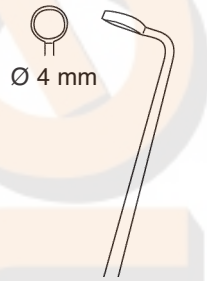
MS 111-437



RAY
19,0 cm / 7½"



HARDY
26,0 cm / 10¼"



MS 111-450



MS 111-451



24,5 cm / 9¾"

künt
blunt



HARDY
MS 111-460

künt
blunt



HARDY
MS 111-461

sivri
sharp

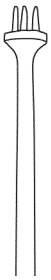


HARDY
MS 111-462

sivri
sharp



HARDY
MS 111-463



HARDY
MS 111-464

sivri
sharp



HARDY-FAHLBUSCH
MS 111-465

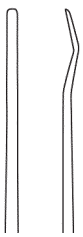
sivri
sharp



HARDY-FAHLBUSCH
MS 111-466



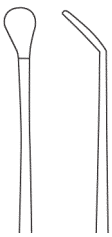
19,0 cm / 7½"



YASARGIL
MS 111-480



YASARGIL
MS 111-481



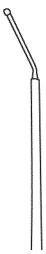
YASARGIL
MS 111-482



YASARGIL
MS 111-483



YASARGIL
MS 111-484



JACOBSON
MS 111-490



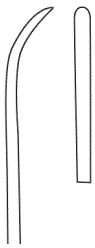
JACOBSON
MS 111-491



YASARGIL
MS 111-492



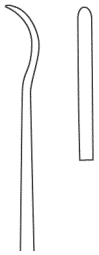
19,0 cm / 7¼"



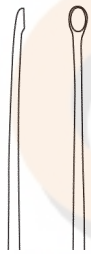
YASARGIL
MS 111-493



YASARGIL
MS 111-494



YASARGIL
MS 111-495



YASARGIL
MS 111-496



KRAUS
MS 111-497



KOOS
MS 111-498



KOOS
MS 111-499



KOOS
MS 111-500



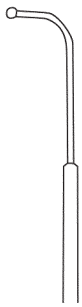
YASARGIL
MS 111-501



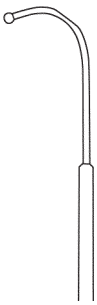
YASARGIL
MS 111-502



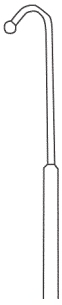
YASARGIL
18,5 cm / 7¼"



MS 111-510



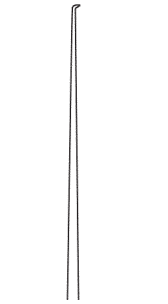
MS 111-511



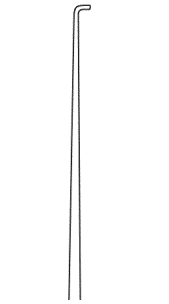
MS 111-512



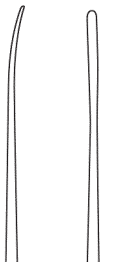
MS 111-513



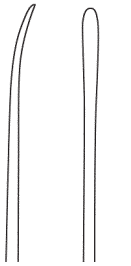
MS 111-520



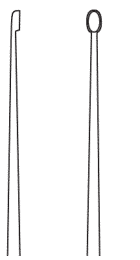
MS 111-521



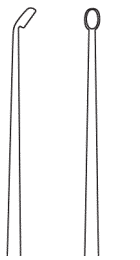
MS 111-522



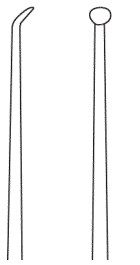
MS 111-523



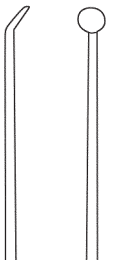
MS 111-524



MS 111-525



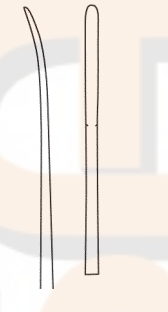
MS 111-526



MS 111-527



23,0 cm / 9"



MS 111-540



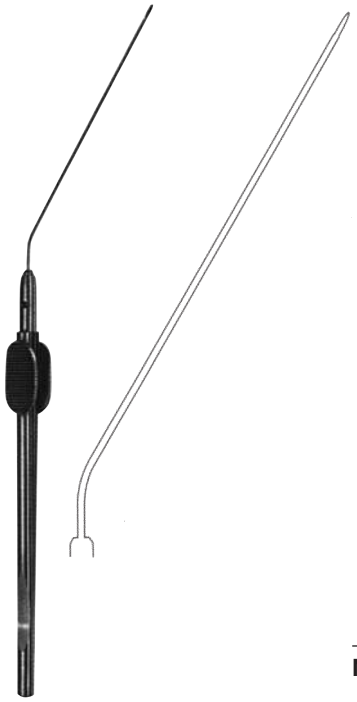
MS 111-541



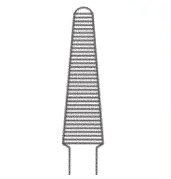


MS 111-542

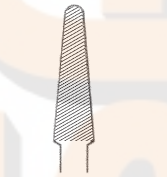
23,0 cm / 9"



19,0 cm / 7½"



MS 111-550



MS 111-551



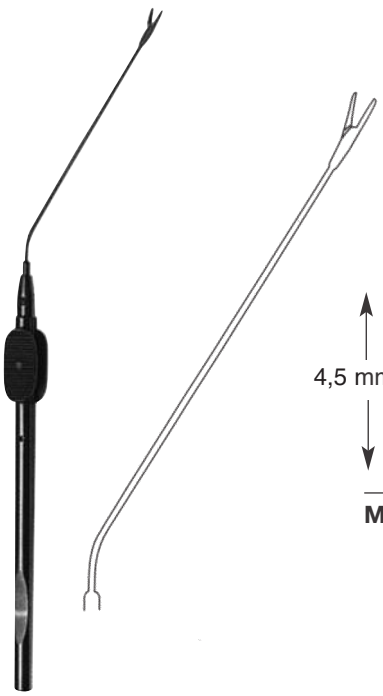
MS 111-552



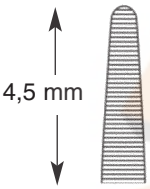
MS 111-553



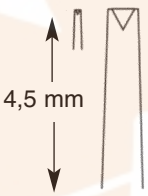
MS 111-554



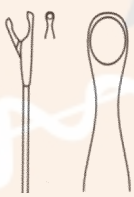
19,0 cm / 7½"



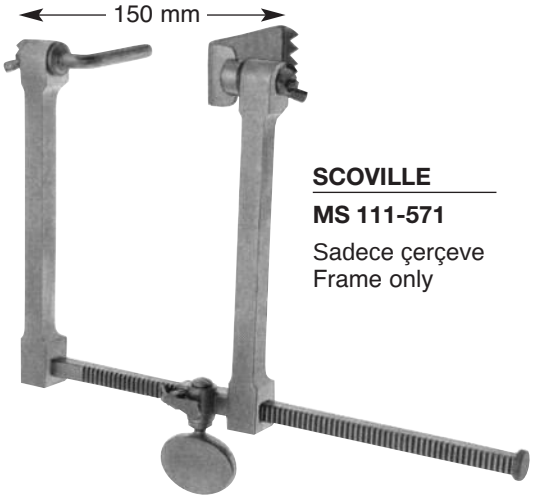
MS 111-560



MS 111-561

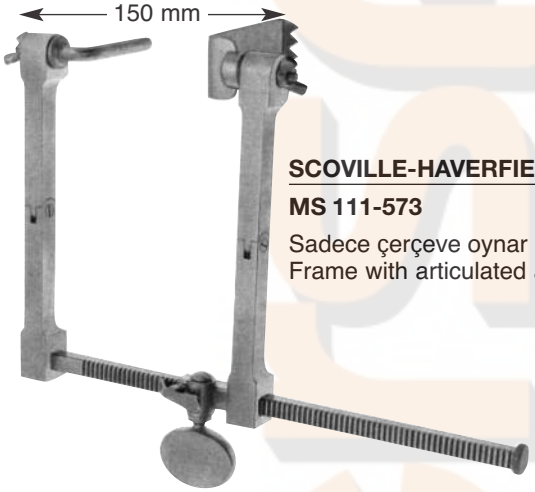


MS 111-562



SCOVILLE
MS 111-571
Sadece çerçeve
Frame only

SCOVILLE
MS 111-570
Komple Set, complete



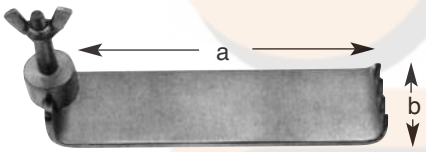
SCOVILLE-HAVERFIELD
MS 111-573
Sadece çerçeve oynar kollar
Frame with articulated arms, only

SCOVILLE-HAVERFIELD
MS 111-572
Komple Set, complete



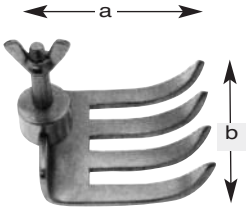
SCOVILLE

MS 111-580	50,0 mm
MS 111-581	75,0 mm



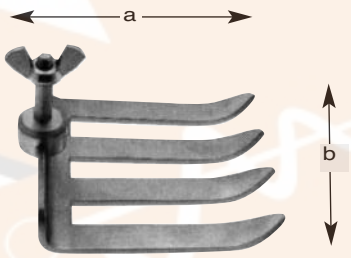
SCOVILLE

MS 111-585	64 x 25 mm (a x b)
MS 111-586	64 x 50 mm (a x b)
MS 111-587	88 x 25 mm (a x b)



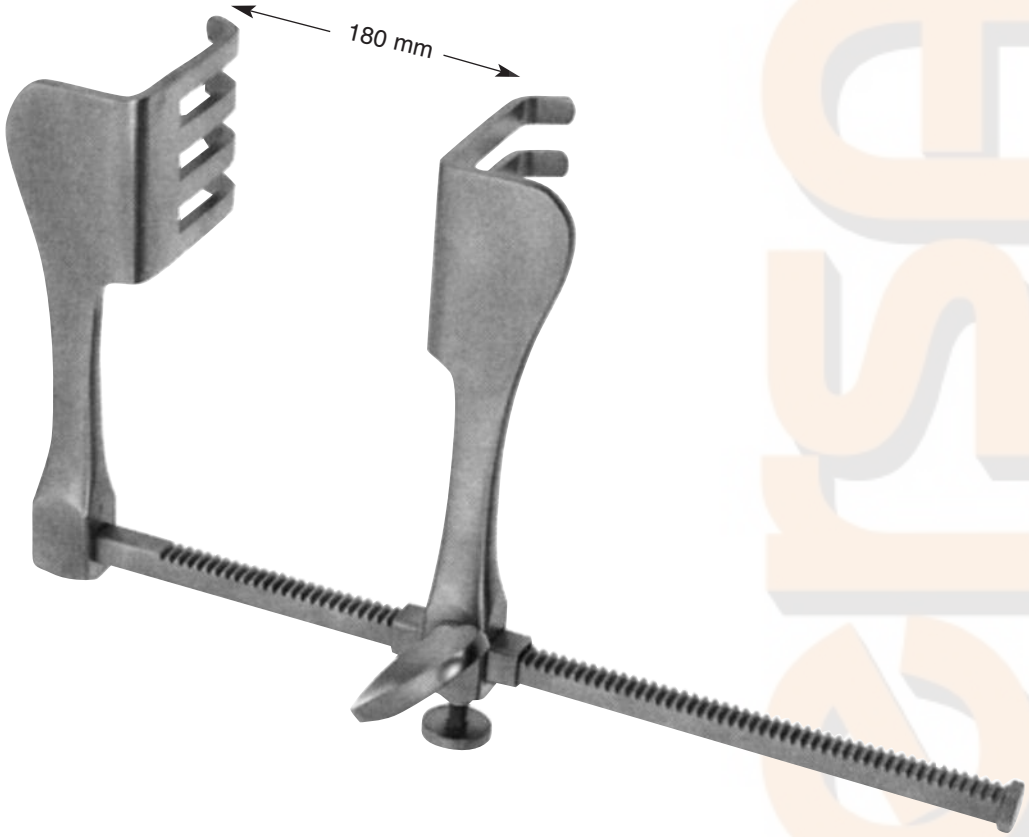
SCOVILLE

MS 111-595	41 x 38 mm (a x b)
MS 111-596	67 x 44 mm (a x b)



TAYLOR

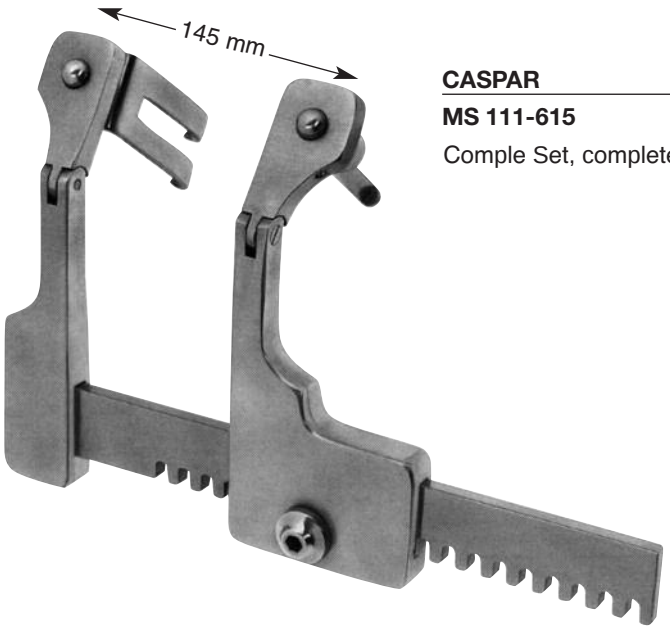
MS 111-600	48 x 50 mm (a x b)
MS 111-601	64 x 64 mm (a x b)
MS 111-602	80 x 57 mm (a x b)



BADGLEY

MS 111-610

Bleydeler 52 x 44 mm (a x b)
Blades 52 x 44 mm (a x b)



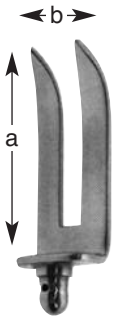
CASPAR

MS 111-615
Comple Set, complete

MS 111-616
Sadece çerçeve
Frame, only



MS 111-618	38,0 mm
MS 111-619	58,0 mm



MS 111-620	32 mm x 22 mm (a x b)
MS 111-621	37 mm x 22 mm (a x b)
MS 111-622	43 mm x 22 mm (a x b)
MS 111-623	47 mm x 22 mm (a x b)
MS 111-624	52 mm x 22 mm (a x b)
MS 111-625	57 mm x 22 mm (a x b)
MS 111-630	62 mm x 22 mm (a x b)
MS 111-631	67 mm x 22 mm (a x b)



MS 111-640	32 mm x 37 mm (a x b)
MS 111-641	37 mm x 37 mm (a x b)
MS 111-642	43 mm x 37 mm (a x b)
MS 111-643	47 mm x 37 mm (a x b)
MS 111-644	52 mm x 37 mm (a x b)
MS 111-645	57 mm x 37 mm (a x b)
MS 111-646	62 mm x 37 mm (a x b)
MS 111-647	67 mm x 37 mm (a x b)



MS 111-660	32 mm x 52 mm (a x b)
MS 111-661	37 mm x 52 mm (a x b)
MS 111-662	43 mm x 52 mm (a x b)
MS 111-663	47 mm x 52 mm (a x b)
MS 111-664	52 mm x 52 mm (a x b)
MS 111-665	57 mm x 52 mm (a x b)
MS 111-666	62 mm x 52 mm (a x b)
MS 111-667	67 mm x 52 mm (a x b)

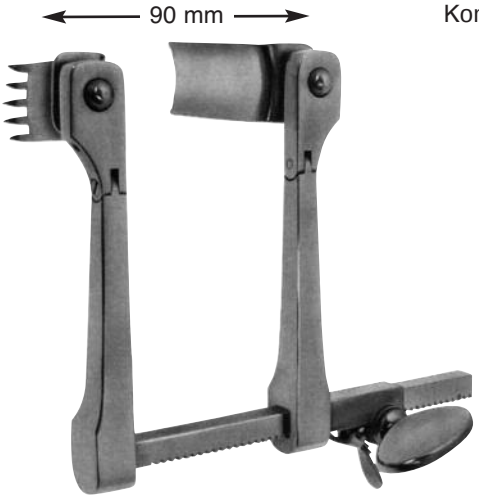


MS 111-670 11,5 cm / 4½"

CASPAR

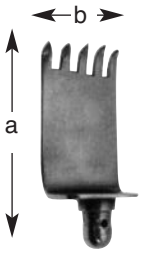
MS 111-680

Komple set, complete



MS 111-681

Sadece çerçeve
Frame, only



MS 111-682
40 x 23 mm (a x b)



MS 111-683
45 x 23 mm (a x b)



MS 111-684
50 x 23 mm (a x b)



MS 111-685
55 x 23 mm (a x b)



MS 111-686
60 x 23 mm (a x b)



MS 111-687
40 x 23 mm (a x b)



MS 111-688
45 x 23 mm (a x b)



MS 111-689
50 x 23 mm (a x b)



MS 111-690
55 x 23 mm (a x b)



MS 111-691
60 x 23 mm (a x b)



CASPAR

MS 111-700 10,5 cm / 4¼"

Komple Set, complete

MS 111-701

Sadece dağıtıcı
Spreader only



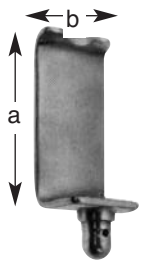
CASPAR

MS 111-710 16,5 cm / 6½"

Komple set, complete

MS 111-711

Sadece dağıtıcı
Spreader only



MS 111-715
45 x 23 mm (a x b)



MS 111-716
50 x 23 mm (a x b)



MS 111-717
55 x 23 mm (a x b)



MS 111-718
60 x 23 mm (a x b)



MS 111-719
65 x 23 mm (a x b)



MS 111-720
50 x 25 mm (a x b)



MS 111-721
60 x 25 mm (a x b)

60 mm



Yüzey siyah-kaplama
Surface black-finish

MS 111-731

Sadece çerçeve
Frame, only

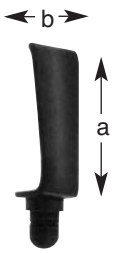
CASPAR

MS 111-730

Komple set, complete

b

a



MS 111-735
35 x 12 mm (a x b)



MS 111-736
40 x 13 mm (a x b)



MS 111-737
45 x 13 mm (a x b)



MS 111-738
50 x 14 mm (a x b)



MS 111-739
55 x 14 mm (a x b)

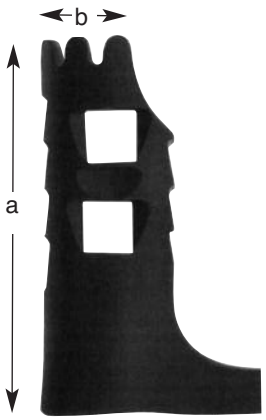


MS 111-740
60 x 15 mm (a x b)



Yüzey siyah-kaplama
Surface black-finish

CASPAR
15,0 cm / 6"



MS 111-750
40 x 18 mm (a x b)



MS 111-751
45 x 18 mm (a x b)



MS 111-752
50 x 18 mm (a x b)



MS 111-753
55 x 18 mm (a x b)



MS 111-754
60 x 18 mm (a x b)

Ağız açıklığı 18 mm
Blade opening 18 mm



CLOWARD

MS 111-760 13,0 cm / 5⅛"

Ağız açıklığı 18 mm
Blade opening 18 mm



CLOWARD

MS 111-761 16,0 cm / 6¼"

Ağız açıklığı 18 mm
Blade opening 18 mm



INGE

MS 111-762 16,0 cm / 6¼"

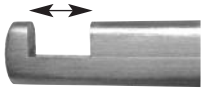


INGE

MS 111-763 27,0 cm / 10½"

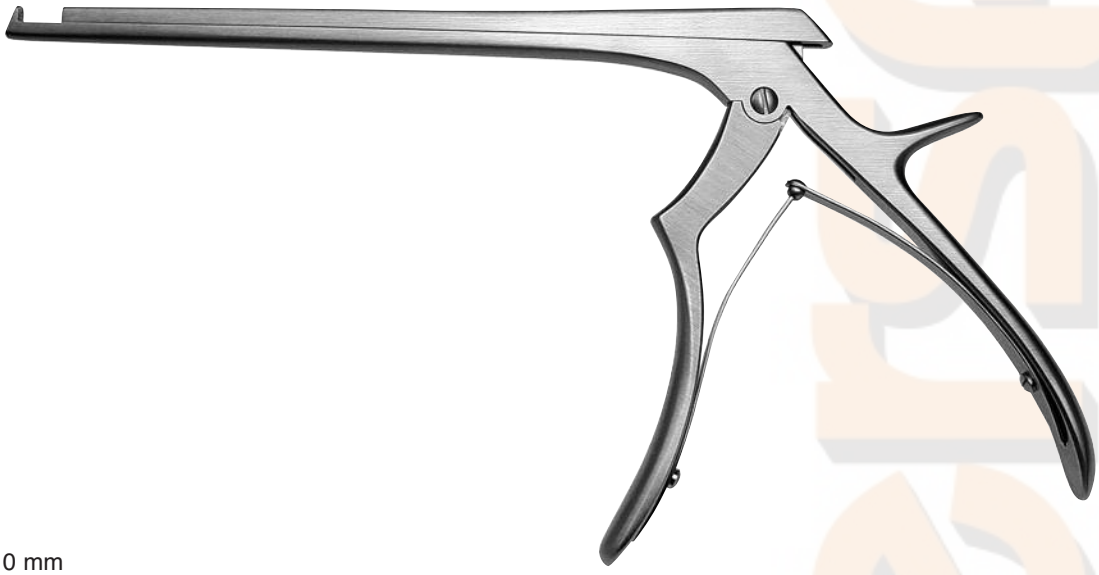


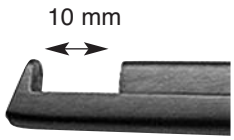
KERRISON



90°

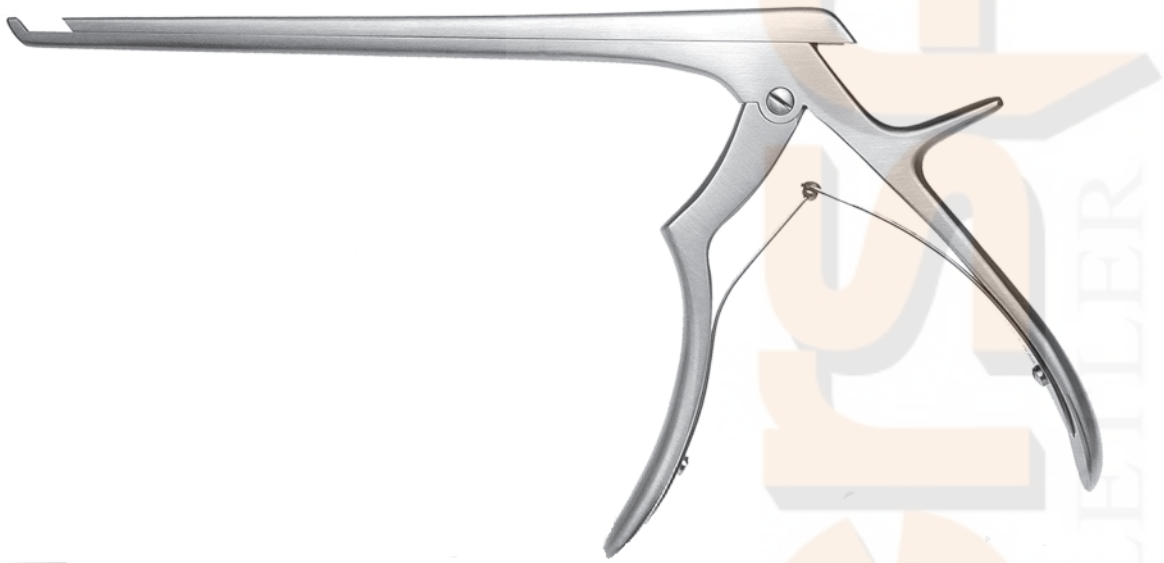
Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite					
	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-780**	**MS 111-781**	**MS 111-782**	**MS 111-783**	**MS 111-784**	**MS 111-785**
200 mm	**MS 111-790**	**MS 111-791**	**MS 111-792**	**MS 111-793**	**MS 111-794**	**MS 111-795**
230 mm	–	**MS 111-800**	**MS 111-801**	**MS 111-802**	**MS 111-803**	–

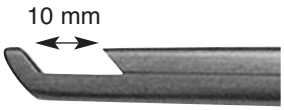




KERRISON

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite				
	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-820**	**MS 111-821**	**MS 111-822**	**MS 111-823**	**MS 111-824**
200 mm	**MS 111-830**	**MS 111-831**	**MS 111-832**	**MS 111-833**	**MS 111-834**
230 mm	**MS 111-840**	**MS 111-841**	**MS 111-842**	**MS 111-843**	–

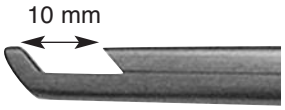




130° (40°)

KERRISON

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite					
	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-860**	**MS 111-861**	**MS 111-862**	**MS 111-863**	**MS 111-864**	**MS 111-865**
200 mm	**MS 111-870**	**MS 111-871**	**MS 111-872**	**MS 111-873**	**MS 111-875**	**MS 111-876**
230 mm	-	**MS 111-880**	**MS 111-881**	**MS 111-882**	**MS 111-883**	-



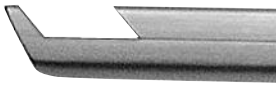
130° (40°)

ejektör ile
with ejector

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite		
	3 mm	4 mm	5 mm
180 mm	**MS 111-900**	**MS 111-901**	**MS 111-902**
200 mm	**MS 111-910**	**MS 111-911**	**MS 111-912**



10 mm

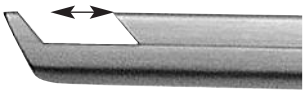


130° (40°)

KERRISON

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite				
	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-930**	**MS 111-931**	**MS 111-932**	**MS 111-933**	**MS 111-934**
200 mm	**MS 111-940**	**MS 111-941**	**MS 111-942**	**MS 111-943**	**MS 111-944**
230 mm	**MS 111-950**	**MS 111-951**	**MS 111-952**	**MS 111-953**	-

10 mm



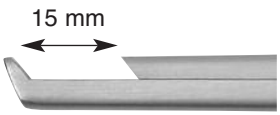
130° (40°)

ejektör ile
with ejector

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite		
	3 mm	4 mm	5 mm
180 mm	**MS 111-970**	**MS 111-971**	**MS 111-972**
200 mm	**MS 111-980**	**MS 111-981**	**MS 111-982**

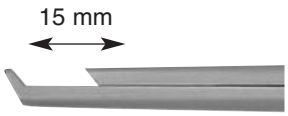


KERRISON



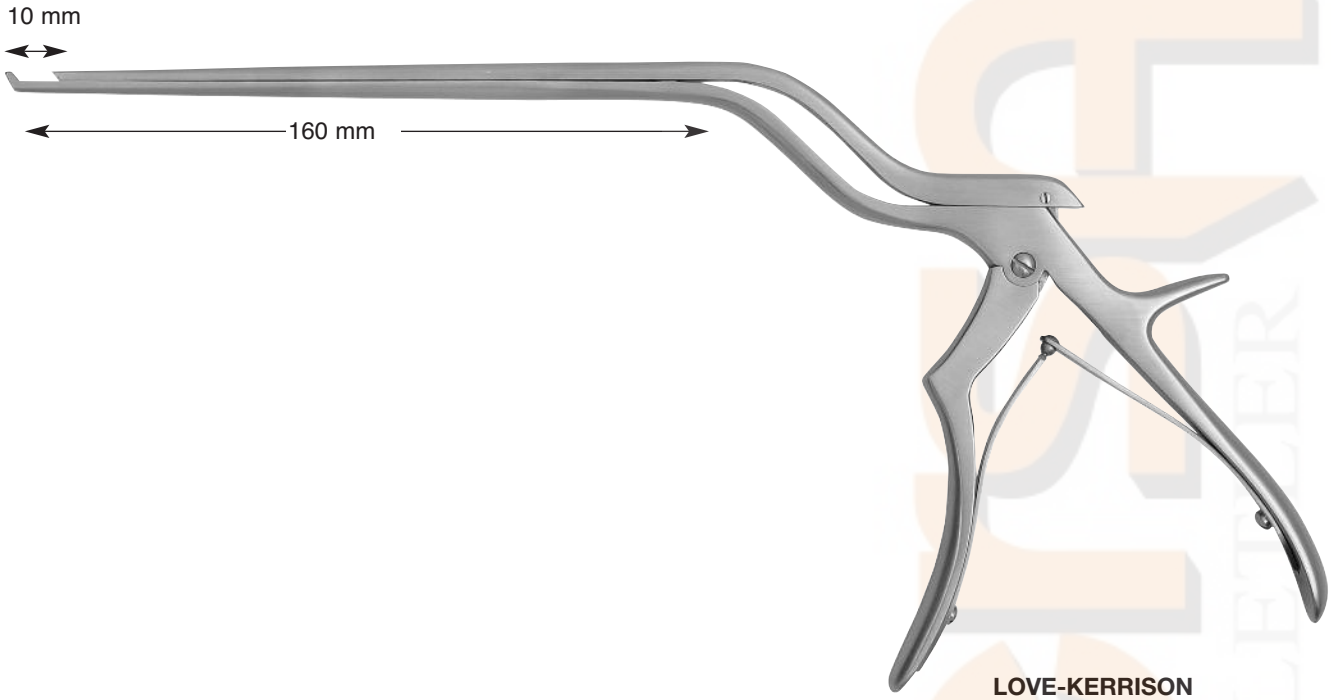
130° (40°)

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	2 mm	3 mm	4 mm	5 mm
180 mm	**MS 111-1000**	**MS 111-1001**	**MS 111-1002**	**MS 111-1003**
200 mm	**MS 111-1010**	**MS 111-1011**	**MS 111-1012**	**MS 111-1013**

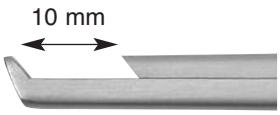


130° (40°) Mikro
Micro

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	2 mm	3 mm	4 mm	5 mm
180 mm	**MS 111-1030**	**MS 111-1031**	**MS 111-1032**	**MS 111-1033**
200 mm	**MS 111-1040**	**MS 111-1041**	**MS 111-1042**	**MS 111-1043**

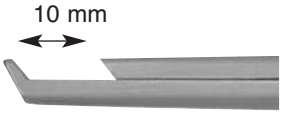


LOVE-KERRISON



130° (40°)

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	2 mm	3 mm	4 mm	5 mm
160 mm	**MS 111-1060**	**MS 111-1061**	**MS 111-1062**	**MS 111-1063**



130° (40°) Mikro
Micro

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	2 mm	3 mm	4 mm	5 mm
160 mm	**MS 111-1080**	**MS 111-1081**	**MS 111-1082**	**MS 111-1083**



KERRISON



90°

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite				
	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1100**	**MS 111-1101**	**MS 111-1102**	**MS 111-1103**	**MS 111-1104**
200 mm	**MS 111-1110**	**MS 111-1111**	**MS 111-1112**	**MS 111-1113**	**MS 111-1114**



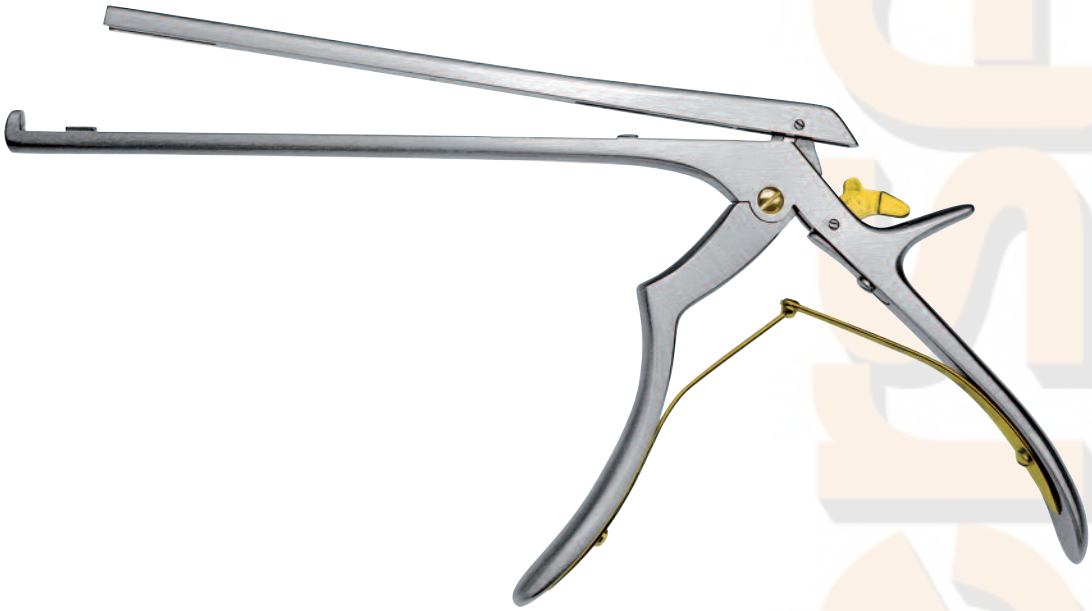
KERRISON



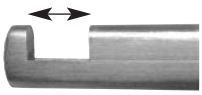
10 mm

130° (40°)

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	2 mm	3 mm	4 mm	5 mm
180 mm	**MS 111-1130**	**MS 111-1131**	**MS 111-1132**	**MS 111-1133**

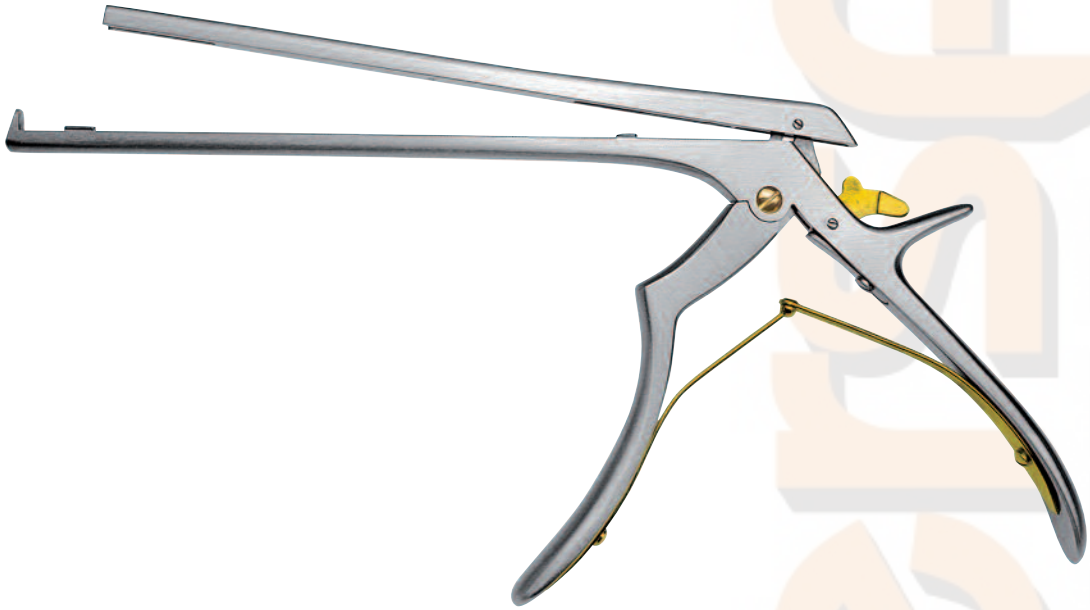


KERRISON

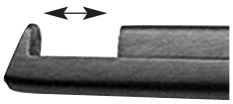


90°

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite					
	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1150**	**MS 111-1151**	**MS 111-1152**	**MS 111-1153**	**MS 111-1154**	**MS 111-1155**
200 mm	**MS 111-1160**	**MS 111-1161**	**MS 111-1162**	**MS 111-1163**	**MS 111-1164**	**MS 111-1165**
230 mm	**MS 111-1170**	**MS 111-1171**	**MS 111-1172**	**MS 111-1173**	**MS 111-1174**	**MS 111-1175**

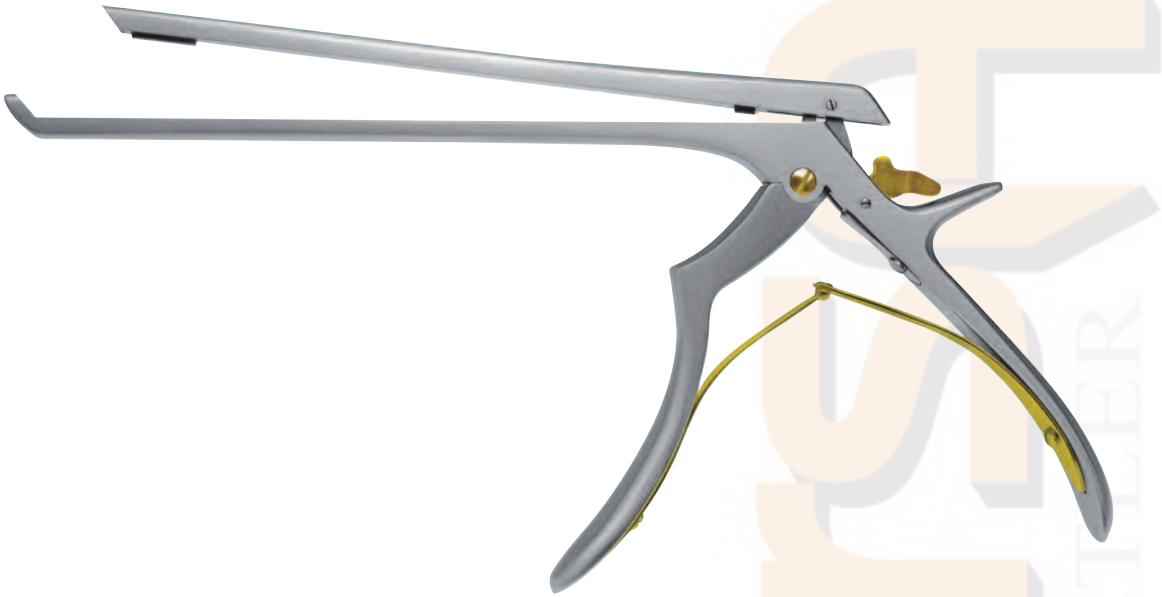


KERRISON



Mikro
Micro

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite				
	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1190**	**MS 111-1191**	**MS 111-1192**	**MS 111-1193**	**MS 111-1194**
200 mm	**MS 111-1200**	**MS 111-1201**	**MS 111-1202**	**MS 111-1203**	**MS 111-1204**
230 mm	**MS 111-1210**	**MS 111-1211**	**MS 111-1212**	**MS 111-1213**	**MS 111-1214**



10 mm



130° (40°)

KERRISON

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite					
	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1230**	**MS 111-1231**	**MS 111-1232**	**MS 111-1233**	**MS 111-1234**	**MS 111-1235**
200 mm	**MS 111-1240**	**MS 111-1241**	**MS 111-1242**	**MS 111-1243**	**MS 111-1244**	**MS 111-1245**
230 mm	**MS 111-1250**	**MS 111-1251**	**MS 111-1252**	**MS 111-1253**	**MS 111-1254**	**MS 111-1255**

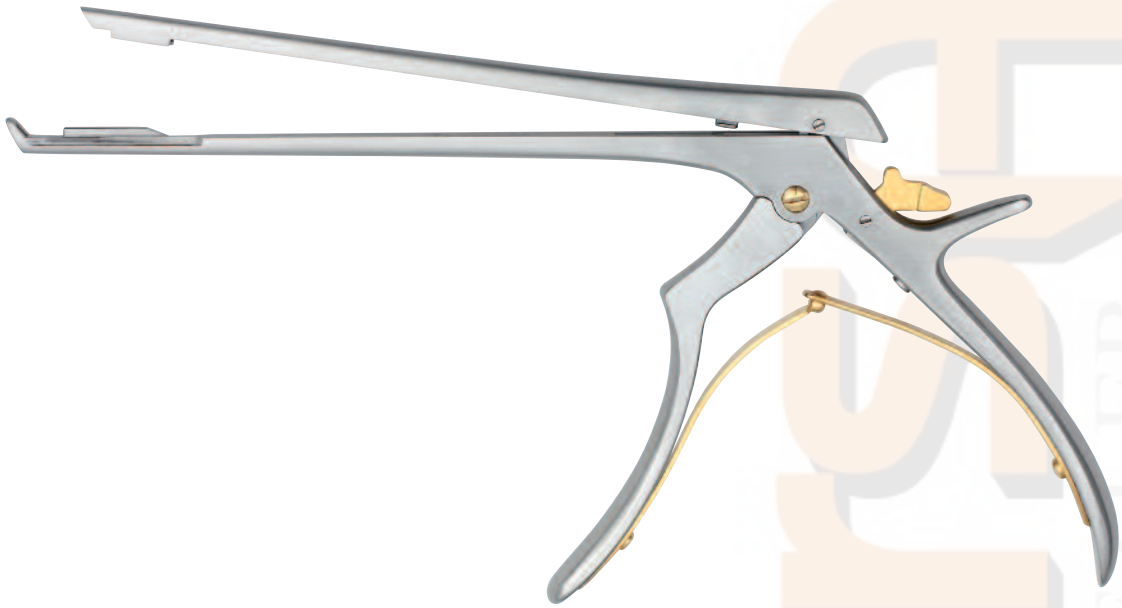
10 mm



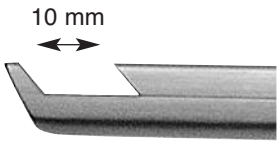
130° (40°)

ejektör ile
with ejector

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1270**	**MS 111-1271**	**MS 111-1272**	**MS 111-1273**
200 mm	**MS 111-1280**	**MS 111-1281**	**MS 111-1282**	**MS 111-1283**
230 mm	**MS 111-1290**	**MS 111-1291**	**MS 111-1292**	**MS 111-1293**

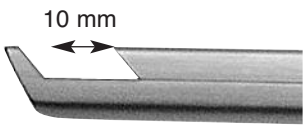


KERRISON



130° (40°) Mikro Micro

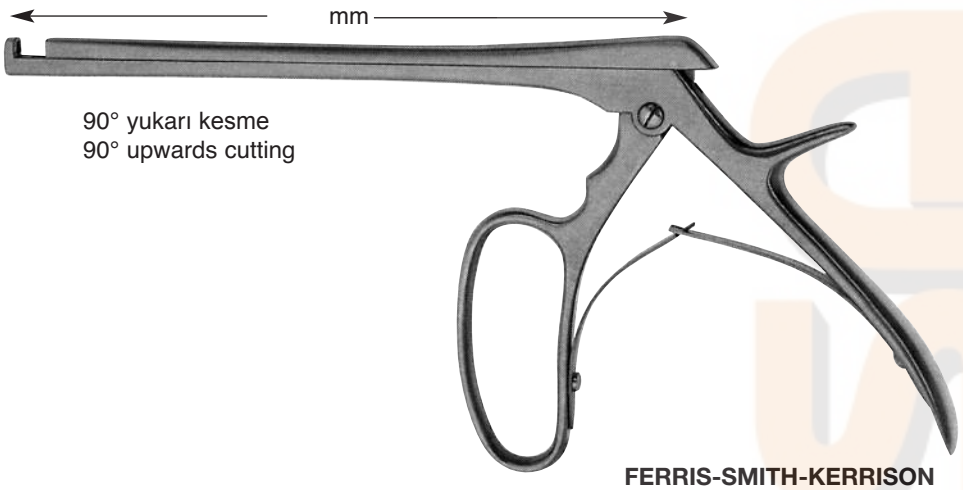
Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite					
	1 mm	2 mm	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1310**	**MS 111-1311**	**MS 111-1312**	**MS 111-1313**	**MS 111-1314**	**MS 111-1315**
200 mm	**MS 111-1320**	**MS 111-1321**	**MS 111-1322**	**MS 111-1323**	**MS 111-1324**	**MS 111-1325**
230 mm	**MS 111-1330**	**MS 111-1331**	**MS 111-1332**	**MS 111-1333**	**MS 111-1334**	**MS 111-1335**



130° (40°) Mikro Micro

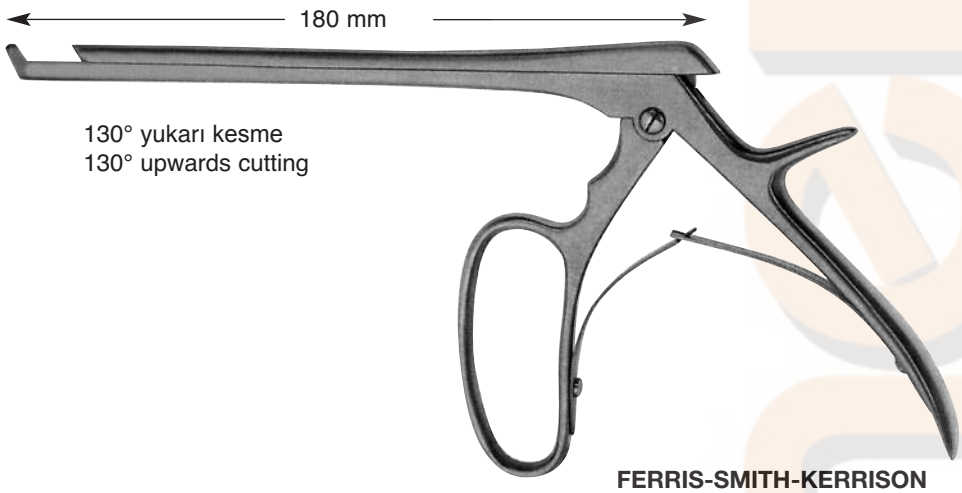
ejektör ile
with ejector

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite			
	3 mm	4 mm	5 mm	6 mm
180 mm	**MS 111-1350**	**MS 111-1351**	**MS 111-1352**	**MS 111-1353**
200 mm	**MS 111-1360**	**MS 111-1361**	**MS 111-1362**	**MS 111-1363**
230 mm	**MS 111-1370**	**MS 111-1371**	**MS 111-1372**	**MS 111-1373**



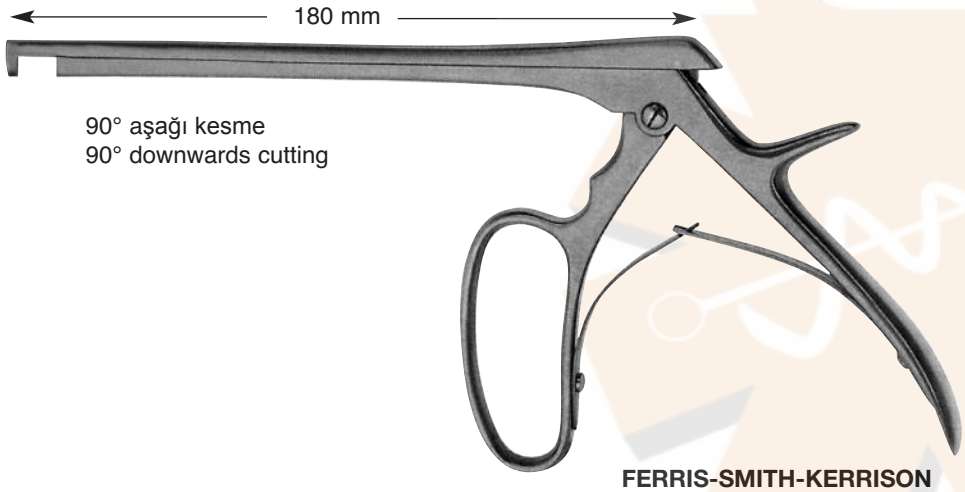
FERRIS-SMITH-KERRISON

MS 111-1390	3,0 mm	
MS 111-1391	5,0 mm	



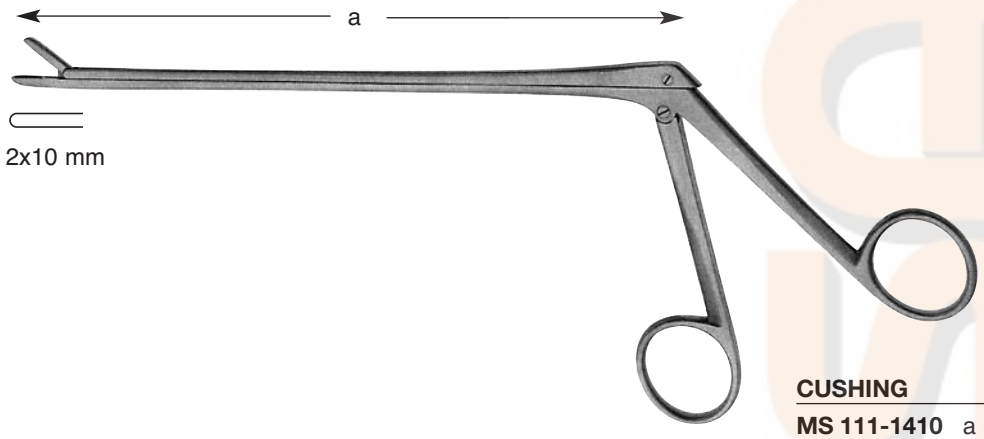
FERRIS-SMITH-KERRISON

a = 180 mm	a = 200 mm	
MS 111-1395	**MS 111-1400**	3,0 mm
MS 111-1396	**MS 111-1401**	5,0 mm



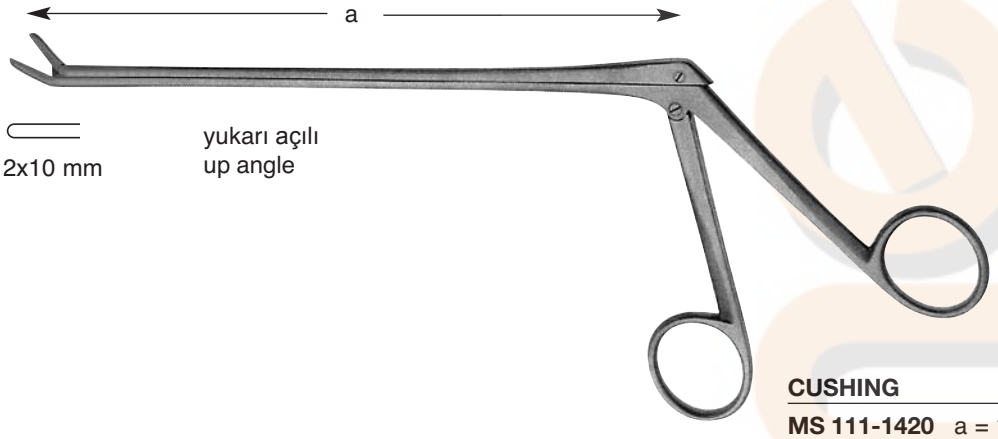
FERRIS-SMITH-KERRISON

MS 111-1405	3,0 mm	
MS 111-1406	5,0 mm	



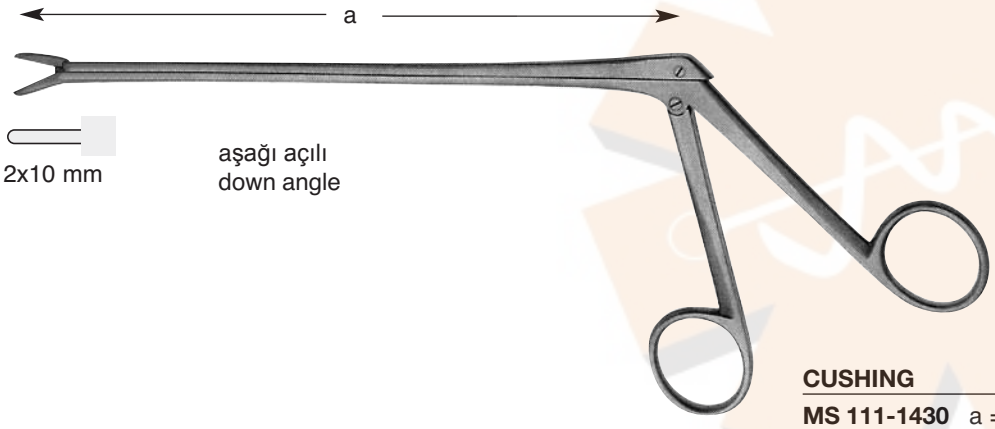
CUSHING

MS 111-1410 a = 130 mm
MS 111-1411 a = 150 mm
MS 111-1412 a = 180 mm



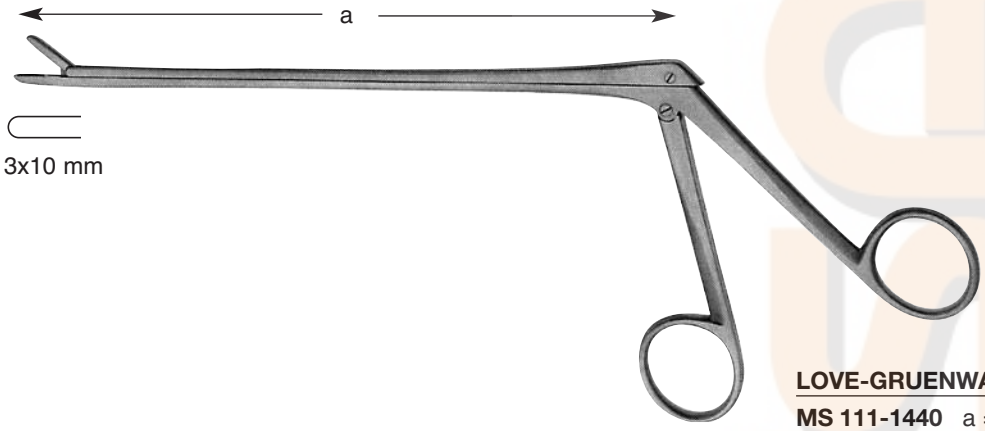
CUSHING

MS 111-1420 a = 130 mm
MS 111-1421 a = 150 mm
MS 111-1422 a = 180 mm



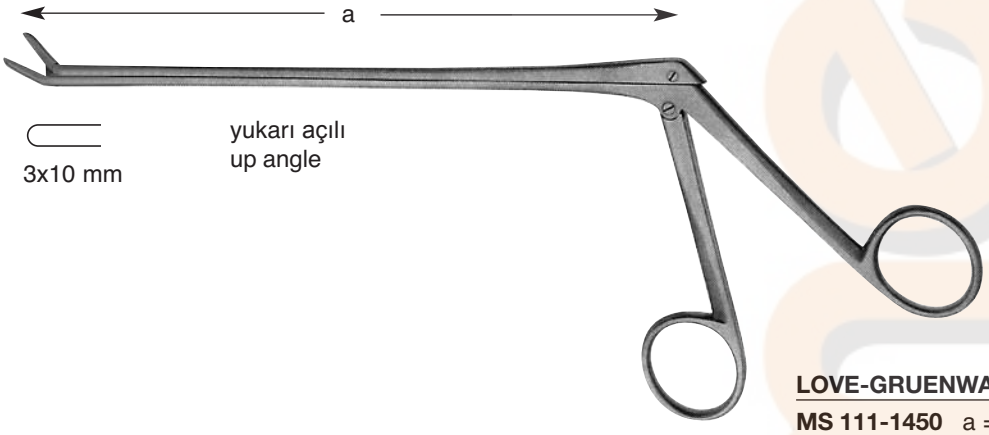
CUSHING

MS 111-1430 a = 130 mm
MS 111-1431 a = 150 mm
MS 111-1432 a = 180 mm



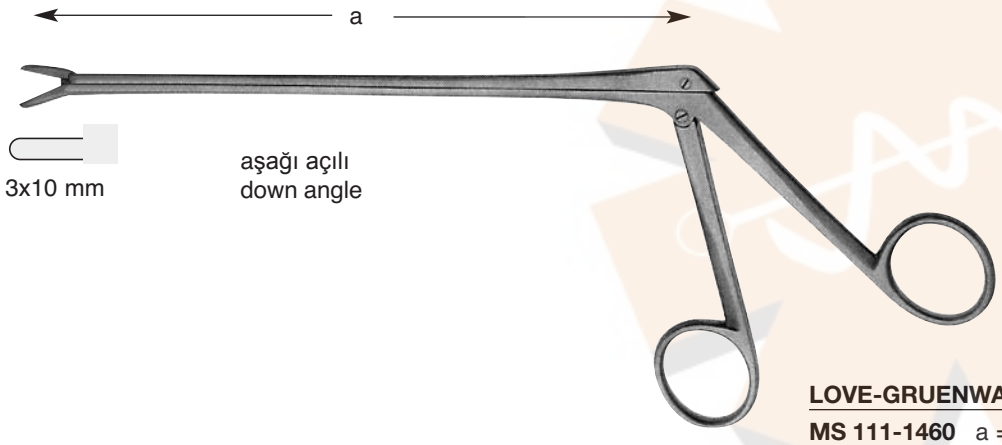
LOVE-GRUENWALD

MS 111-1440 a = 130 mm
MS 111-1441 a = 150 mm
MS 111-1442 a = 180 mm



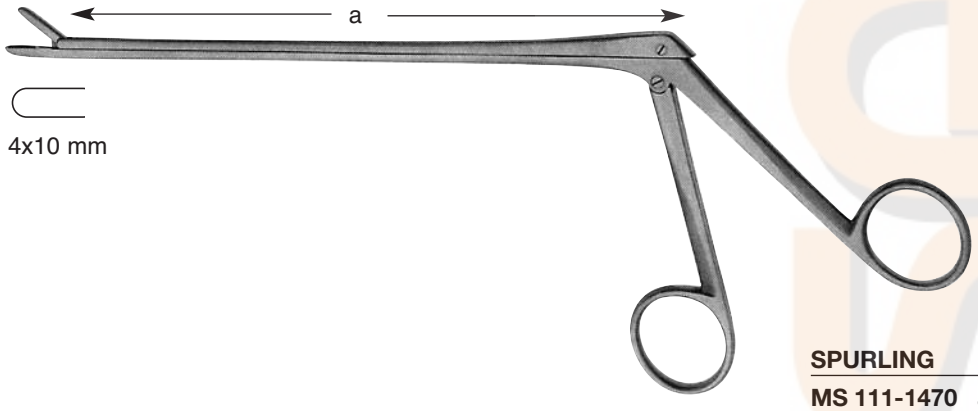
LOVE-GRUENWALD

MS 111-1450 a = 130 mm
MS 111-1451 a = 150 mm
MS 111-1452 a = 180 mm



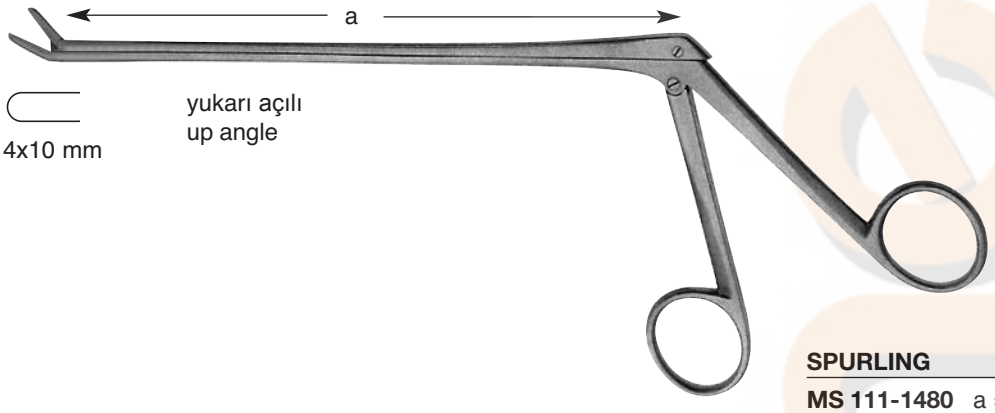
LOVE-GRUENWALD

MS 111-1460 a = 130 mm
MS 111-1461 a = 150 mm
MS 111-1462 a = 180 mm



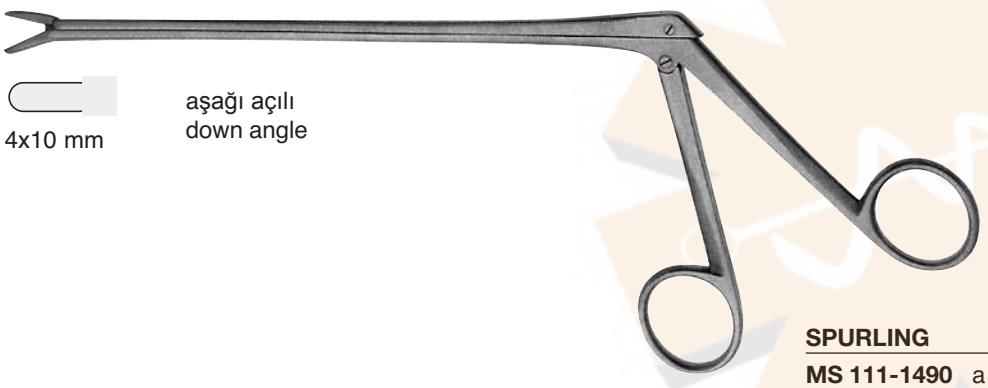
SPURLING

MS 111-1470 a = 130 mm
MS 111-1471 a = 150 mm
MS 111-1472 a = 180 mm



SPURLING

MS 111-1480 a = 130 mm
MS 111-1481 a = 150 mm
MS 111-1482 a = 180 mm

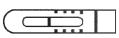
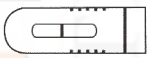


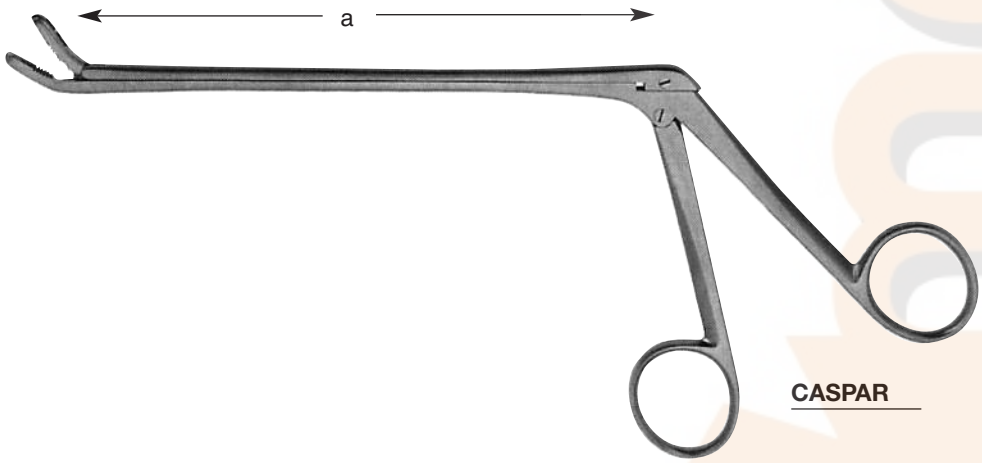
SPURLING

MS 111-1490 a = 130 mm
MS 111-1491 a = 150 mm
MS 111-1492 a = 180 mm



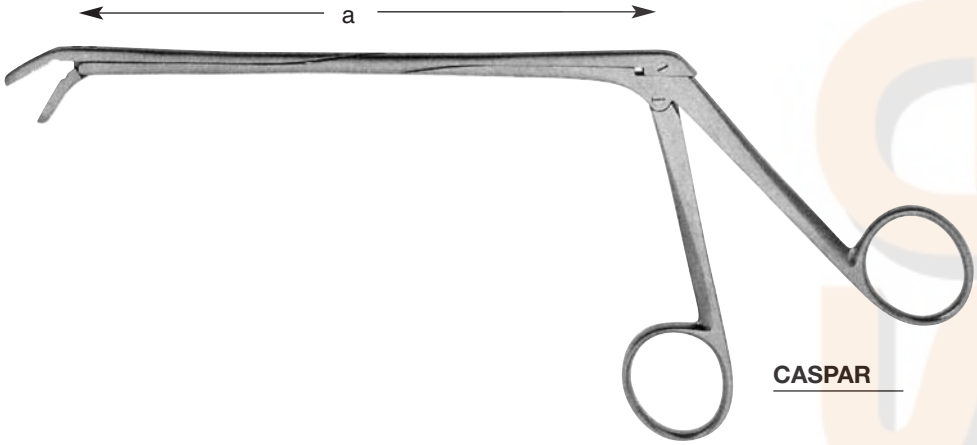
CASPAR

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite				
					
	2,0 x 12,0 mm	3,0 x 12,0 mm	4,0 x 14,0 mm	5,0 x 14,0 mm	6,0 x 16,0 mm
a = 140 mm	**MS 111-1500**	**MS 111-1510**	**MS 111-1520**	**MS 111-1530**	**MS 111-1540**
a = 160 mm	**MS 111-1501**	**MS 111-1511**	**MS 111-1521**	**MS 111-1531**	**MS 111-1541**
a = 185 mm	**MS 111-1502**	**MS 111-1512**	**MS 111-1522**	**MS 111-1532**	**MS 111-1542**



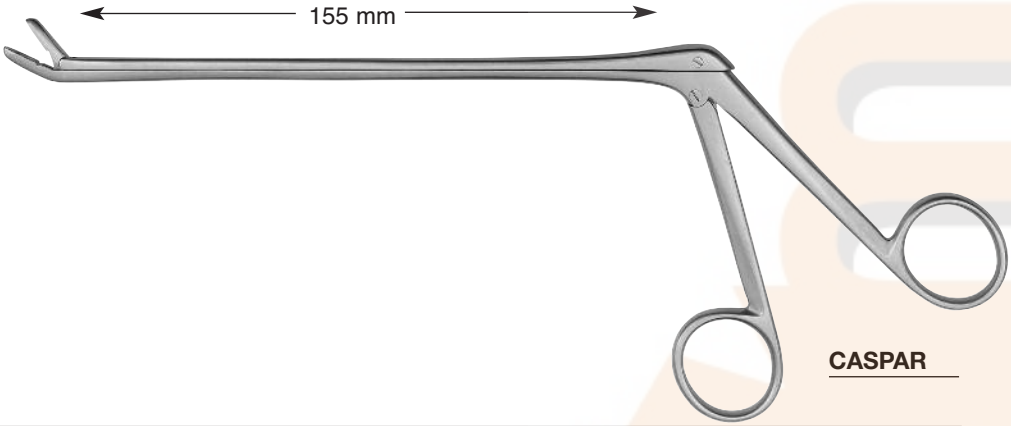
CASPAR

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite		
			
	3,0 x 12,0 mm	4,0 x 14,0 mm	5,0 x 14,0 mm
a = 140 mm	**MS 111-1550**	**MS 111-1560**	**MS 111-1570**
a = 160 mm	**MS 111-1551**	**MS 111-1561**	**MS 111-1571**
a = 185 mm	**MS 111-1552**	**MS 111-1562**	**MS 111-1572**



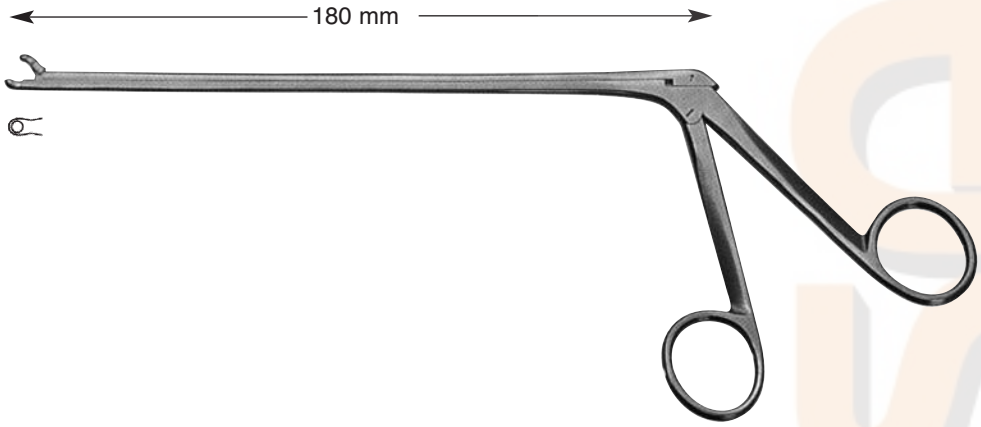
CASPAR

Şaft u<unluğu Length of shaft	Ağız genişliği / Width of bite	
		
	3,0 x 12,0 mm	4,0 x 14,0 mm
a = 140 mm	**MS 111-1580**	**MS 111-1590**
a = 160 mm	**MS 111-1581**	**MS 111-1591**
a = 185 mm	**MS 111-1582**	**MS 111-1592**



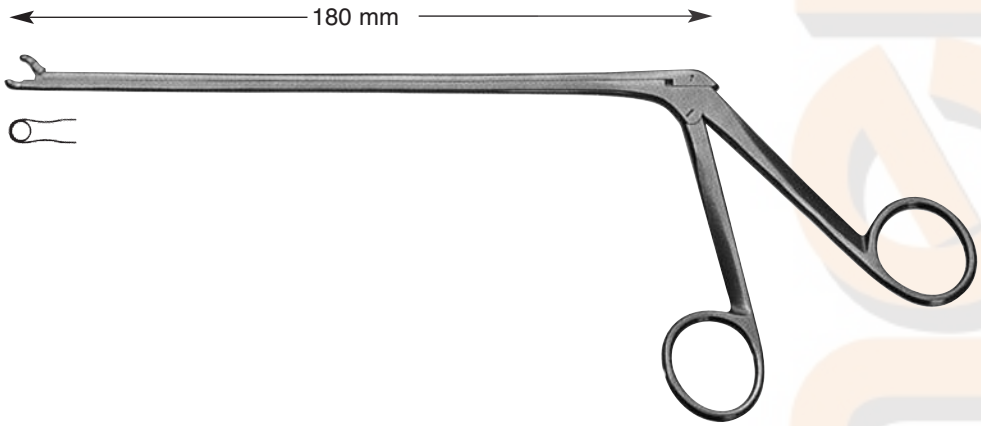
CASPAR

	Ağız genişliği / Width of bite			
				
	2,0 x 12,0 mm	3,0 x 13,0 mm	4,0 x 14,0 mm	5,0 x 14,0 mm
	**MS 111-1600**	**MS 111-1601**	**MS 111-1602**	**MS 111-1603**
	**MS 111-1610**	**MS 111-1611**	**MS 111-1612**	**MS 111-1613**
	**MS 111-1620**	**MS 111-1621**	**MS 111-1622**	**MS 111-1623**



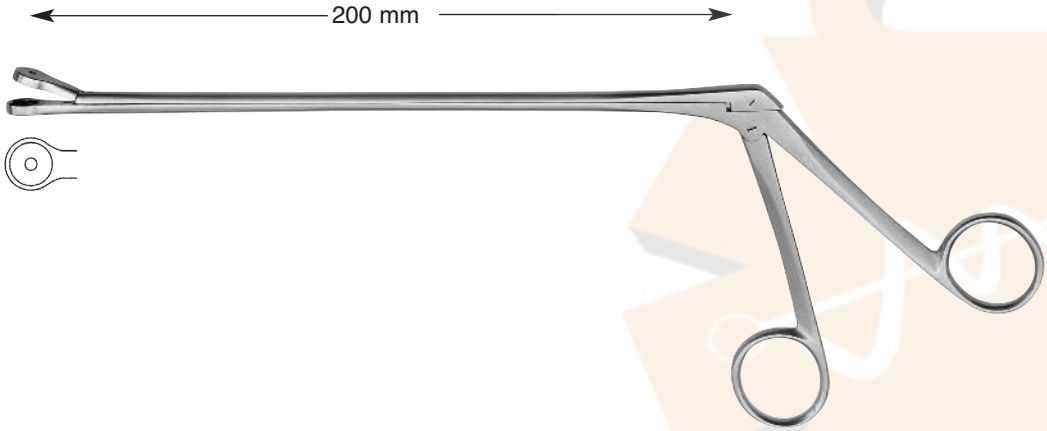
YASARGIL

MS 111-1630 Ø 2,0 mm



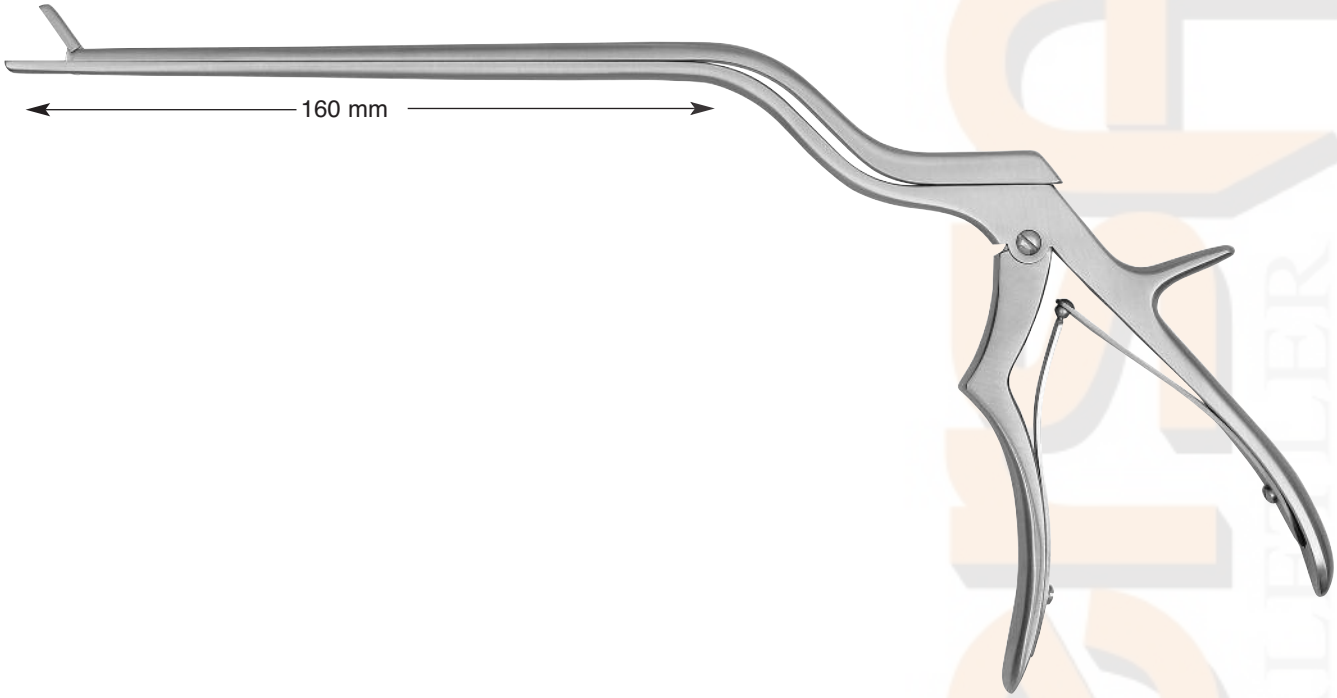
OLDBERG

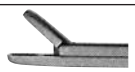
MS 111-1631 Ø 3,5 mm

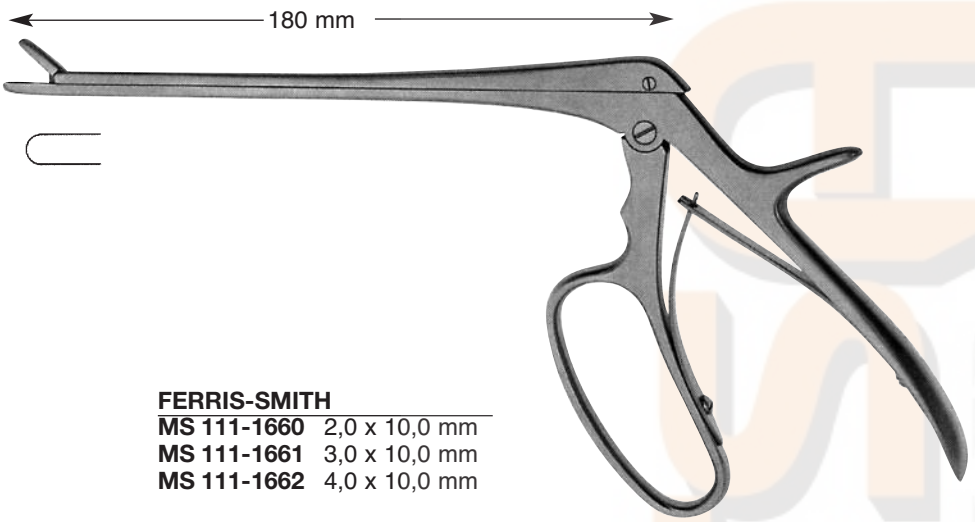


LANDOL

MS 111-1632 Ø 9,0 mm

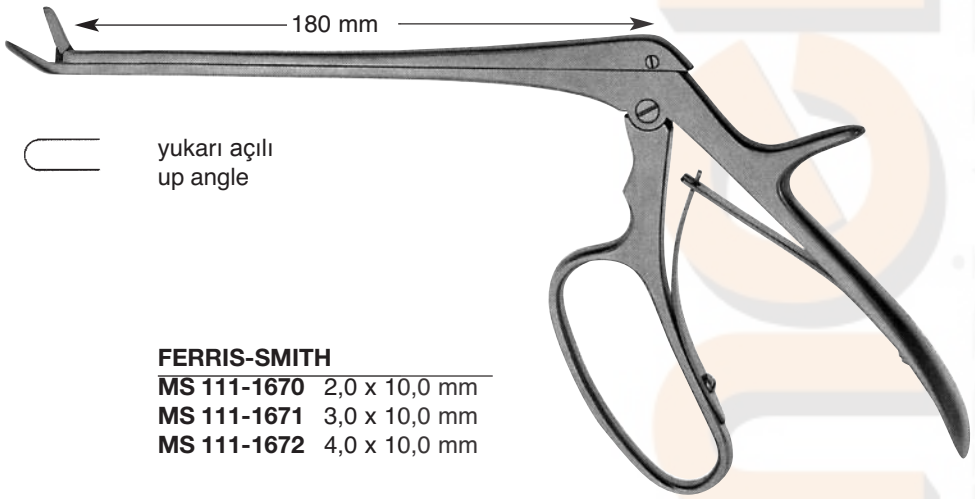


	Ağız genişliği / Width of bite		
	2,0 x 8,0 mm	3,0 x 9,0mm	4,0 x 10,0 mm
	**MS 111-1640**	**MS 111-1641**	**MS 111-1642**
	**MS 111-1650**	**MS 111-1651**	**MS 111-1652**



FERRIS-SMITH

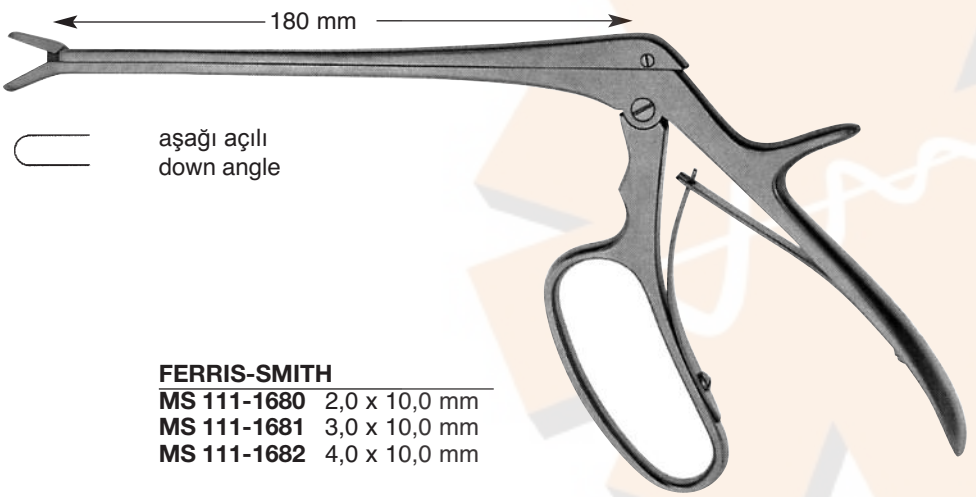
MS 111-1660	2,0 x 10,0 mm
MS 111-1661	3,0 x 10,0 mm
MS 111-1662	4,0 x 10,0 mm



yukarı açılı
up angle

FERRIS-SMITH

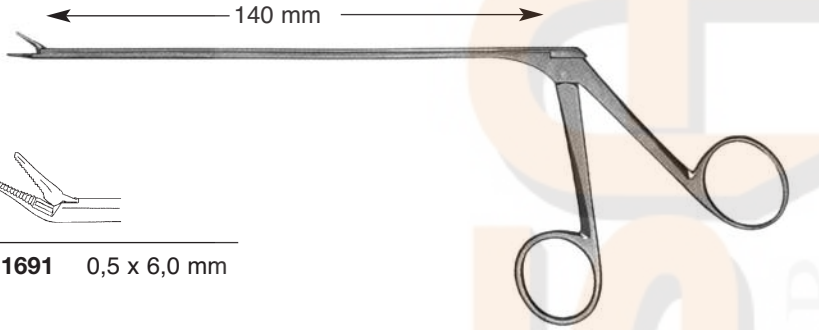
MS 111-1670	2,0 x 10,0 mm
MS 111-1671	3,0 x 10,0 mm
MS 111-1672	4,0 x 10,0 mm



aşağı açılı
down angle

FERRIS-SMITH

MS 111-1680	2,0 x 10,0 mm
MS 111-1681	3,0 x 10,0 mm
MS 111-1682	4,0 x 10,0 mm





MS 111-1690 0,5 x 6,0 mm

MS 111-1691 0,5 x 6,0 mm

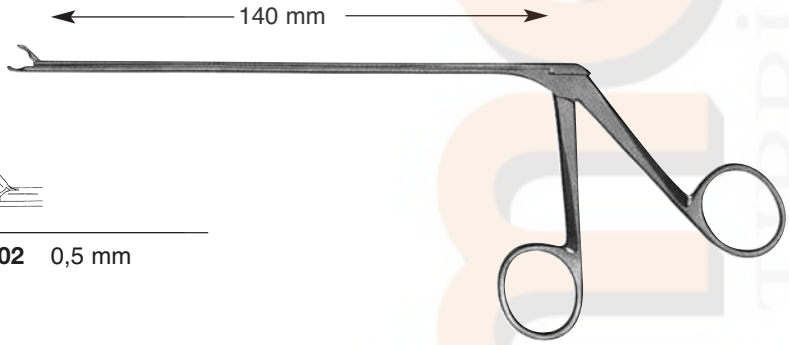


MS 111-1692 0,5 x 6,0 mm



MS 111-1693 0,5 x 6,0 mm





MS 111-1700 0,5 mm
MS 111-1701 1,0 mm



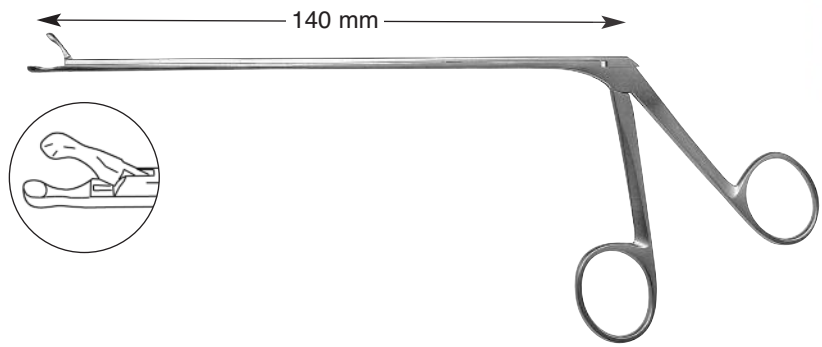
MS 111-1702 0,5 mm



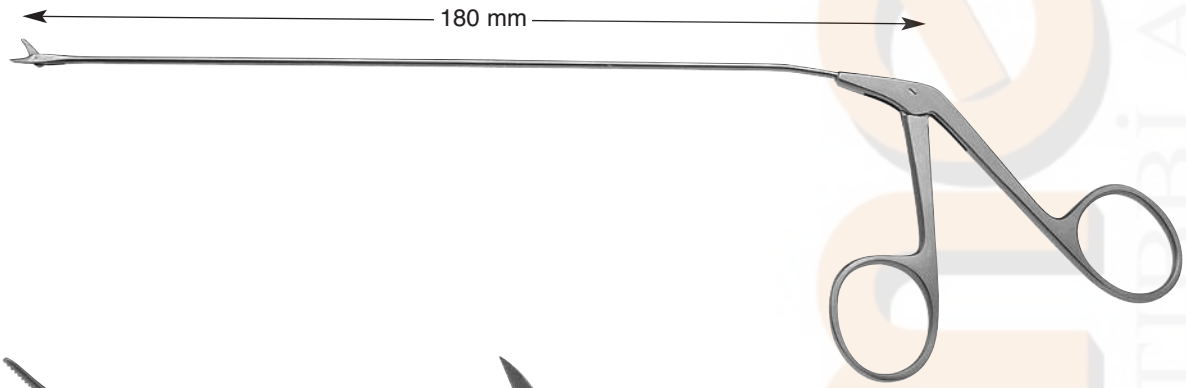
MS 111-1703 0,5 mm
MS 111-1704 1,0 mm



MS 111-1705 0,5 mm
MS 111-1706 1,0 mm



MS 111-1710 Ø 2,0 mm
MS 111-1711 Ø 3,0 mm





YASARGIL
MS 111-1720 Ø 2,0 mm



NICOLA
MS 111-1721 Ø 2,0 mm



NICOLA
MS 111-1722 Ø 2,0 mm

mersa
TIBBİ ALETLER

112



KARDİYOVASKÜLER
CARSDIOVASCULAR



MS 112-101 23,0 cm / 9"

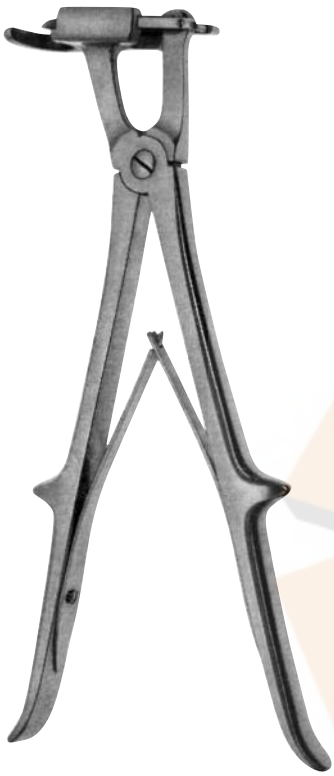


MS 112-102 23,0 cm / 9"



GLUCK

MS 112-103 22,0 cm / 8"



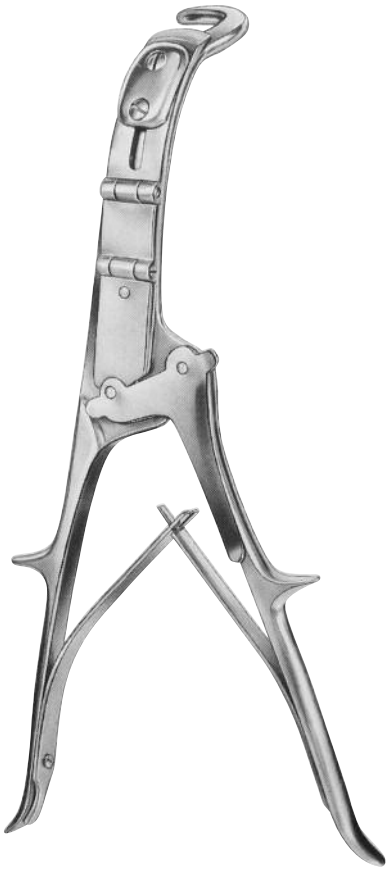
SAUERBRUCH

MS 112-104 26,0 cm / 10¾"



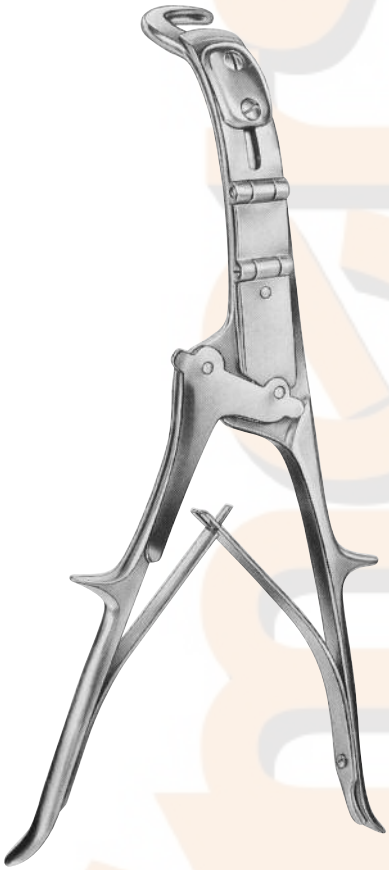
GIERTZ-STILLE

MS 112-105 27,0 cm / 10¾"



BRUNNER

MS 112-106 32,0 cm / 12½"



BRUNNER

MS 112-107 32,0 cm / 12½"



BETHUNE

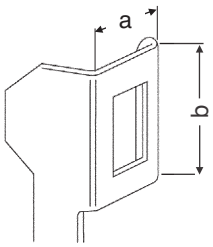
MS 112-108 34,0 cm / 13¾"

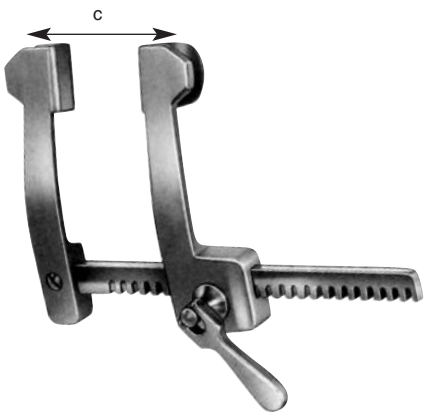


LEBSCHE

MS 112-115 24,5 cm / 10"

ALÜMİNYUM





COOLEY	a x b	c
MS 112-120	12 x 16 mm	85 mm

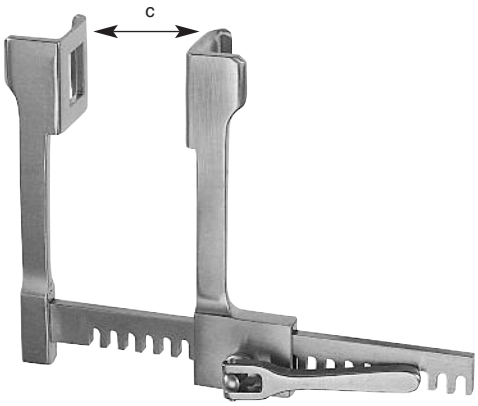


COOLEY	a x b	c
MS 112-121	15 x 30 mm	115 mm

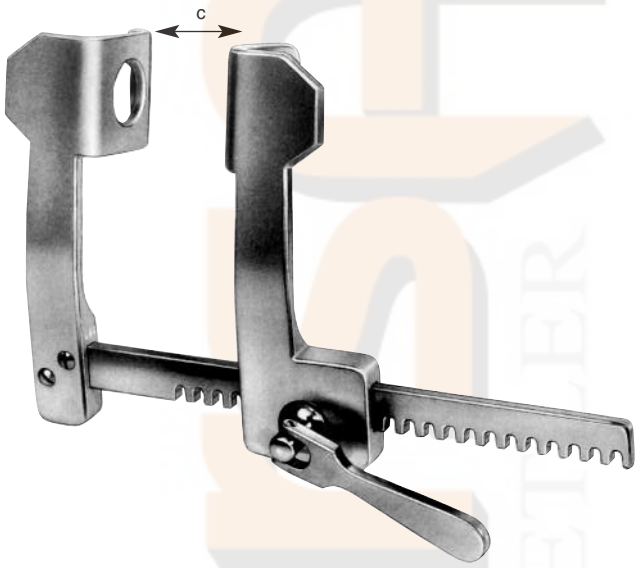


COOLEY	a x b	c
MS 112-122	20 x 45 mm	140 mm
MS 112-123	35 x 50 mm	185 mm

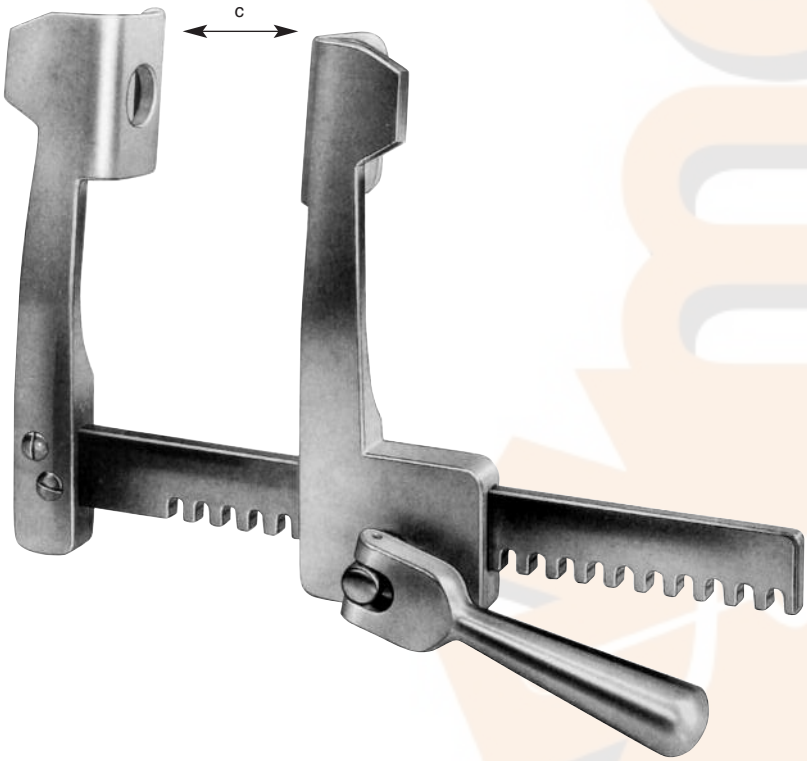
ALÜMİNYUM



FINOCHIETTO INFANT	a x b	c
MS 112-130	15 x 15 mm	75 mm



FINOCHIETTO BABY	a x b	c
MS 112-131	31 x 31 mm	100 mm

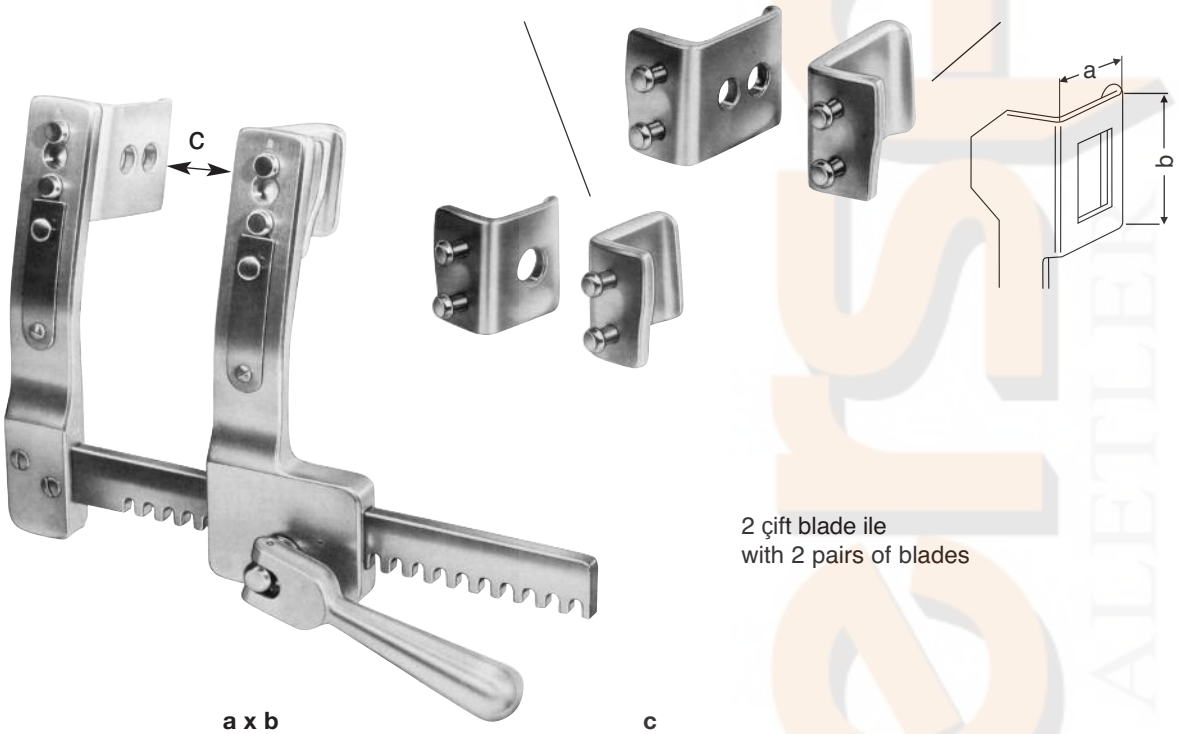


FINOCHIETTO	a x b	c
MS 112-132	40 x 45 mm	135 mm
MS 112-133	52 x 62 mm	175 mm
MS 112-134	85 x 65 mm	175 mm

ALÜMİNYUM

MS 112-141 34 x 42 mm
Yedek blade, çift
Spare blades, pair

MS 112-142 48 x 42 mm
Yedek blade, çift
Spare blades, pair

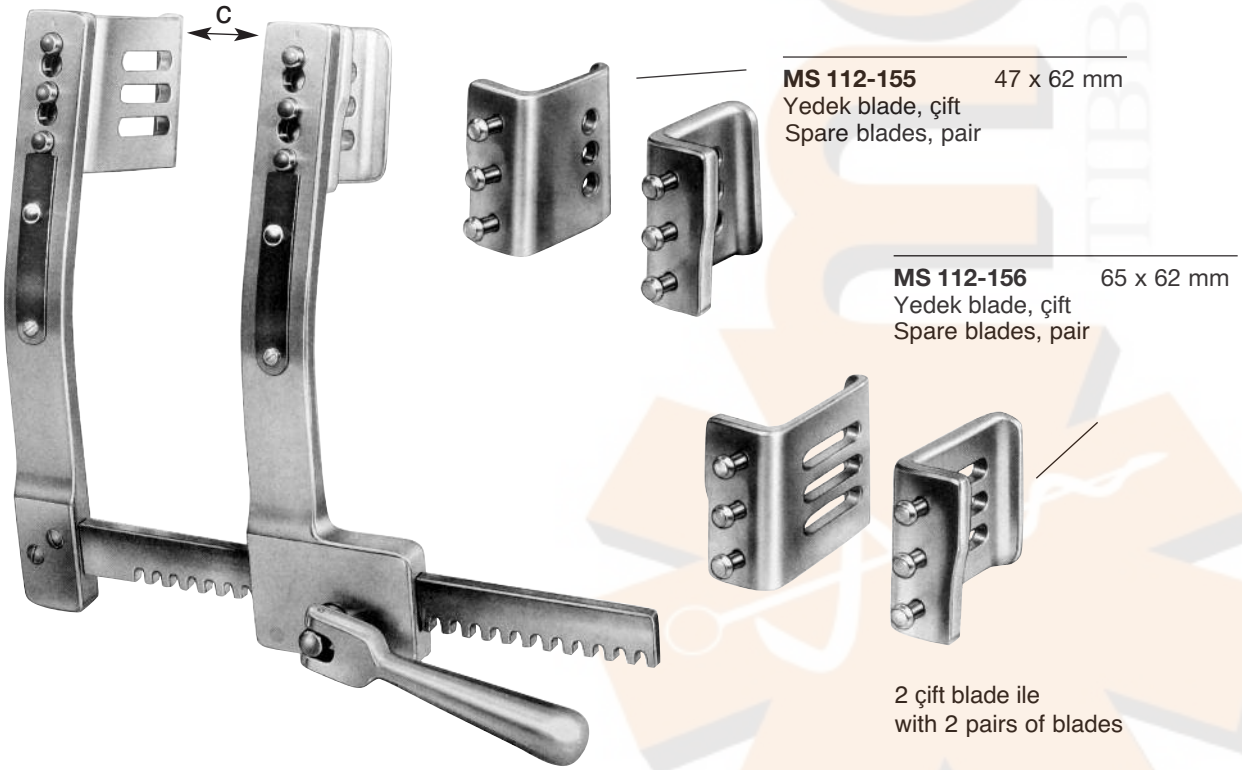


2 çift blade ile
with 2 pairs of blades

BURFORD	a x b	c
MS 112-140	48 x 42 mm + 34 x 42 mm	135 mm

MS 112-155 47 x 62 mm
Yedek blade, çift
Spare blades, pair

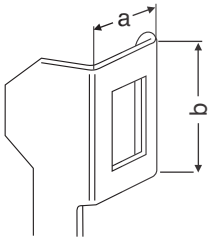
MS 112-156 65 x 62 mm
Yedek blade, çift
Spare blades, pair

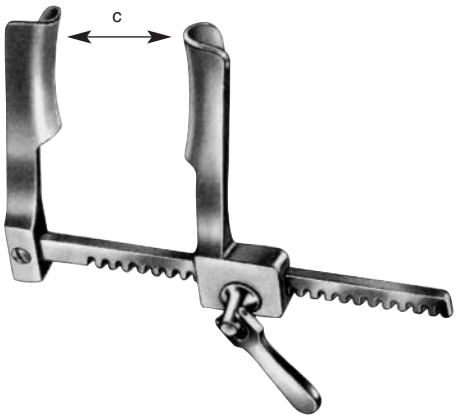


2 çift blade ile
with 2 pairs of blades

BURFORD	a x b	c
MS 112-150	47 x 62 mm + 65 x 62 mm	200 mm
MS 112-151	47 x 62 mm + 65 x 62 mm	260 mm
MS 112-152	47 x 62 mm + 65 x 62 mm	300 mm

ALÜMİNYUM





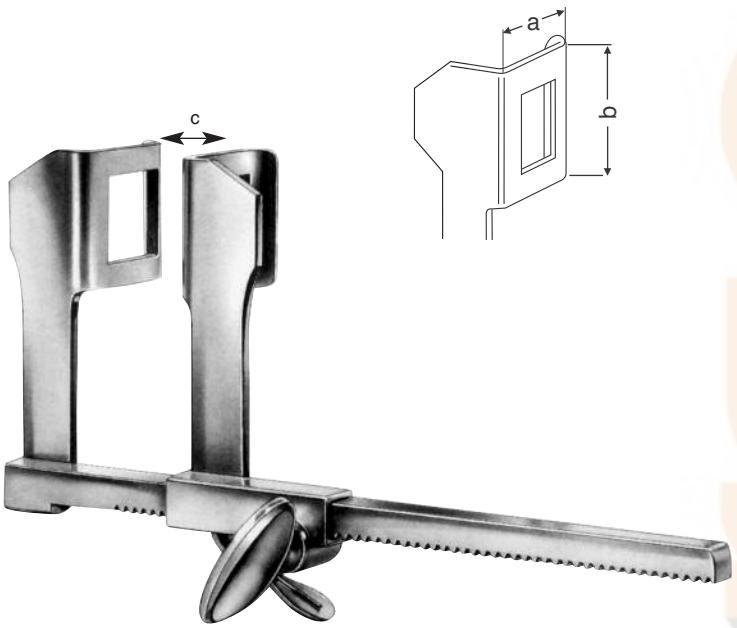
CASTAÑEDA	a x b	c
MS 112-160	10,5 x 32 mm	65 mm



CASTAÑEDA	a x b	c
MS 112-161	12 x 45 mm	70 mm



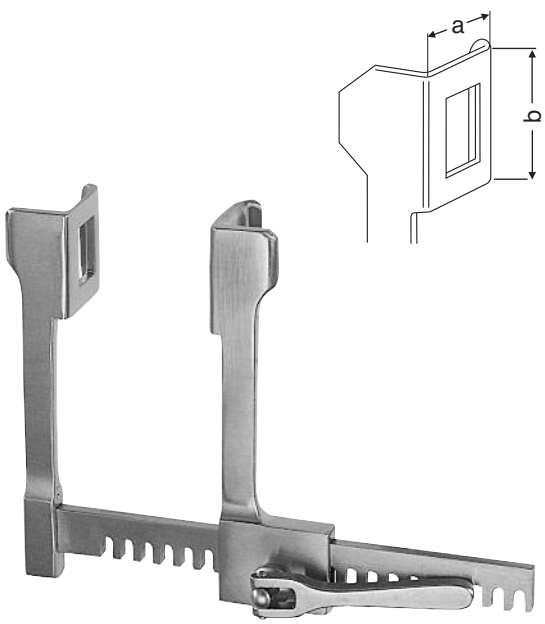
CASTAÑEDA	a x b	c
MS 112-162	15 x 60 mm	120 mm



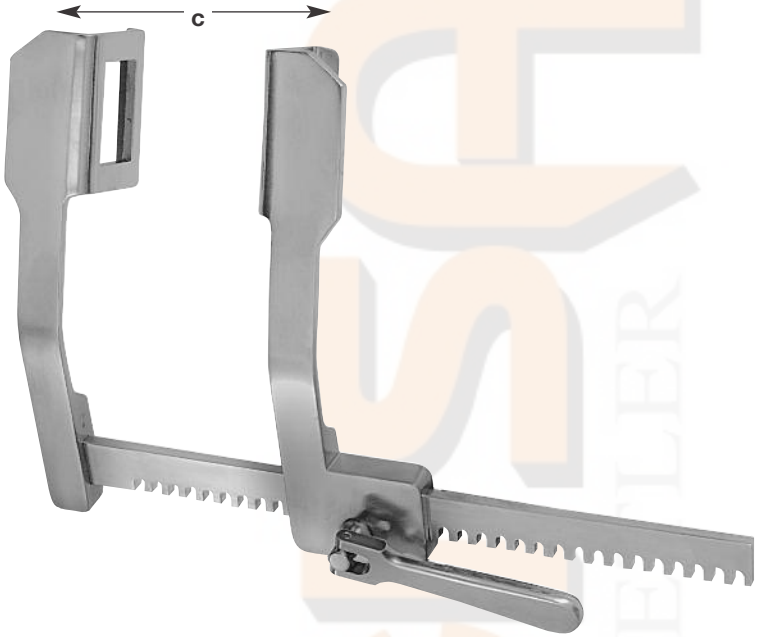
HAIGHT	a x b	c
MS 112-170	30 x 30 mm	120 mm



TUFFIER	a x b	c
MS 112-171	45 x 45 mm	160 mm

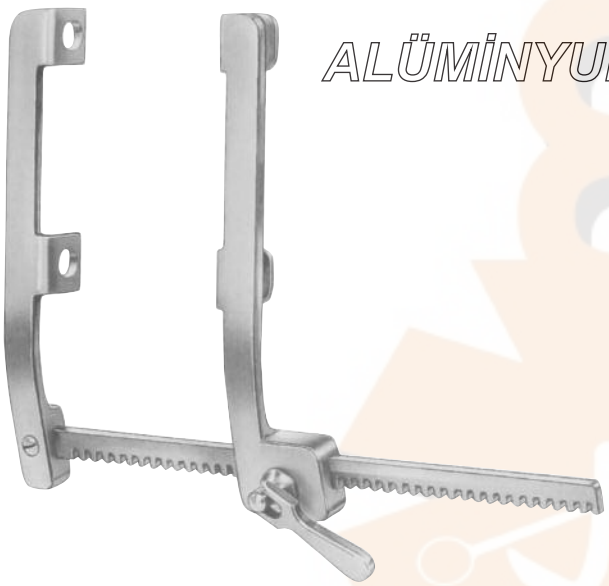


FINOCHIETTO BABY	a x b	c
MS 112-172	14 x 15 mm	75 mm

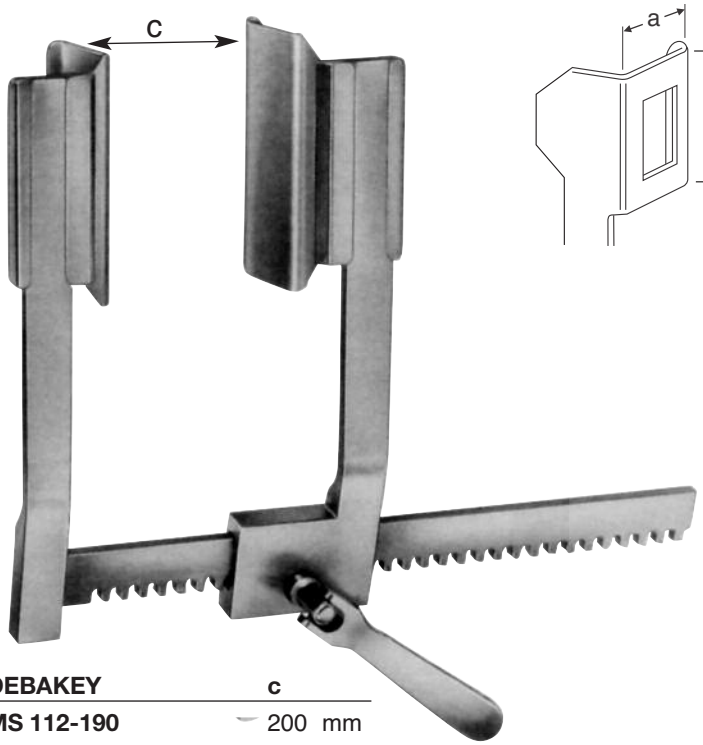


FINOCHIETTO	a x b	c
MS 112-173	40 x 40 mm	165 mm
MS 112-174	45 x 65 mm	200 mm
MS 112-175	70 x 65 mm	250 mm

ALÜMİNYUM

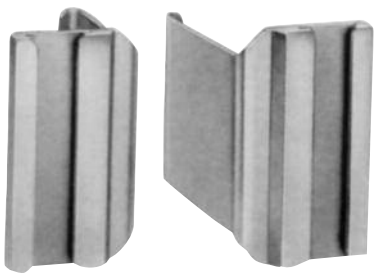


FINOCHIETTO (MODIF.)	a x b	c
MS 112-176	14 x 15 mm	120 mm



DEBAKEY
MS 112-191
Sadece ekartör
Retractor only

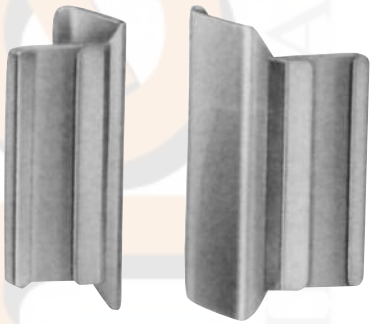
DEBAKEY	c
MS 112-190	200 mm



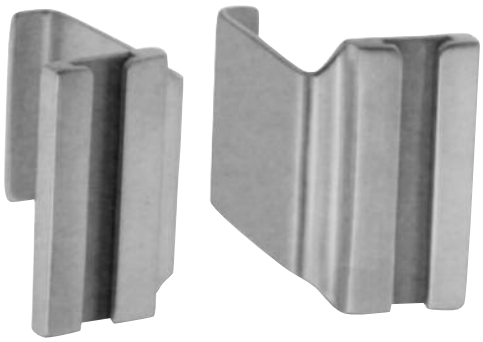
MS 112-192 60 x 60 mm



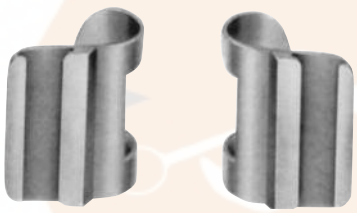
MS 112-193 50 x 80 mm



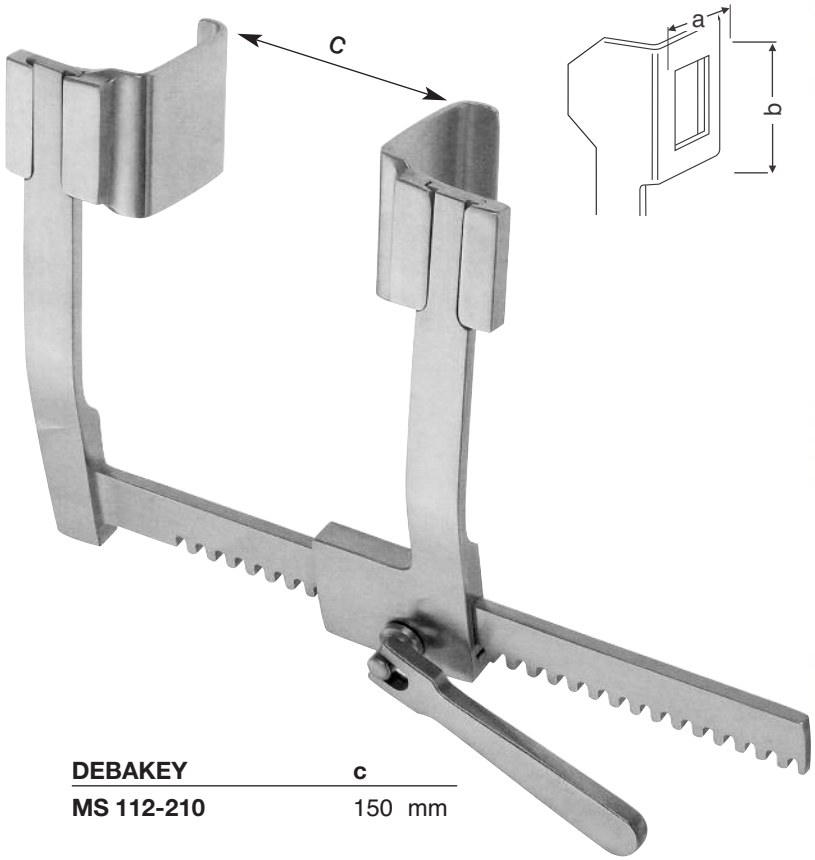
MS 112-194 40 x 100 mm



MS 112-195 80 x 60 mm

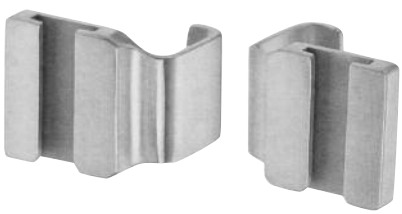


MS 112-196 66 x 66 mm

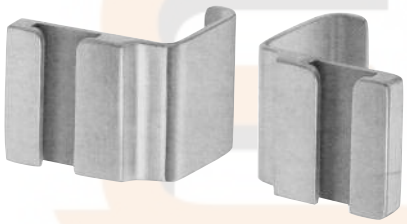


DEBAKEY
MS 112-211
Sadece ekartör
Retractor only

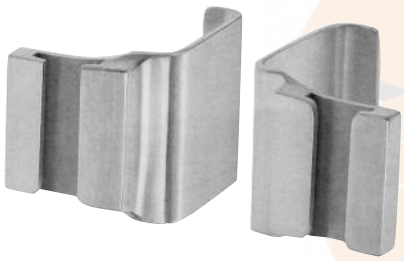
DEBAKEY	c
MS 112-210	150 mm



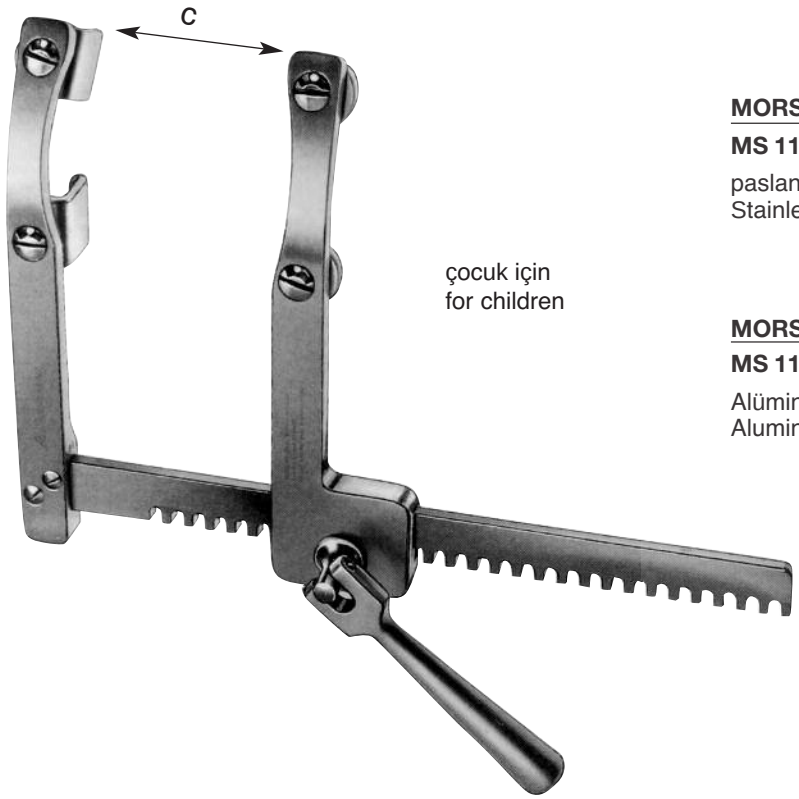
MS 112-215 30 x 30 mm



MS 112-216 40 x 40 mm



MS 112-217 50 x 50 mm



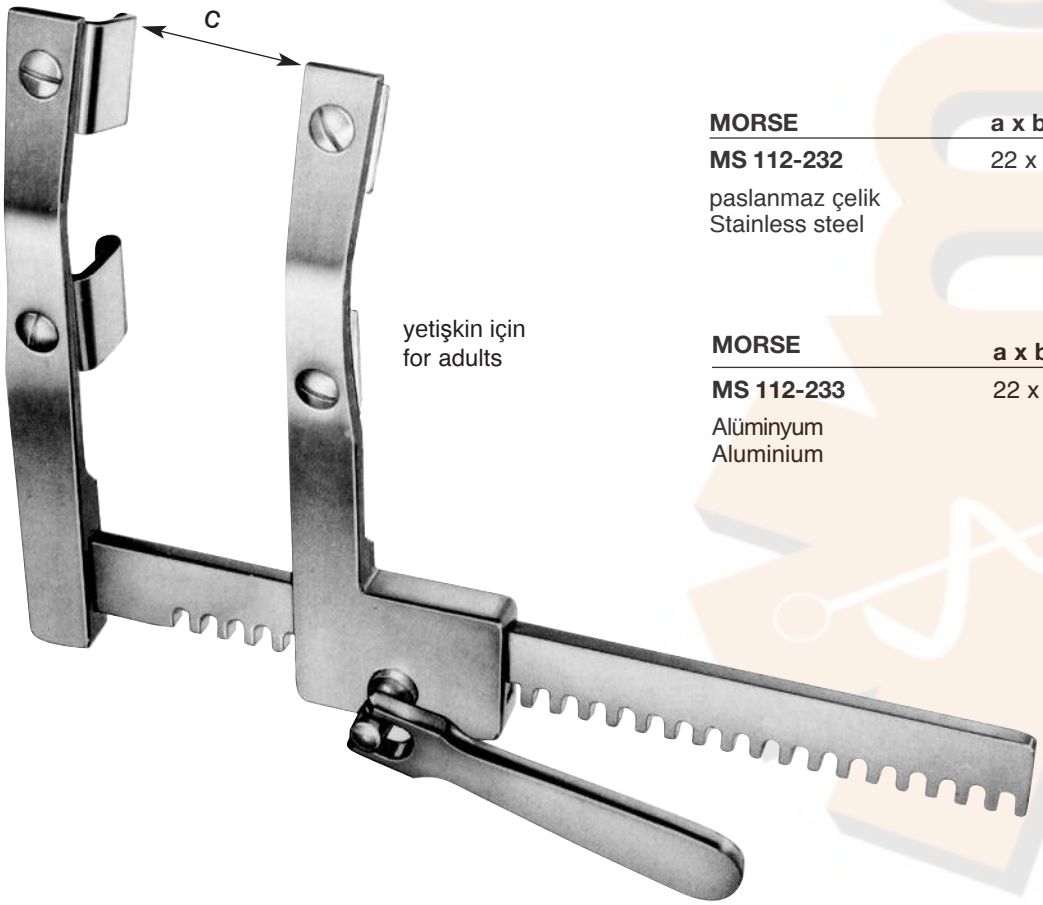
çocuk için
for children

MORSE-FAVALORO	a x b	c
MS 112-230	17 x 22 mm	160 mm

paslanmaz çelik
Stainless steel

MORSE-FAVALORO	a x b	c
MS 112-231	17 x 22 mm	160 mm

Alüminyum
Aluminium



yetişkin için
for adults

MORSE	a x b	c
MS 112-232	22 x 27 mm	200 mm

paslanmaz çelik
Stainless steel

MORSE	a x b	c
MS 112-233	22 x 27 mm	200 mm

Alüminyum
Aluminium



MERCEDES

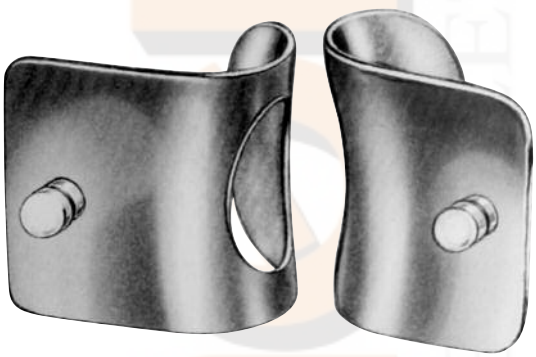
MS 112-240

komple
complete

MERCEDES

MS 112-241

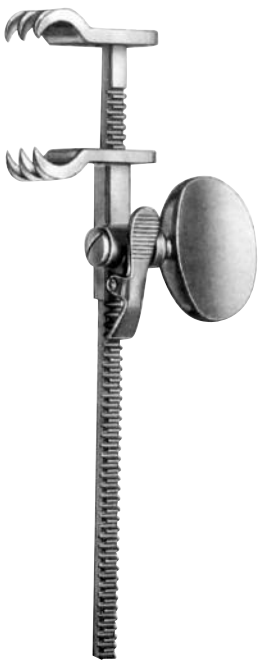
Sadece Ekartör
Retractor only



MS 112-242 48 x 68 mm



MS 112-243 70 x 75 mm



BABY-BAILEY

MS 112-250 15,5 cm / 6"



BAILEY

MS 112-251 20,0 cm / 8"



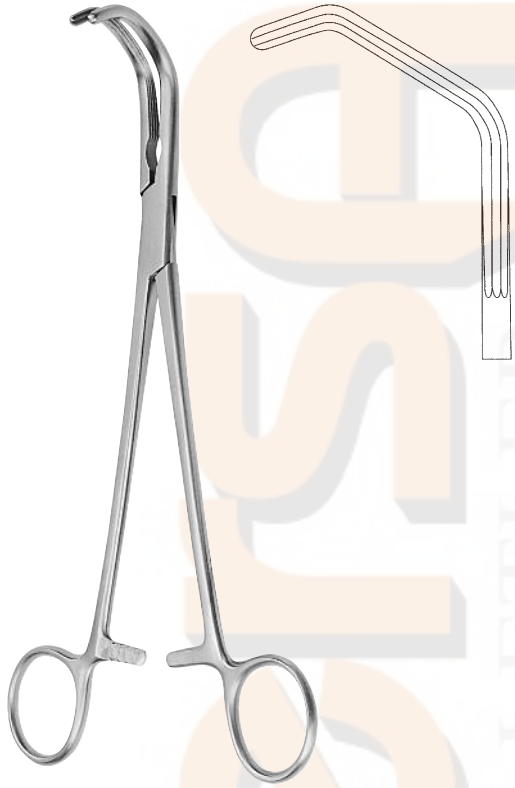
BAILEY-GIBBON

MS 112-252 20,0 cm / 8"



ALLISON

MS 112-260	30,0 cm / 11¾"	40 mm
MS 112-261	32,0 cm / 12½"	54 mm

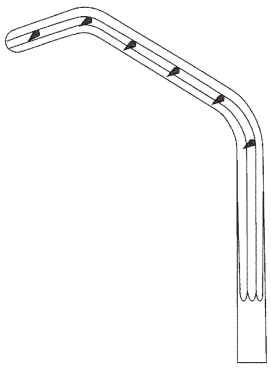


PRICE-THOMAS

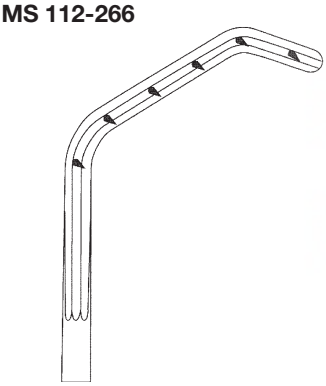
MS 112-265	22,0 cm / 8¾"



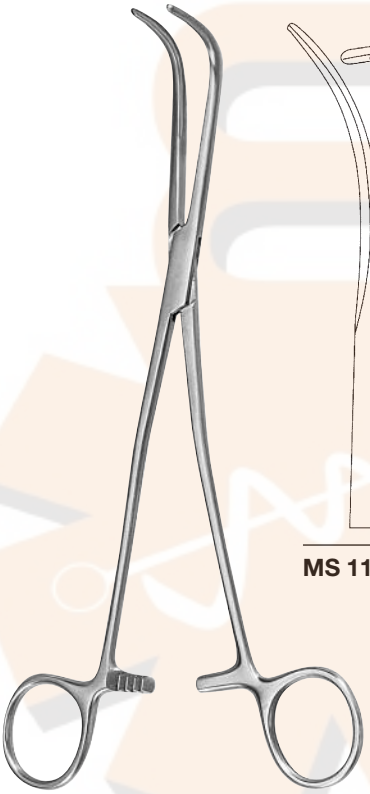
PRICE-THOMAS
22,0 cm / 8¾"



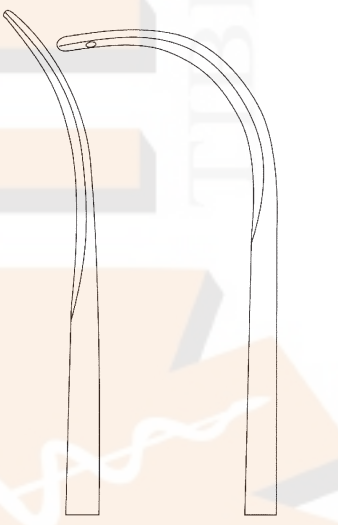
MS 112-266



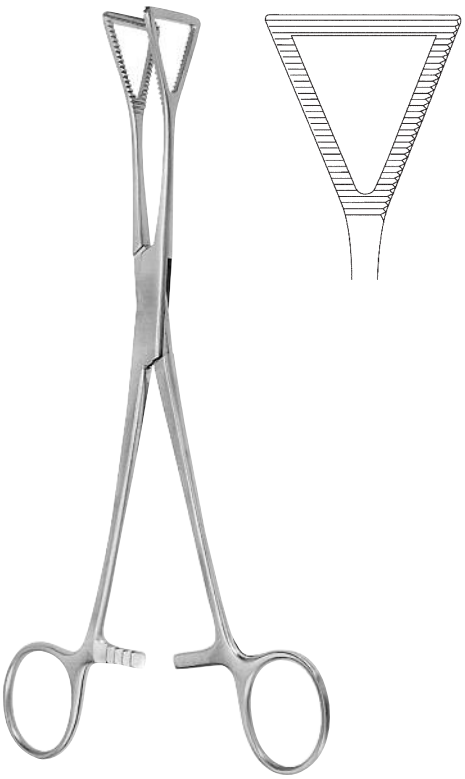
MS 112-267



SEMB
24,0 cm / 9½"



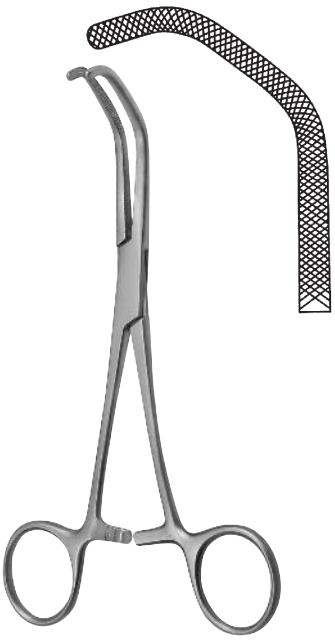
MS 112-280 **MS 112-281**



LOVELACE
MS 112-285 20,0 cm / 8"



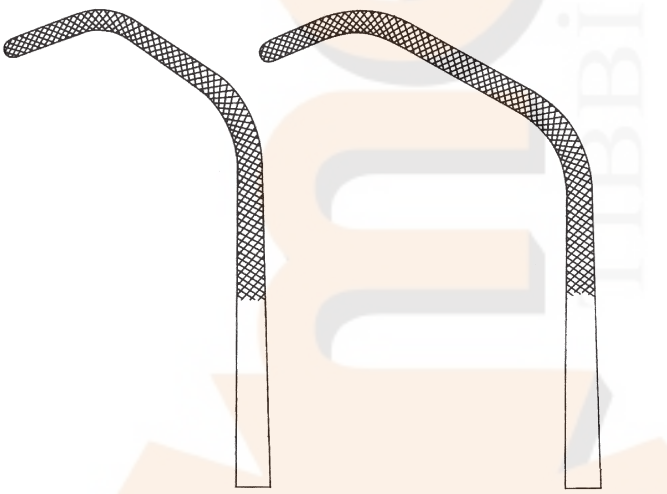
LOVELACE
MS 112-286 20,0 cm / 8"



BABY-SATINSKY
MS 112-290 15,0 cm / 6"



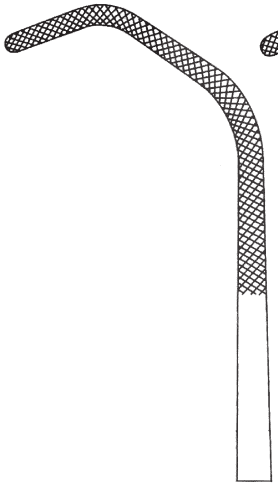
SATINSKY
26,5 cm / 10½"



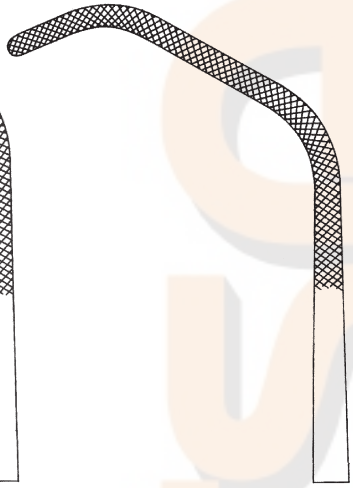
MS 112-291 **MS 112-292**







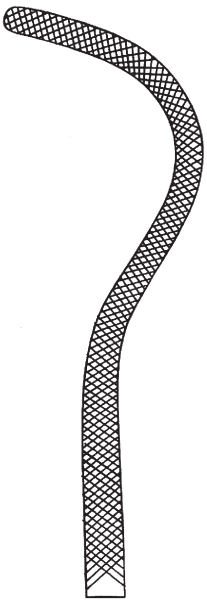
MS 112-293



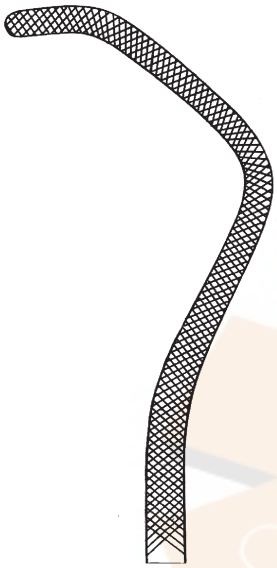
MS 112-294

SATINSKY
26,5 cm / 10½"





MS 112-300



MS 112-301



MS 112-302

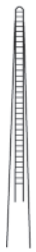
HARKEN
24,0 cm / 9½"

ATRAVMATİK



DEBAKEY

1,5 mm



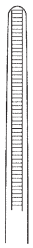
MS 112-310	16,0 cm / 6¼”
MS 112-311	20,0 cm / 8”
MS 112-312	24,0 cm / 9½”

2,0 mm



MS 112-320	16,0 cm / 6¼”
MS 112-321	20,0 cm / 8”
MS 112-322	24,0 cm / 9½”
MS 112-323	30,0 cm / 12”

2,7 mm



MS 112-330	16,0 cm / 6¼”
MS 112-331	20,0 cm / 8”
MS 112-332	24,0 cm / 9½”
MS 112-333	30,0 cm / 12”

3,5 mm

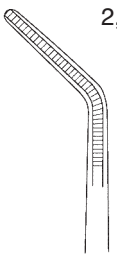


MS 112-340	16,0 cm / 6¼”
MS 112-341	20,0 cm / 8”
MS 112-342	24,0 cm / 9½”
MS 112-343	30,0 cm / 12”



DEBAKEY

2,0 mm



MS 112-350	16,0 cm / 6¼”
MS 112-351	20,0 cm / 8”
MS 112-352	24,0 cm / 9½”
MS 112-353	30,0 cm / 12”

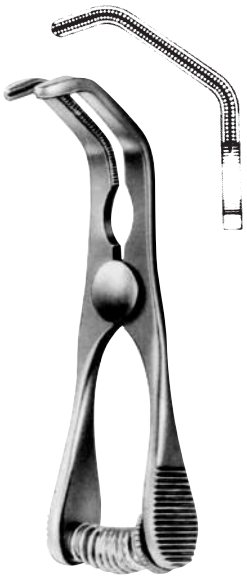
ATRAVMATİK



DEBAKEY		L
MS 112-360	7,5 cm / 3"	2,5 cm / 1"
MS 112-361	8,5 cm / 3¼"	3,5 cm / 1⅜"
MS 112-362	10,5 cm / 4⅛"	5,0 cm / 2"
MS 112-363	12,0 cm / 4¾"	6,8 cm / 2¾"



DEBAKEY		L
MS 112-370	7,0 cm / 2¾"	2,5 cm / 1"
MS 112-371	8,0 cm / 3⅛"	3,5 cm / 1⅜"
MS 112-372	10,0 cm / 3¾"	5,0 cm / 2"
MS 112-373	11,5 cm / 4¼"	6,8 cm / 2¾"



DEBAKEY-SATINSKY

MS 112-380 7,0 cm / 2¾"



DEBAKEY-SATINSKY

MS 112-381 9,0 cm / 3½"



DEBAKEY-SATINSKY

MS 112-382 10,0 cm / 4"

ATRAVMATİK



MS 112-390	23,5 cm / 9¼"



GLOVER

MS 112-400	6,0 cm / 2⅜"
MS 112-401	7,0 cm / 2¾"
MS 112-402	9,0 cm / 3¾"
MS 112-403	11,0 cm / 4⅜"



GLOVER

MS 112-410	5,5 cm / 2⅓"
MS 112-411	7,0 cm / 2½"
MS 112-412	8,5 cm / 3½"
MS 112-413	10,5 cm / 4⅜"

ATRAVMATİK



GLOVER

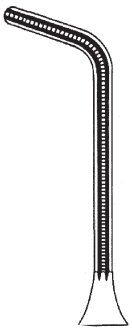
MS 112-420 6,0 cm / 2¼"



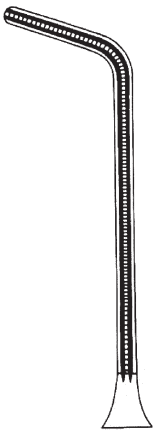
SANTULLI

MS 112-425 7,0 cm / 2¾"





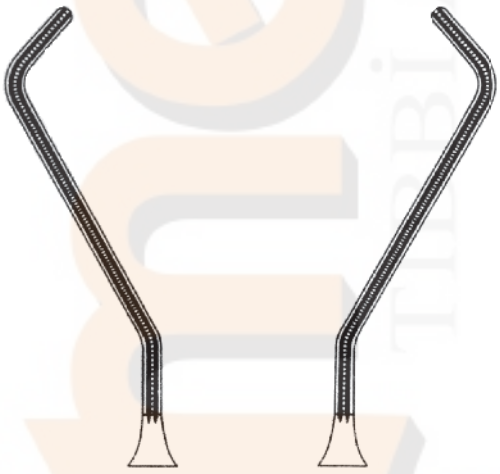
MS 112-430
9,0 cm / 3½"



MS 112-431
11,0 cm / 4¼"

GREGORY SOFT



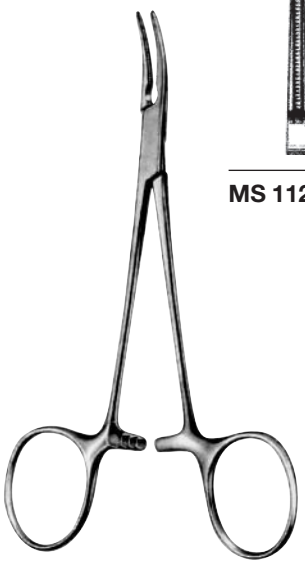


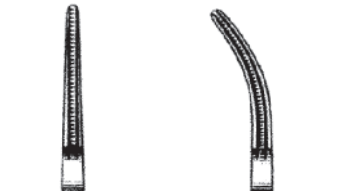
MS 112-435
10,5 cm / 4"

MS 112-436
10,5 cm / 4"

GREGOR

ATRAVMATİK





MS 112-440

MS 112-441

MOSQUITO-DEBAKE
12,5 cm / 5"

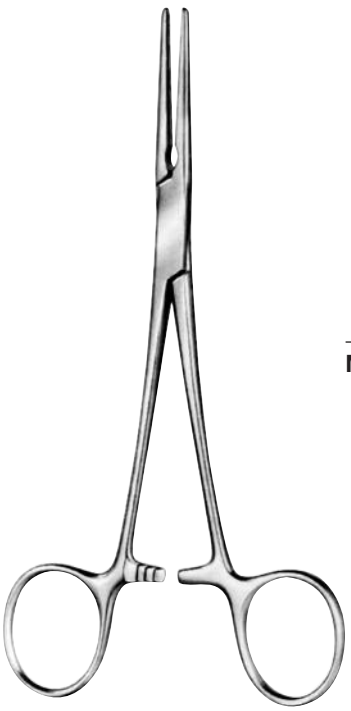




MS 112-445

MS 112-446

MOSQUITO-DEBAKEY
15,0 cm / 6"





MS 112-450

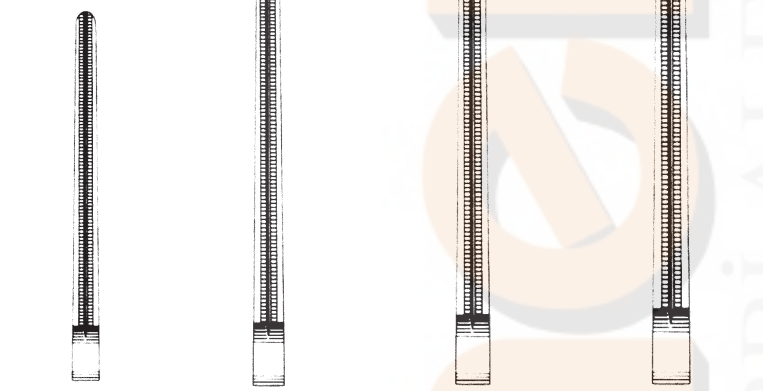
MS 112-451

DE-BAKEY-RANKIN
16,0 cm / 6¼"

ATRAVMATİK



PEAN-DEBAKEY



MS 112-455
14,5 cm / 5¾”

MS 112-456
16,5 cm / 6½”

MS 112-457
18,5 cm / 7¼”

MS 112-458
20,5 cm / 8”

ATRAVMATİK



PEAN-DEBAKEY



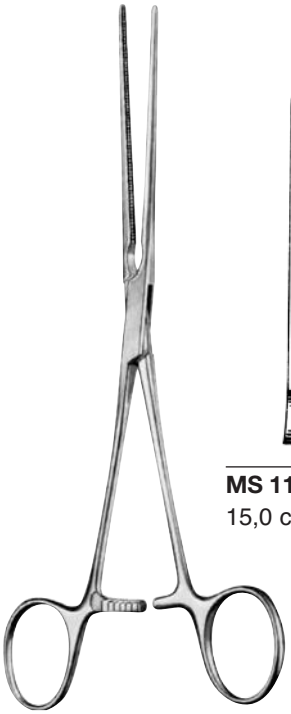
MS 112-470
14,5 cm / 5¾”

MS 112-471
16,5 cm / 6½”

MS 112-472
18,5 cm / 7¼”

MS 112-473
20,5 cm / 8”

ATRAVMATİK



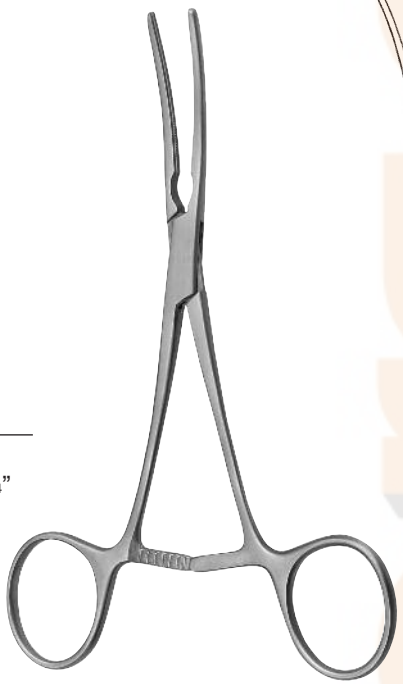
BAINBRIDGE



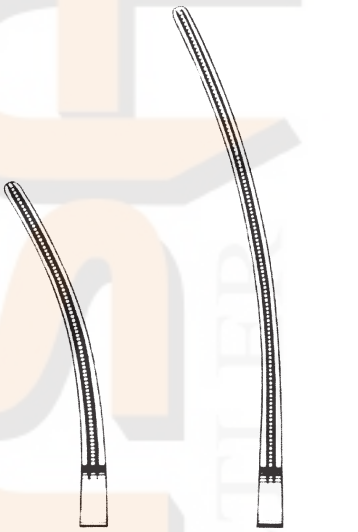
MS 112-480
15,0 cm / 6”



MS 112-481
18,5 cm / 7¼”

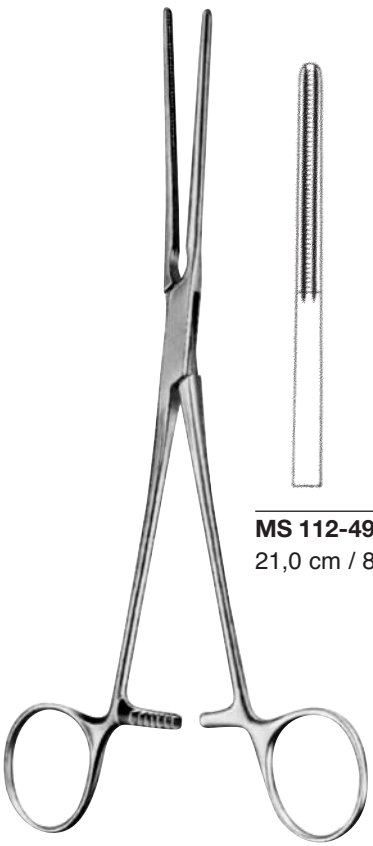


BAINBRIDGE



MS 112-485
15,0 cm / 6”

MS 112-486
18,5 cm / 7¼”



POTTS

MS 112-490
21,0 cm / 8¼”



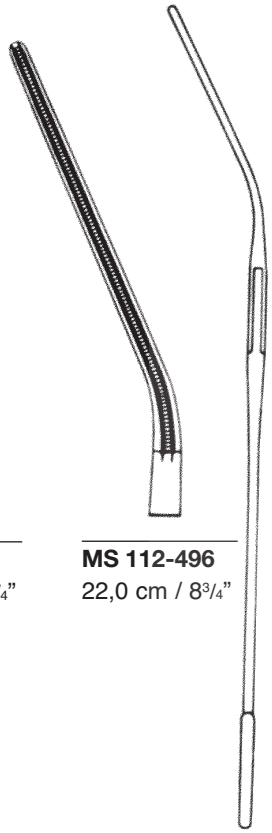
MS 112-491
22,5 cm / 8¾”

ATRAVMATİK



POTTS

MS 112-495
21,0 cm / 8¼”



MS 112-496
22,0 cm / 8¾”



POTTS



MS 112-500
21,0 cm / 8¼”

MS 112-501
22,0 cm / 8¾”

ATRAVMATİK



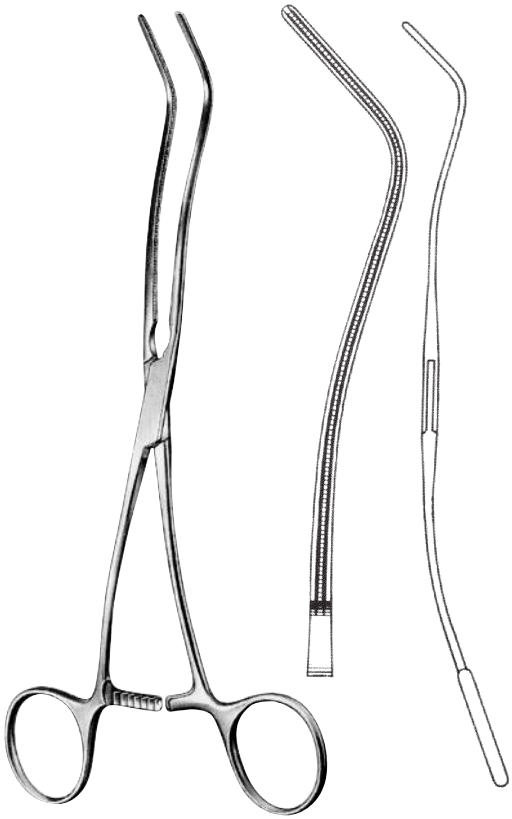
POTTS-GLOVER

MS 112-505 21,5 cm / 8½"



POTTS

MS 112-506 22,0 cm / 2¾"

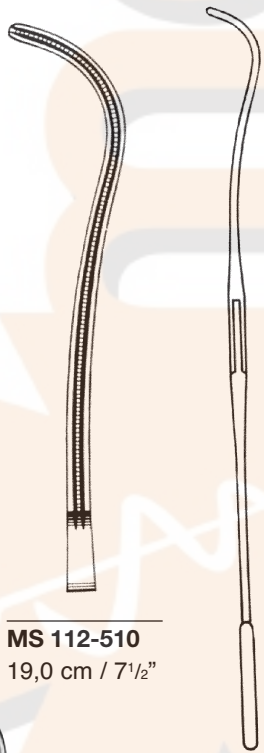


DEBAKEY

MS 112-507 20,0 cm / 8"



DEBAKEY



MS 112-510
19,0 cm / 7½”



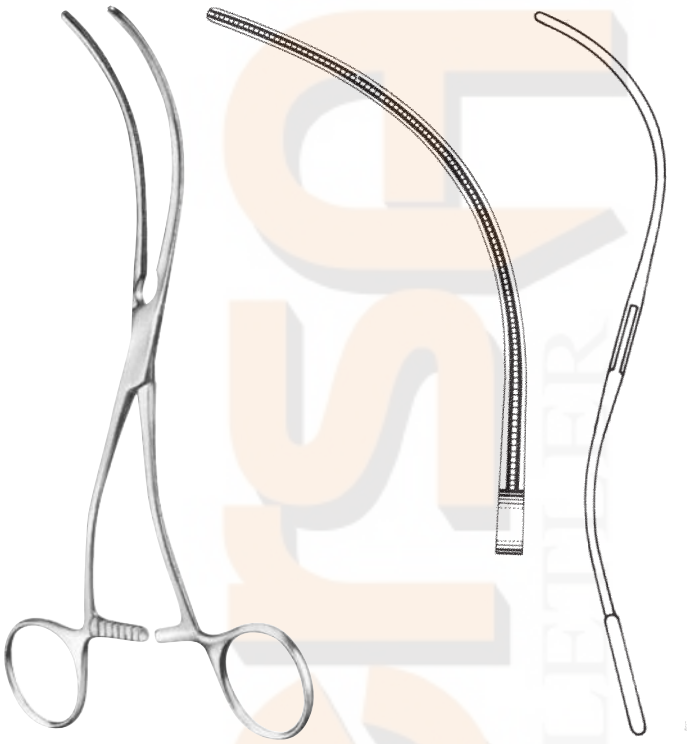
MS 112-511
24,0 cm / 9½”

ATRAVMATİK



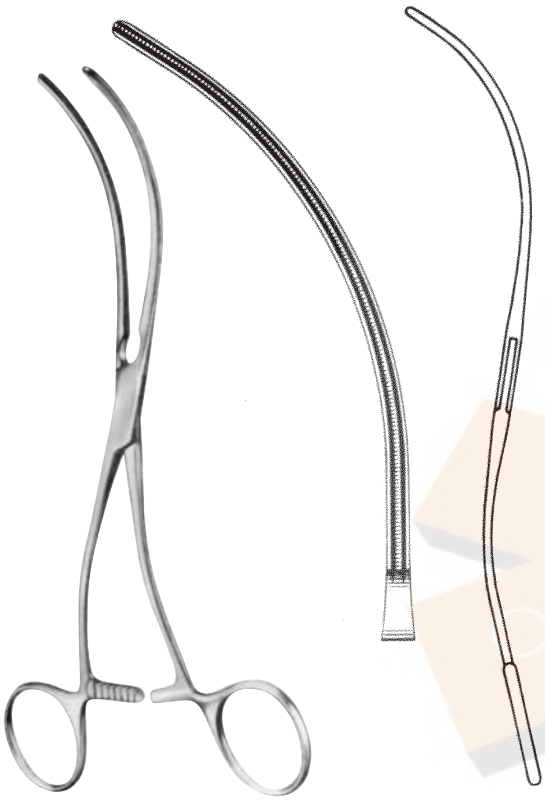
DEBAKEY

MS 112-515 16,0 cm / 6¼"



DEBAKEY

MS 112-516 19,0 cm / 7½"



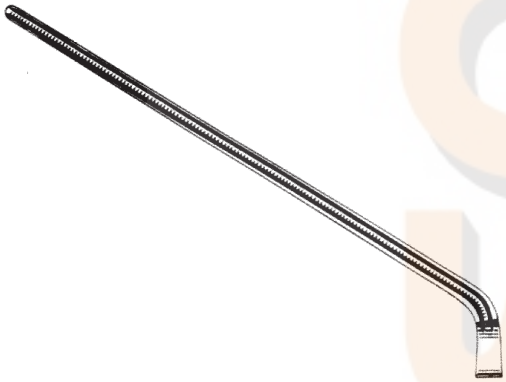
DEBAKEY

MS 112-517 20,0 cm / 8"

ATRAVMATİK

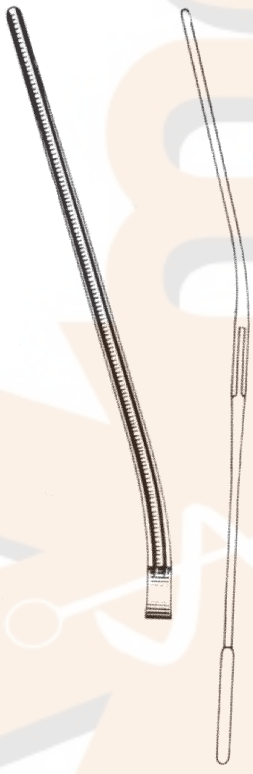


LELAND-JONES
MS 112-530 18,0 cm / 7”



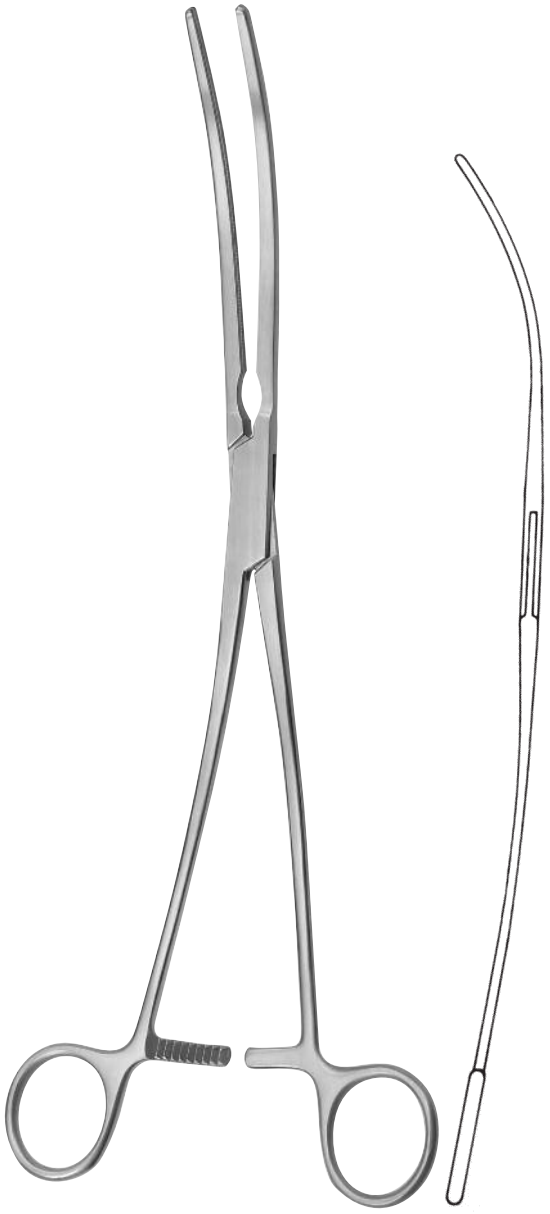


LELAND-JONES
MS 112-531 19,0 cm / 7½”

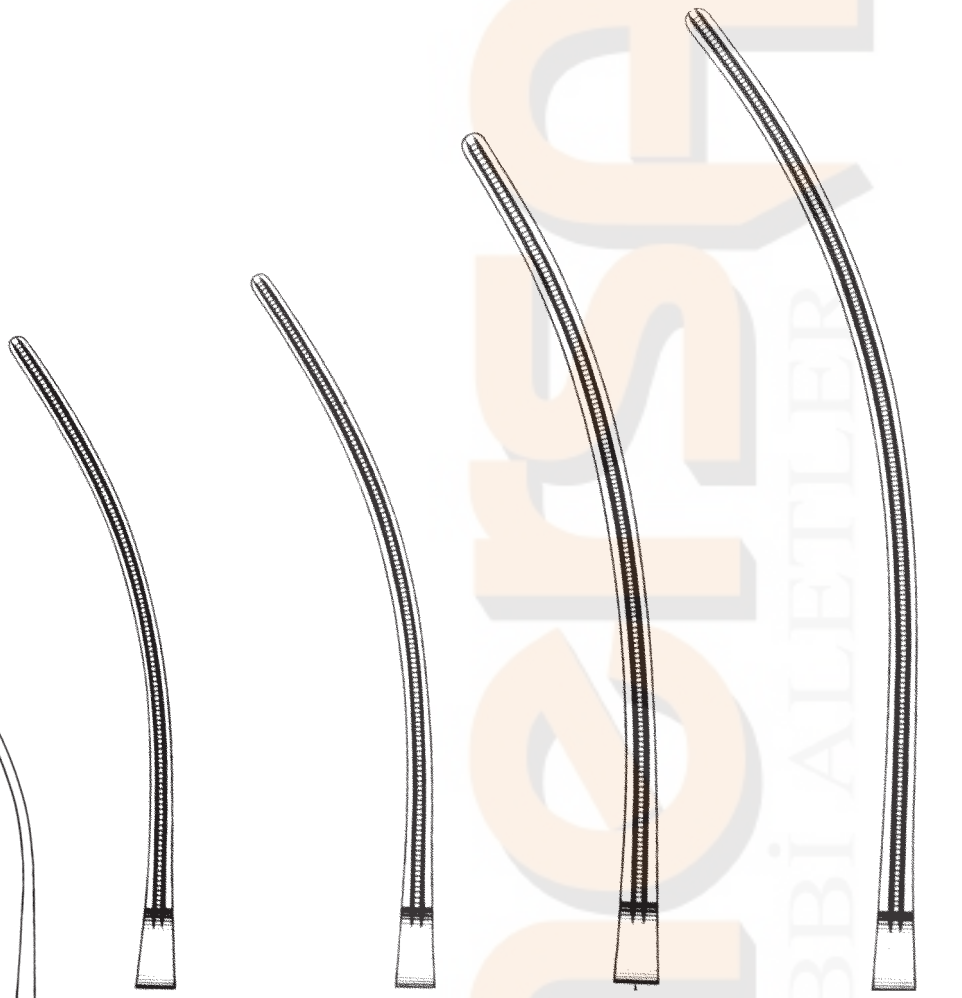


LELAND-JONES
MS 112-532 20,0 cm / 8”

ATRAVMATİK



DEBAKEY



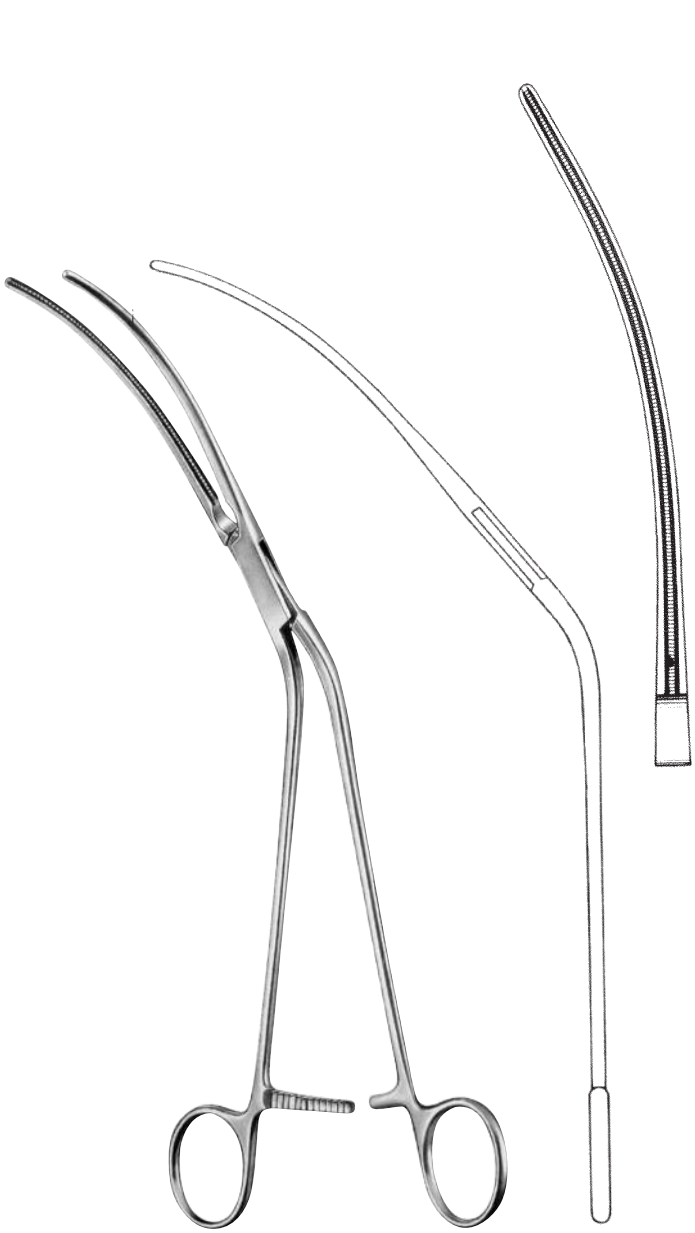
MS 112-540
26,0 cm /10¼”

MS 112-541
27,0 cm /10¾”

MS 112-542
31,0 cm / 12¼”

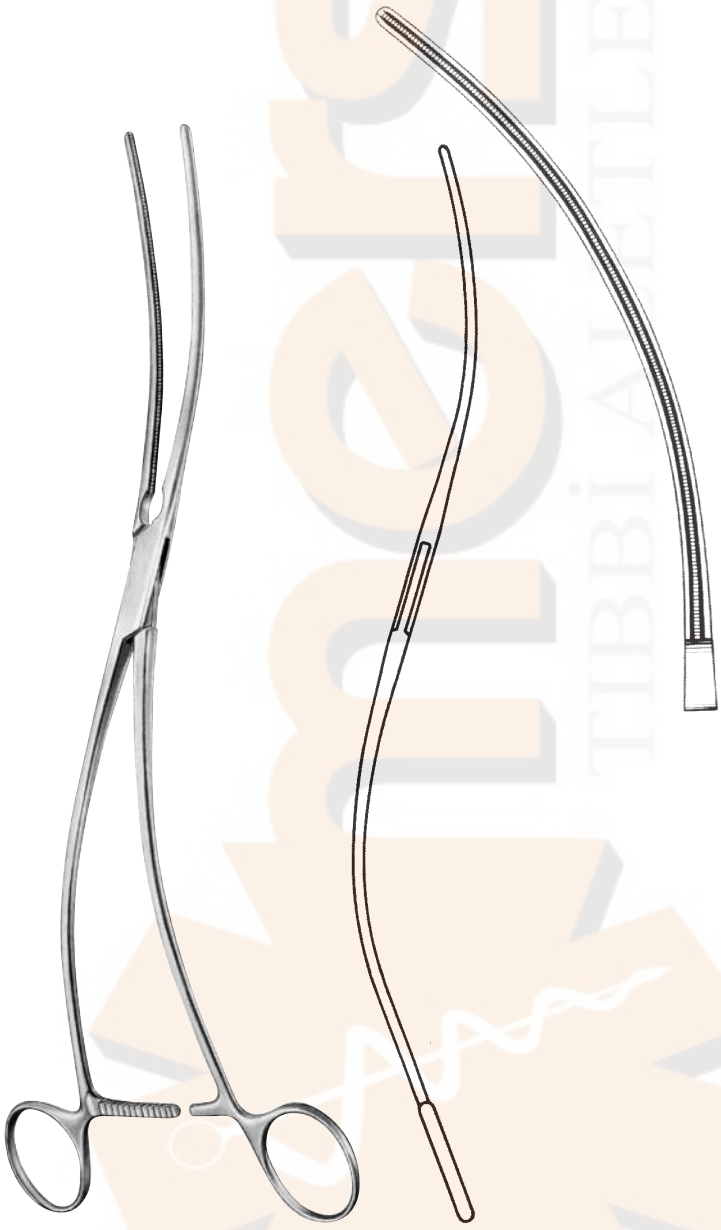
MS 112-543
33,0 cm / 13,0”

ATRAVMATİK



DEBAKEY

MS 112-550 28,0 cm / 11"



DEBAKEY

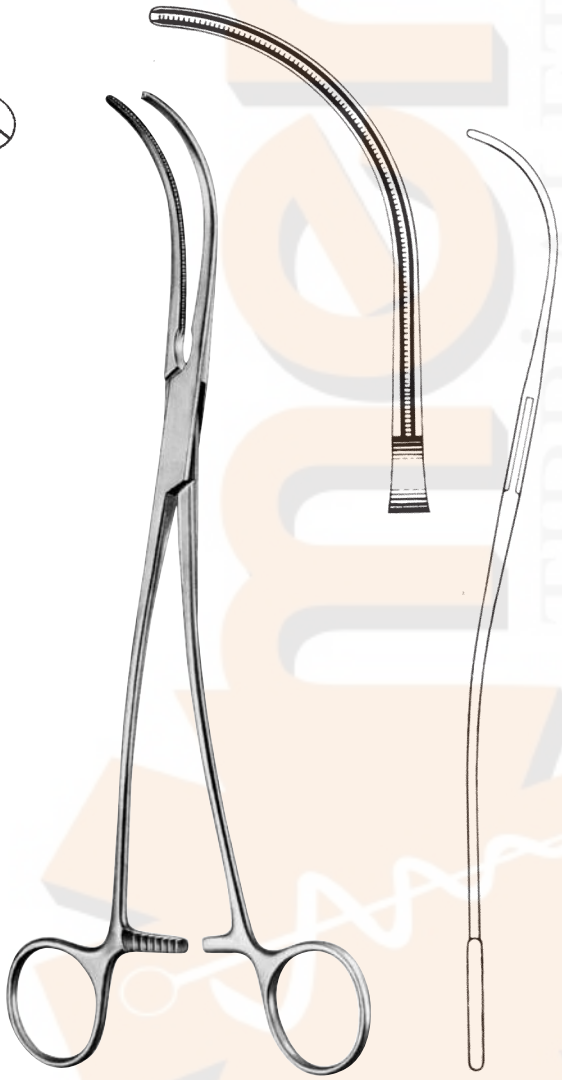
MS 112-551 30,0 cm / 11¾"

ATRAVMATİK



DEBAKEY

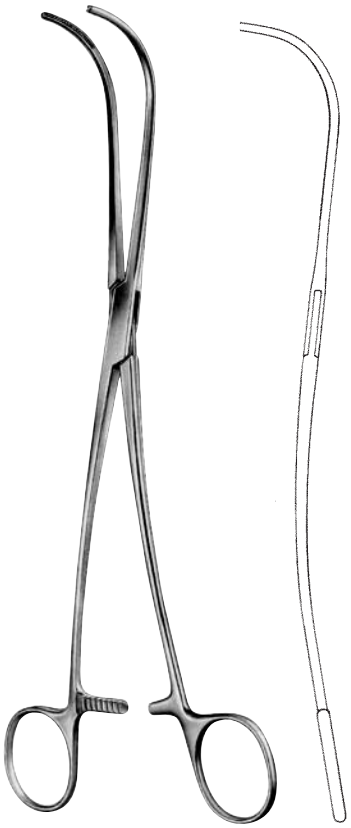
MS 112-555 27,0 cm / 10¾"



DEBAKEY

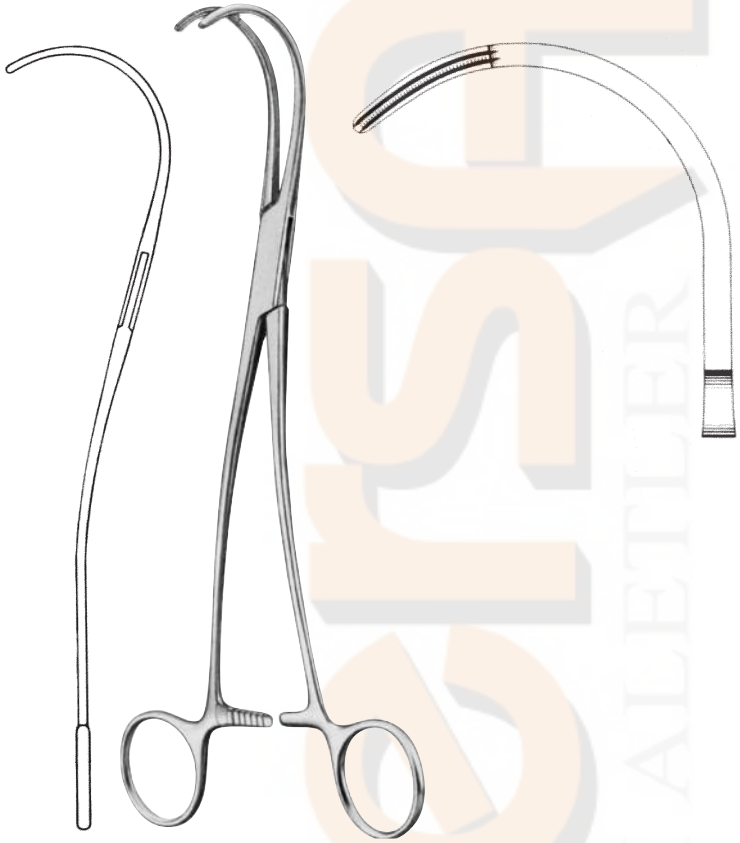
MS 112-556 24,5 cm / 9 ¾"

ATRAVMATİK



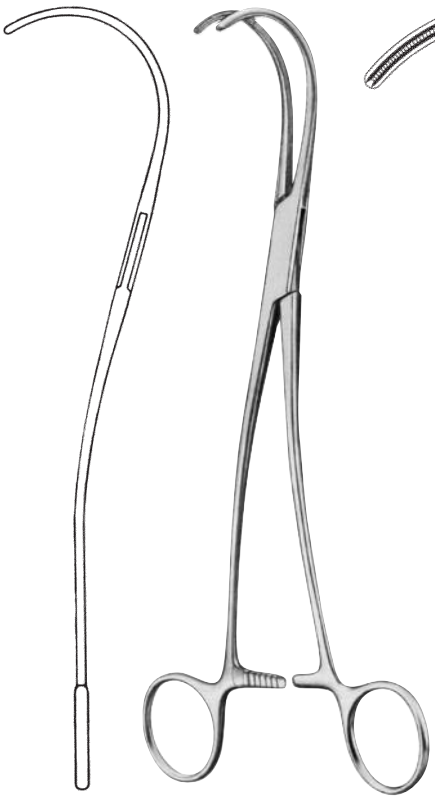
DEBAKEY

MS 112-560 24,5 cm / 9¾"



DEBAKEY

MS 112-561 27,0 cm / 10½"



DEBAKEY

MS 112-562 27,0 cm / 10½"

ATRAVMATİK

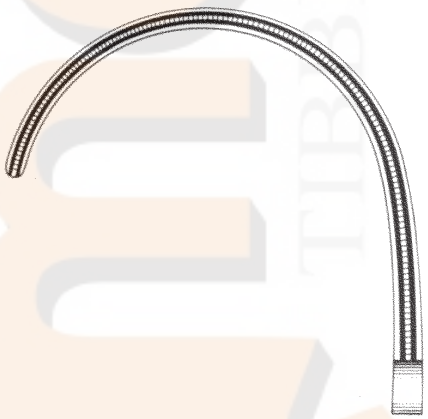




WEBER

MS 112-570 24,0 cm / 9½"





WEBER

MS 112-571 24,0 cm / 9½"

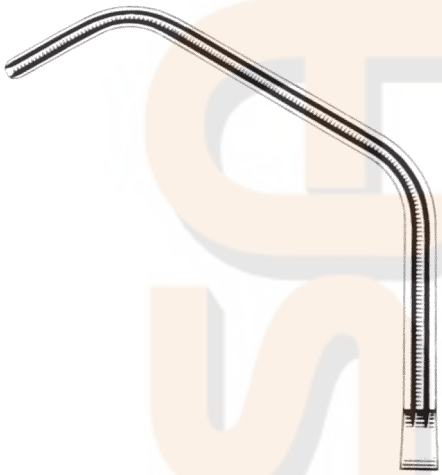
ATRAVMATİK



MS 112-575 22,0 cm / 8¾"



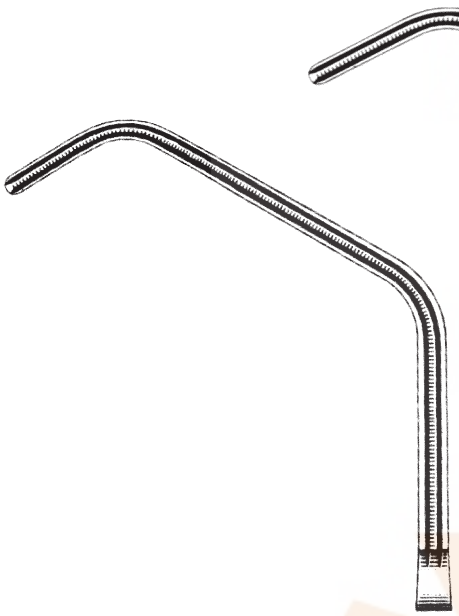
MS 112-576 26,0 cm / 10¼"



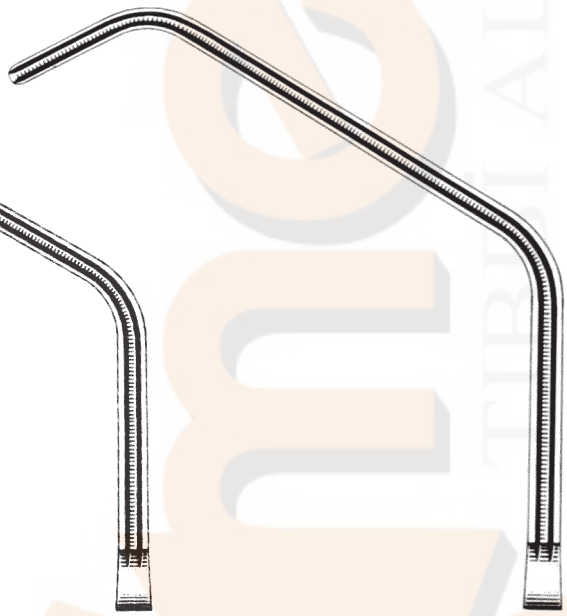
MS 112-577 26,5 cm / 10½"



SATINSKY

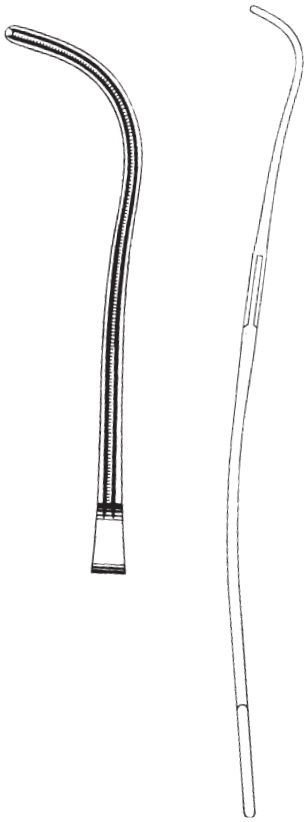


MS 112-578 27,5 cm / 10¾"

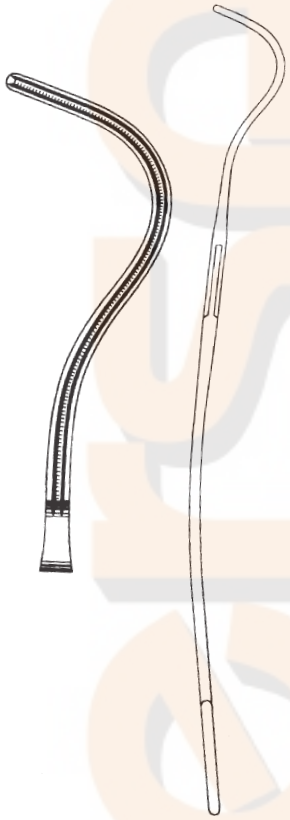


MS 112-579 28,5 cm / 11¼"

ATRAVMATİK



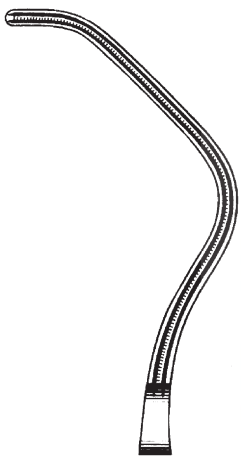
MS 112-590 24,5 cm / 9¾"



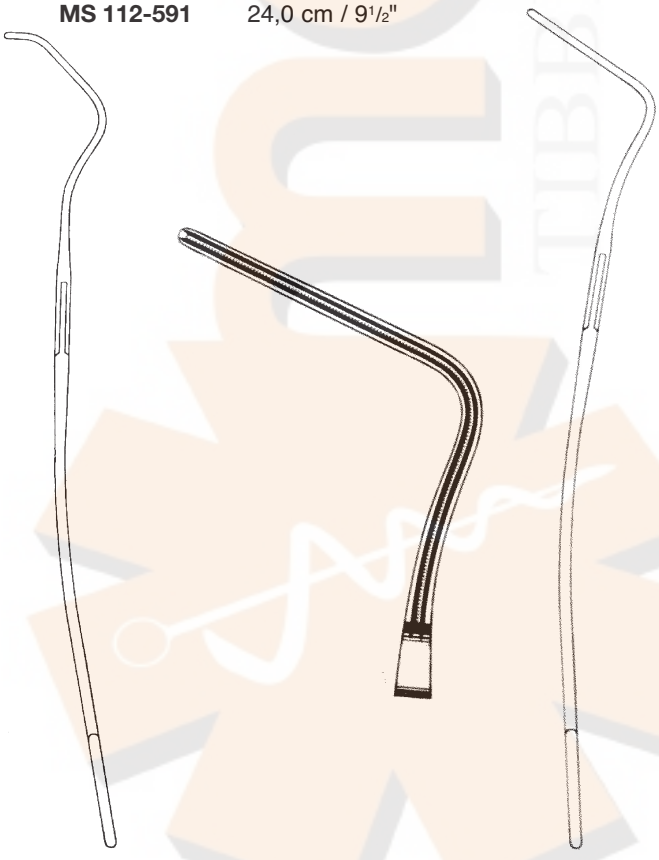
MS 112-591 24,0 cm / 9½"



HARKEN



MS 112-592 23,0 cm / 9"

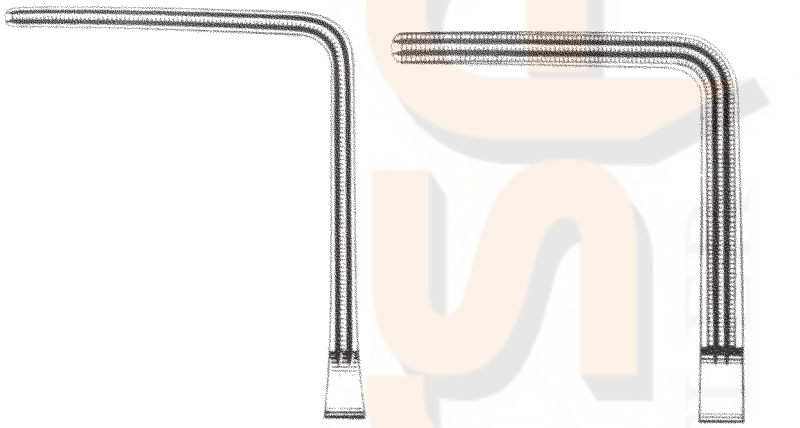


MS 112-593 23,5 cm / 9¼"

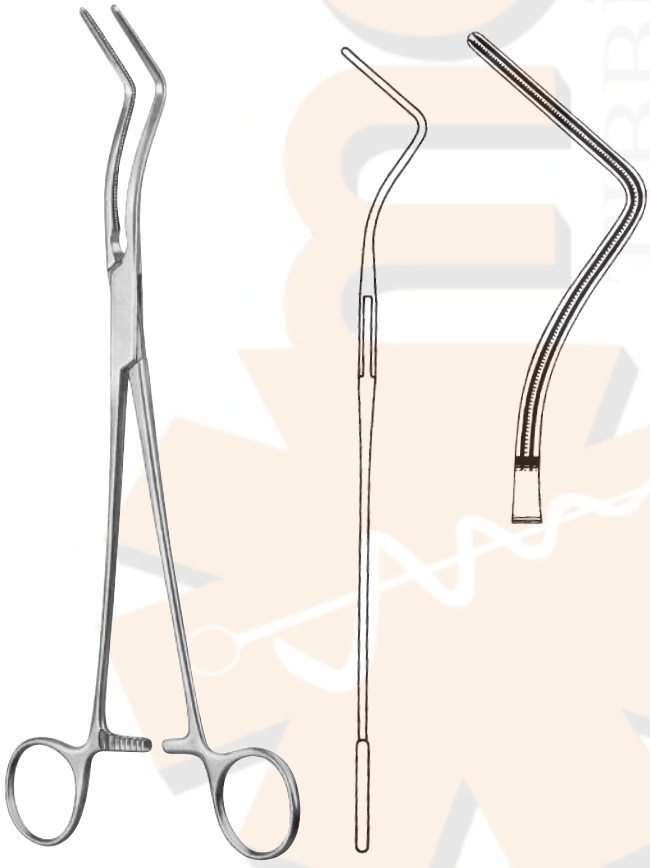
ATRAVMATİK



LEES



MS 112-600	23,0 cm / 9"	**MS 112-601**	25,5 cm / 10"



LEES

MS 112-602	25,0 cm / 9¾"

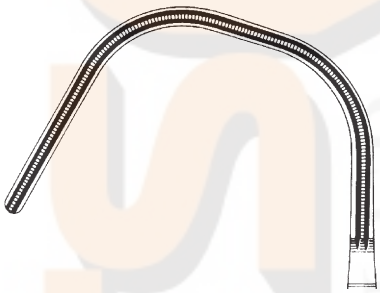
ATRAVMATİK



LAMBERT-KAY



MS 112-605
22,5 cm / 8¾"



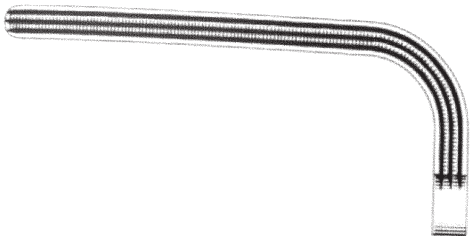
MS 112-606
22,5 cm / 8¾"



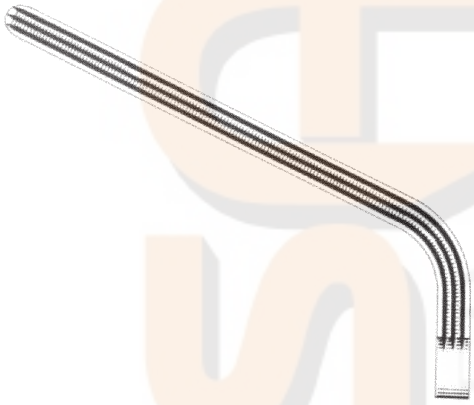
DEBAKEY

MS 112-610 17,0 cm / 6¾"

ATRAVMATİK



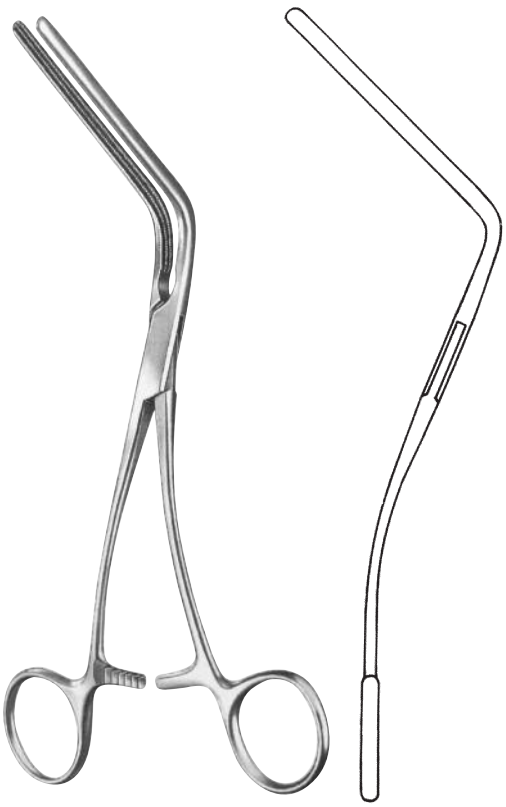
MS 112-615 18,0 cm / 7"



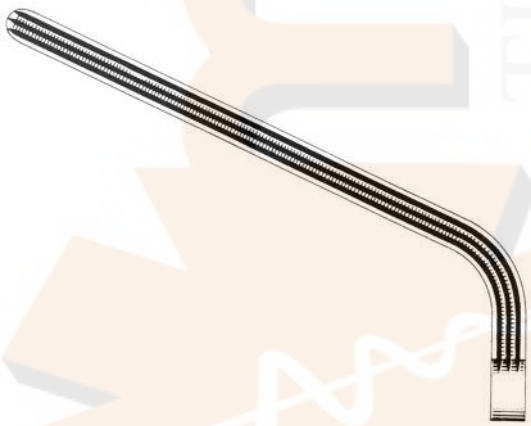
MS 112-616 20,0 cm / 8"



MS 112-617 24,0 cm / 9½"

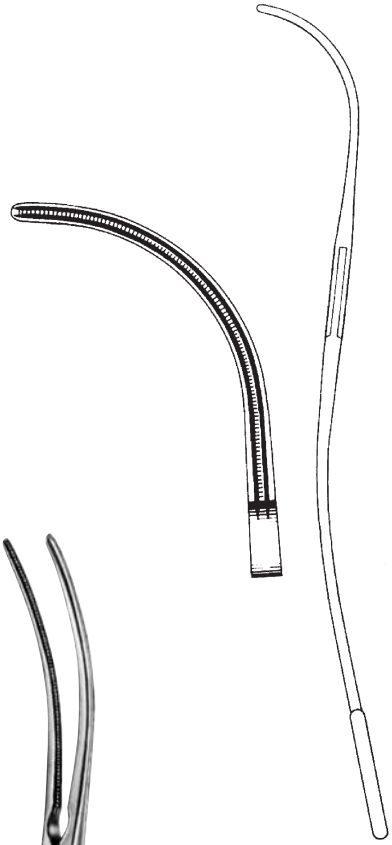


MORRIS-DEBAKEY

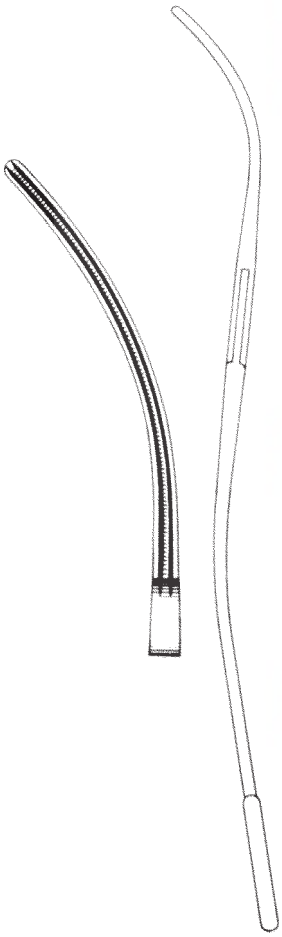


MS 112-618 26,0 cm / 10¼"

ATRAVMATİK



MS 112-625 23,5 cm / 9¼"



MS 112-626 24,5 cm / 9½"



MS 112-627 25,5 cm /10"



BAHNSON-DEBAKEY

ATRAVMATİK



POTTS



MS 112-640
21,5 cm / 8½”



MS 112-641
23,5 cm / 9¼”



MS 112-642
27,0 cm / 10¾”



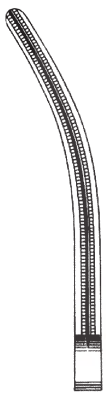
MS 112-643
31,0 cm / 12¼”



POTTS



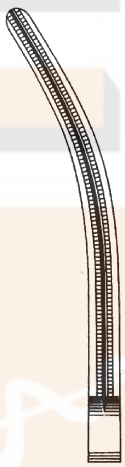
MS 112-650
21,0 cm / 8¼”



MS 112-651
23,0 cm / 9”



MS 112-652
26,0 cm / 10¼”

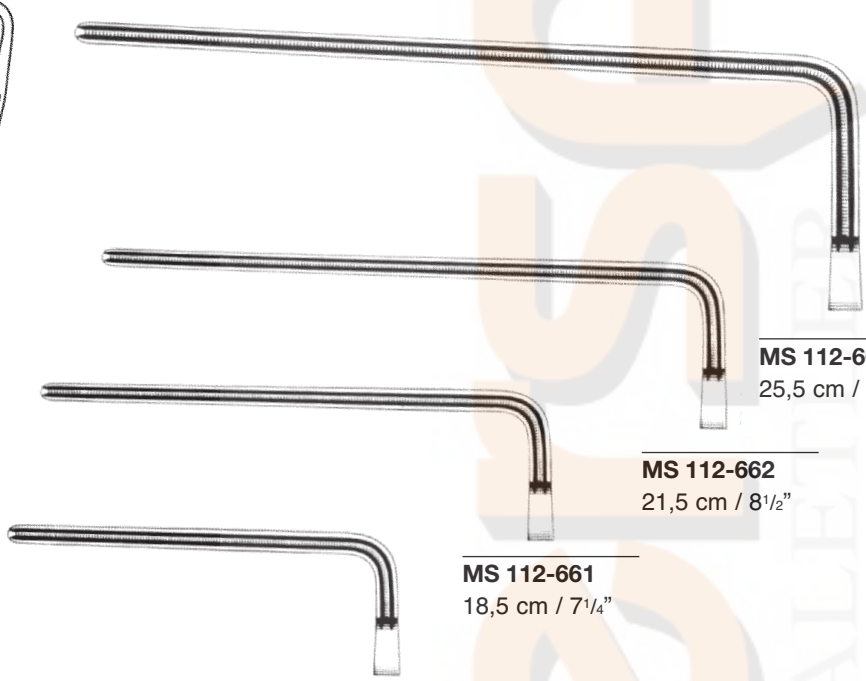


MS 112-653
30,5 cm / 12”

ATRAVMATİK



DEBAKEY



MS 112-663
25,5 cm / 10”

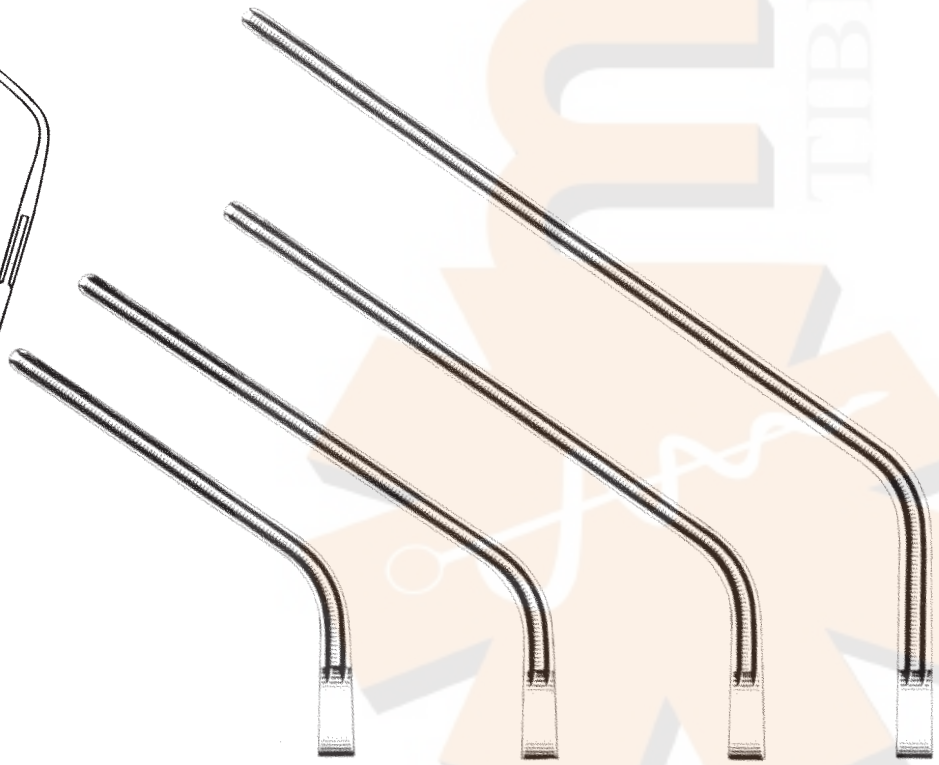
MS 112-662
21,5 cm / 8½”

MS 112-661
18,5 cm / 7¼”

MS 112-660
18,0 cm / 7”



DEBAKEY



MS 112-670
21,0 cm / 8¼”

MS 112-671
22,0 cm / 8¾”

MS 112-672
26,0 cm / 10¼”

MS 112-673
31,0 cm / 12¼”

ATRAVMATİK



DEBAKEY
MS 112-680 17,0 cm / 6¾"



DEBAKEY
MS 112-681 16,5 cm / 6½"



DEBAKEY
MS 112-682 16,0 cm / 6¼"



DEBAKEY
MS 112-683 14,5 cm / 5¾"



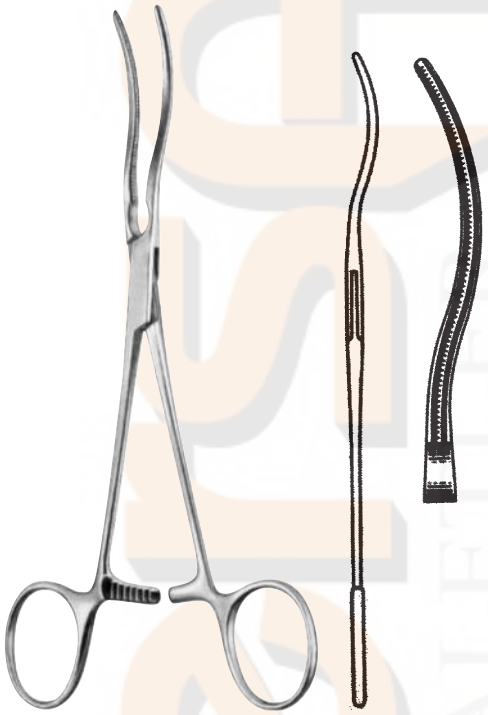
DEBAKEY
MS 112-684 16,5 cm / 6½"

ATRAVMATİK



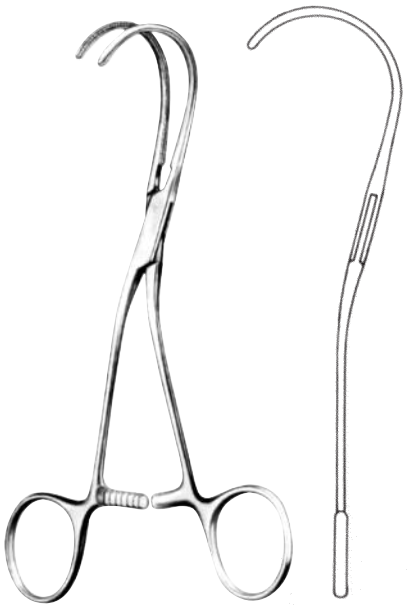
GLOVER

MS 112-690 17,0 cm / 6¾"

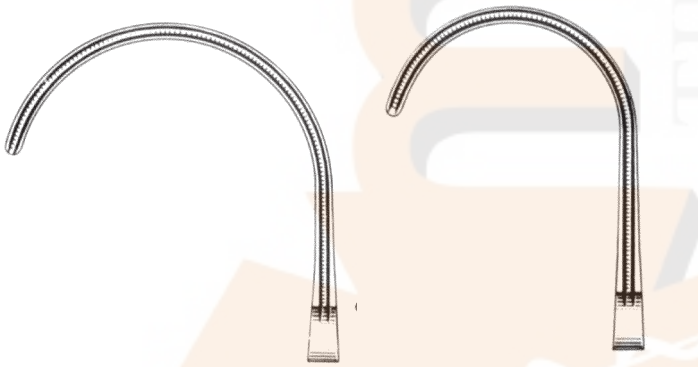


GLOVER

MS 112-691 17,5 cm / 7"



DEBAKEY



MS 112-695
16,5 cm / 6½"

MS 112-696
17,0 cm / 6¾"

ATRAVMATİK



DERRA

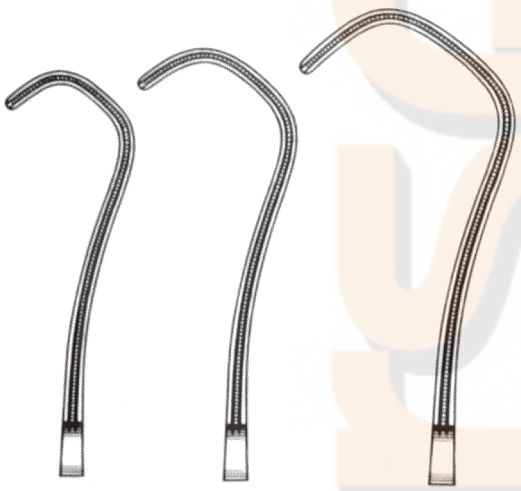


Fig. 1
MS 112-700
16,5 cm / 6½”

Fig. 2
MS 112-701
17,0 cm / 6¾”

Fig. 3
MS 112-702
18,0 cm / 7”



BECK
MS 112-710 17,0 cm / 6¾"

ATRAVMATİK



OCHSNER

MS 112-711 23,5 cm / 9¼"



DIETHRICH

MS 112-712 22,0 cm / 8¾"

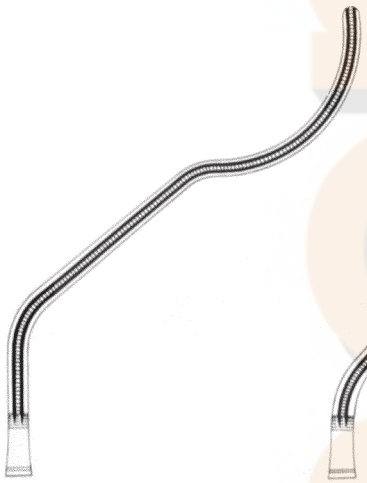
ATRAVMATİK



GREGORY



MS 112-720
14,0 cm / 5½”



MS 112-721
16,0 cm / 6¼”



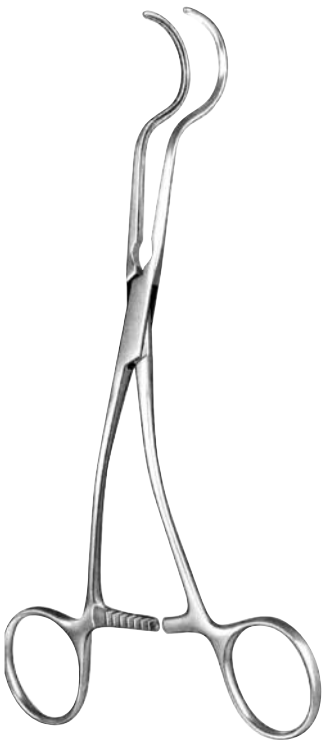
MS 112-722
18,0 cm / 7”

ATRAVMATİK

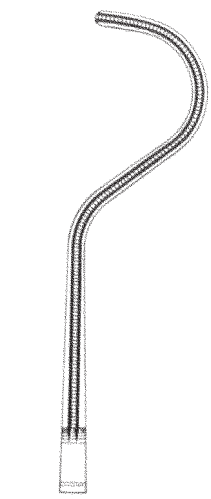


DALE

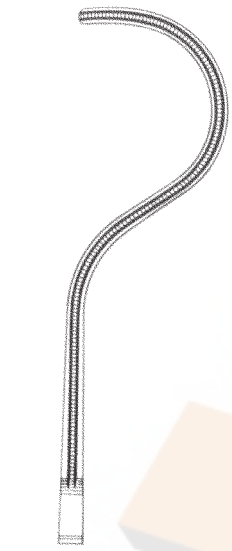
MS 112-730 18,0 cm / 7"



DALE



MS 112-731
17,5 cm / 6¾”

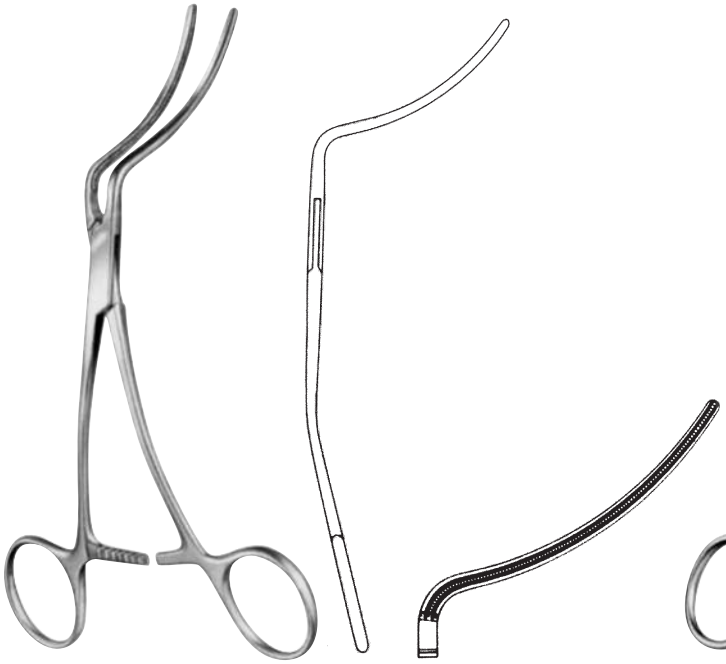


MS 112-732
18,0 cm / 7”



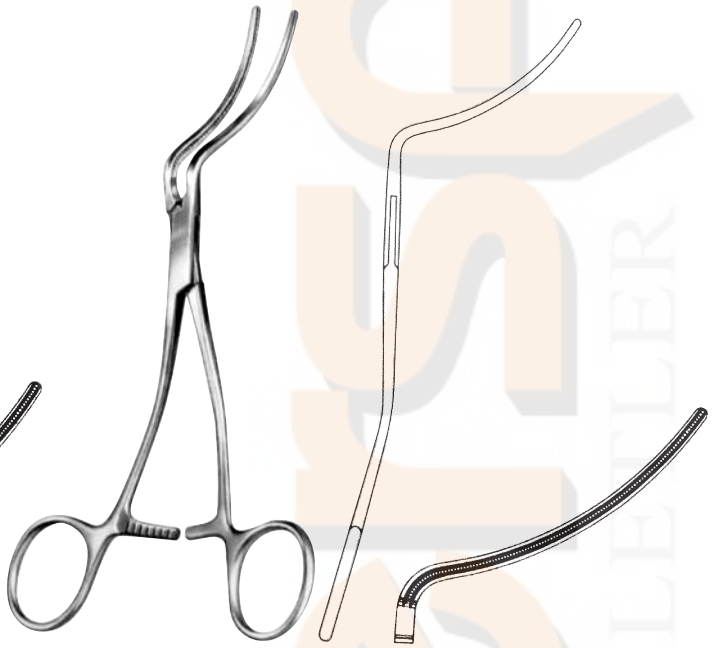
MS 112-733
19,0 cm / 7½”

ATRAVMATİK



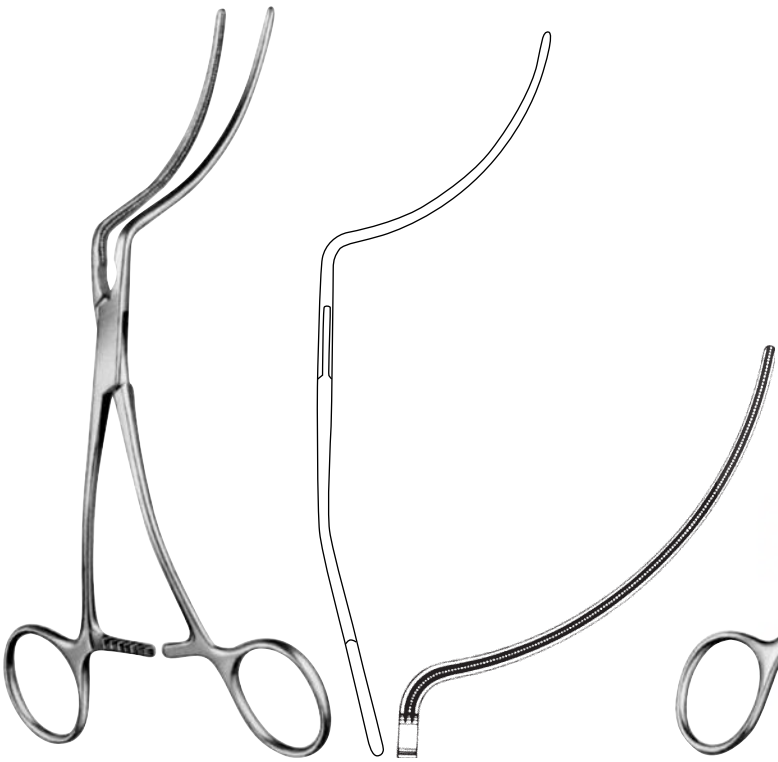
MARTIN

MS 112-740 16,0 cm / 6¼"



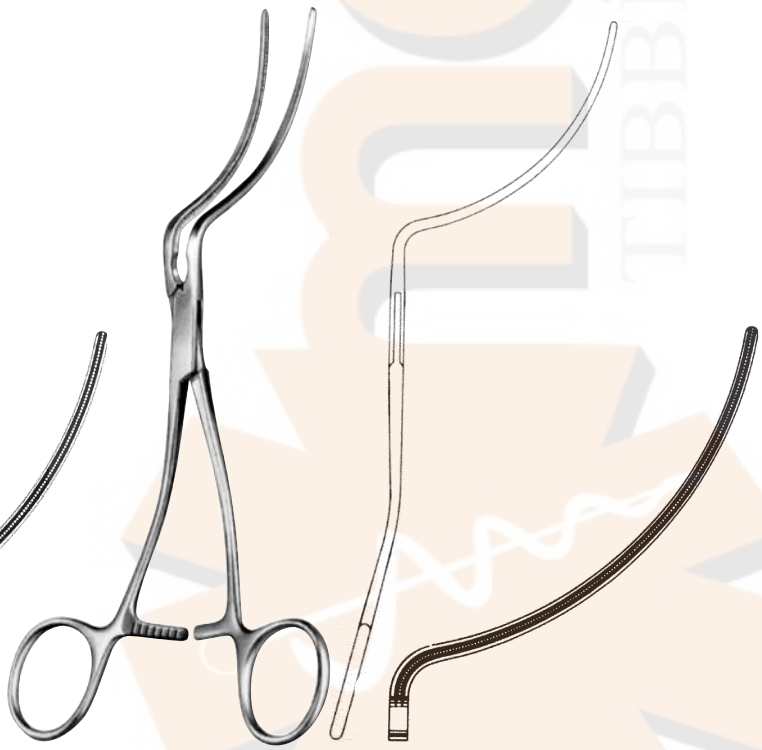
MARTIN

MS 112-741 16,5 cm / 6½"



MARTIN

MS 112-742 18,0 cm / 7"



MARTIN

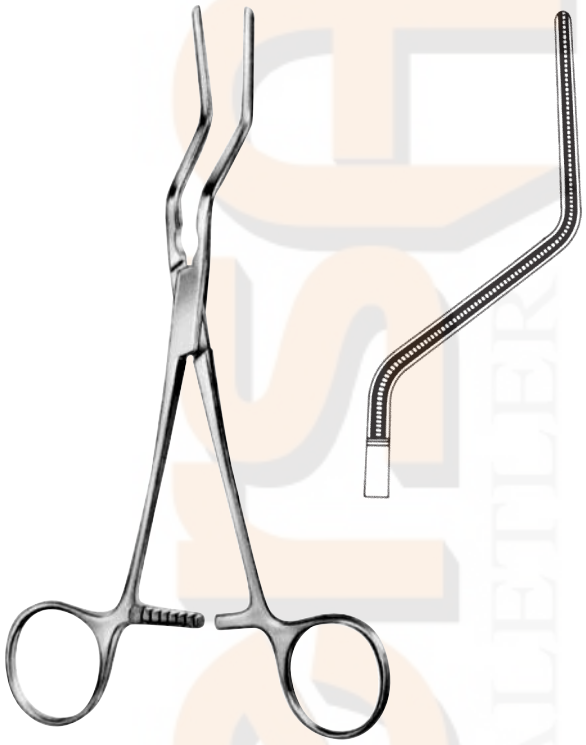
MS 112-743 19,5 cm / 7¾"

ATRAVMATİK



HUSFELDT

MS 112-750 17,5 cm / 7"



HUSFELDT

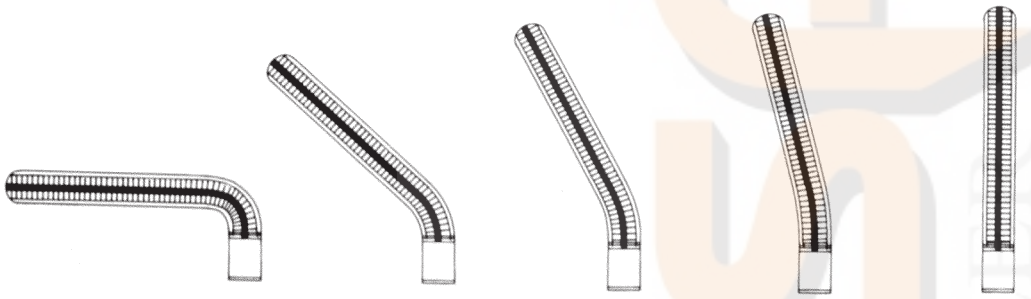
MS 112-751 18,0 cm / 7"



HUSFELDT

MS 112-752 17,0 cm / 6¾"

ATRAVMATİK



MS 112-760
15,0 cm / 5½”
90°

MS 112-761
15,0 cm / 5½”
45°

MS 112-762
15,0 cm / 5½”
30°

MS 112-763
15,0 cm / 5½”
15°

MS 112-764
15,0 cm / 5½”



MS 112-770
17,0 cm / 6½”
90°

MS 112-771
17,0 cm / 6½”
45°

MS 112-772
17,0 cm / 6½”
30°

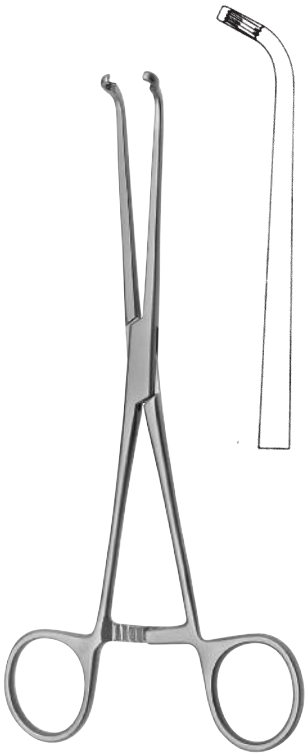
MS 112-773
17,0 cm / 6½”
15°

MS 112-774
17,0 cm / 6½”



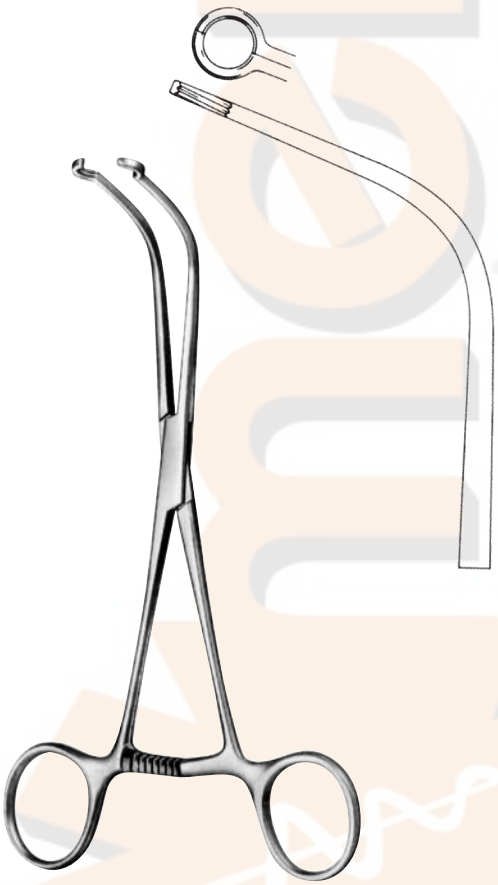
DARDIK

ATRAVMATİK



JAVID

MS 112-780 17,5 cm / 7"



JAVID

MS 112-781 19,0 cm / 7½"

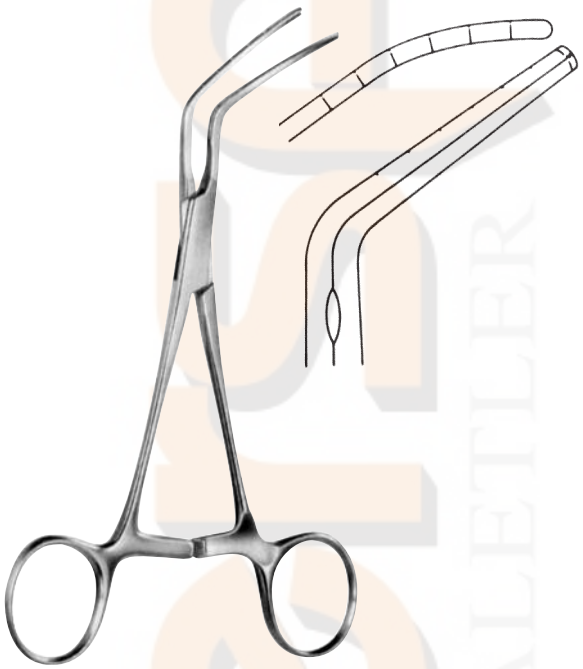
ATRAVMATİK





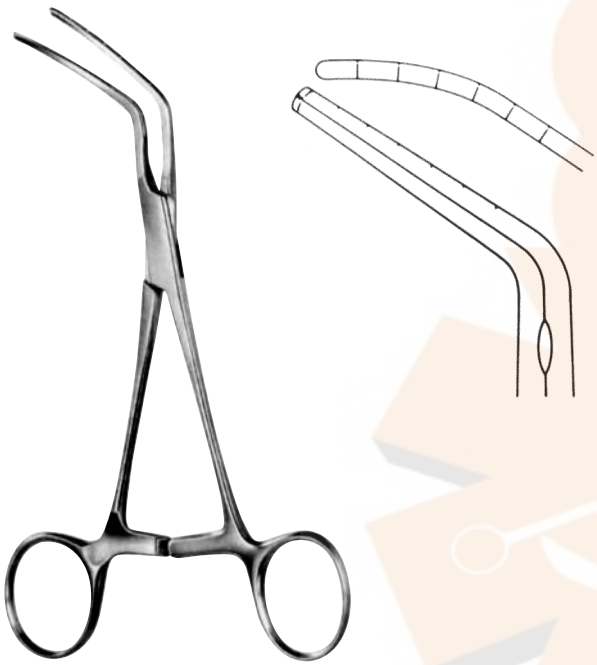
SUBRAMANIAN-MINIATURE

MS 112-790 15,5 cm / 6"



SUBRAMANIAN

MS 112-791 16,0 cm / 6¼"



SUBRAMANIAN

MS 112-792 16,0 cm / 6¼"

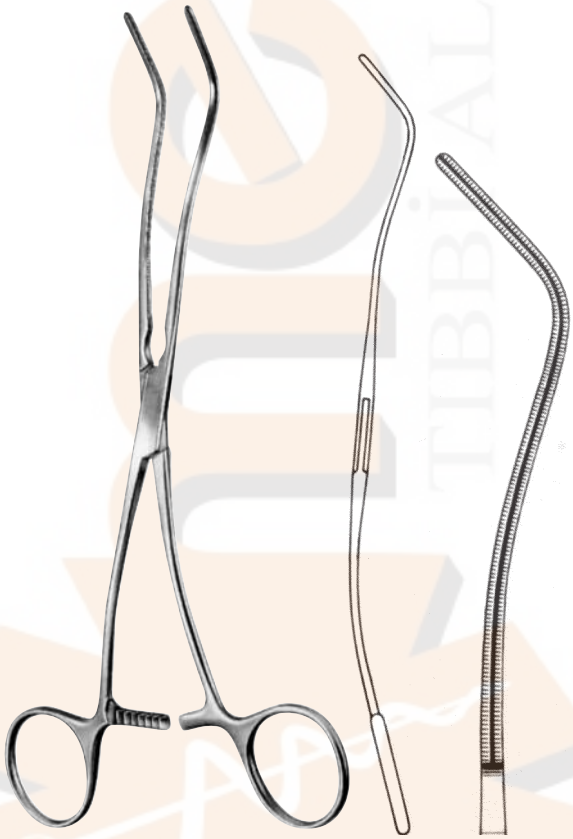
ATRAVMATİK



COOLEY
MS 112-800 17,0 cm / 6¾"

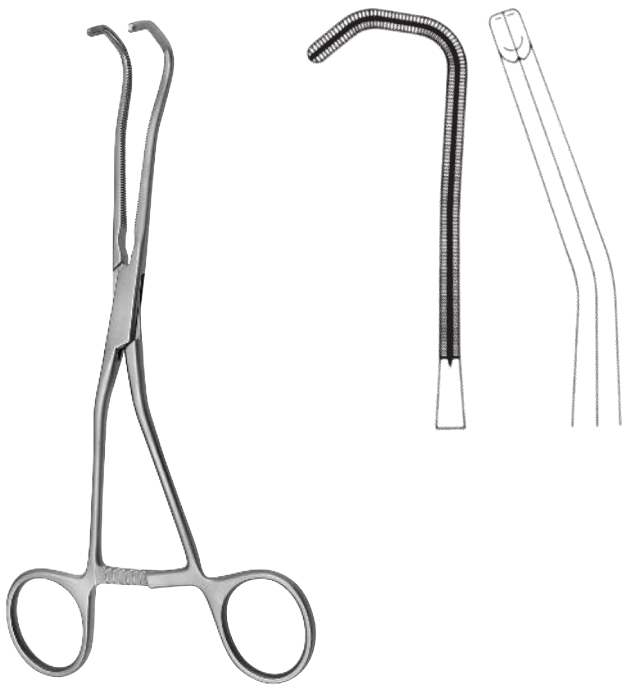


COOLEY
MS 112-801 22,0 cm / 8¾"



COOLEY
MS 112-802 20,0 cm / 8"

ATRAVMATİK



COOLEY

MS 112-803 17,0 cm / 6¾"



COOLEY

MS 112-804 16,0 cm / 6¼"



COOLEY

MS 112-805 14,0 cm / 5½"



COOLEY

MS 112-806 16,0 cm / 6¼"

ATRAVMATİK



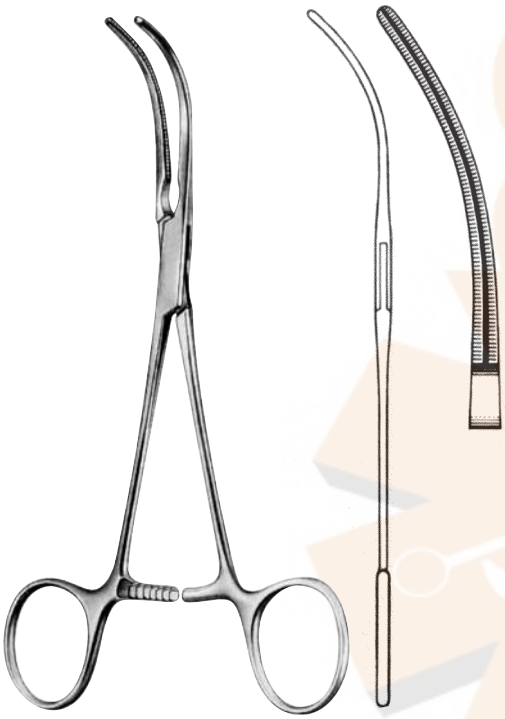
COOLEY

MS 112-807 17,0 cm / 6¾"



COOLEY

MS 112-808 17,0 cm / 6¾"



COOLEY

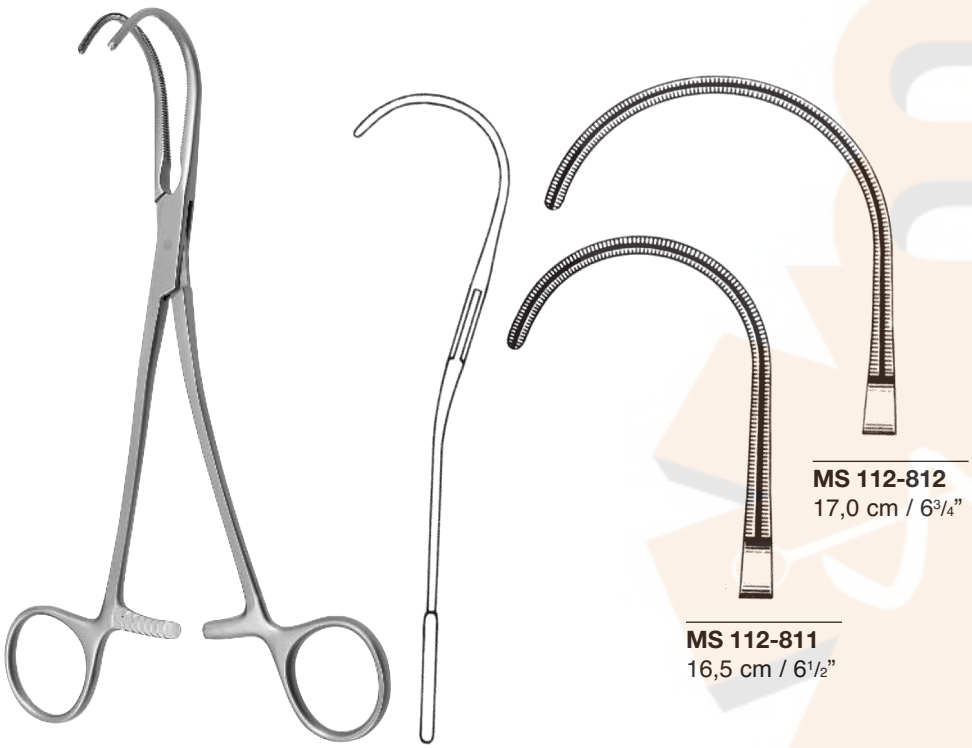
MS 112-809 17,0 cm / 6¾"

ATRAVMATİK



COOLEY

MS 112-810 17,5 cm / 7"

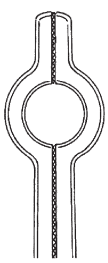


MS 112-812
17,0 cm / 6¾”

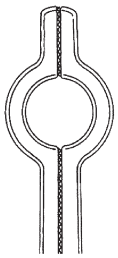
MS 112-811
16,5 cm / 6½”

COOLEY

ATRAVMATİK



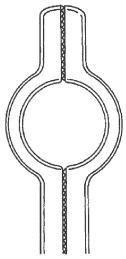
MS 112-830
16,0 cm / 6¼”
24 Charr.



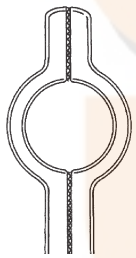
MS 112-831
16,0 cm / 6¼”
26 Charr.



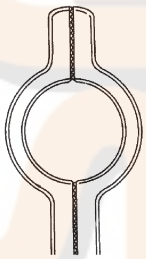
MS 112-832
20,0 cm / 8”
28 Charr.



MS 112-833
20,0 cm / 8”
30 Charr.



MS 112-834
20,0 cm / 8”
32 Charr.

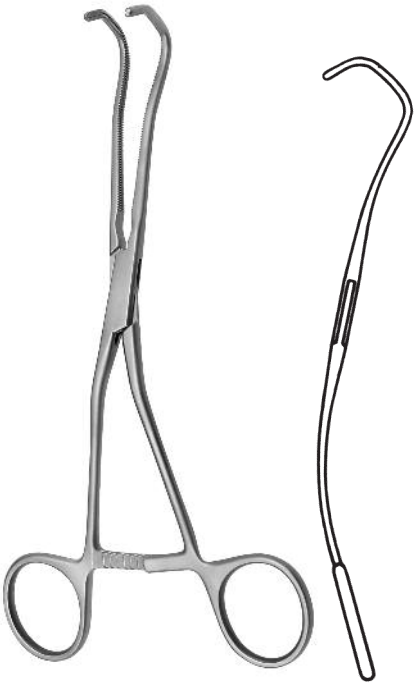


MS 112-835
20,0 cm / 8”
36 Charr.

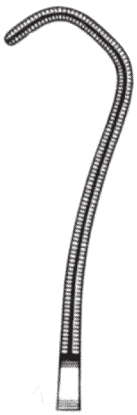


COOLEY

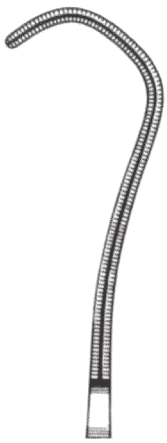
ATRAVMATİK



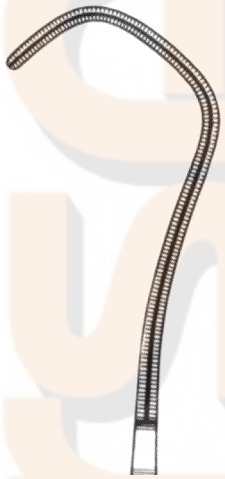
COOLEY-DERRA



MS 112-840
16,5 cm / 6½”



MS 112-841
17,0 cm / 6¾”



MS 112-842
17,5 cm / 7”



COOLEY-BECK

MS 112-850 17,0 cm / 6¾"

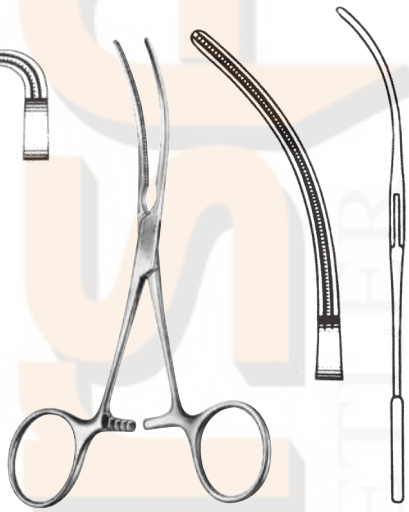
ATRAVMATİK



DEBAKEY
MS 112-860 13,0 cm / 5"



DEBAKEY
MS 112-861 10,0 cm / 4"



DEBAKEY
MS 112-862 12,5 cm / 5"



DEBAKEY
MS 112-863 12,5 cm / 5"



DEBAKEY
MS 112-864 12,5 cm / 5"

ATRAVMATİK



COOLEY
MS 112-870 16,5 cm / 6½"



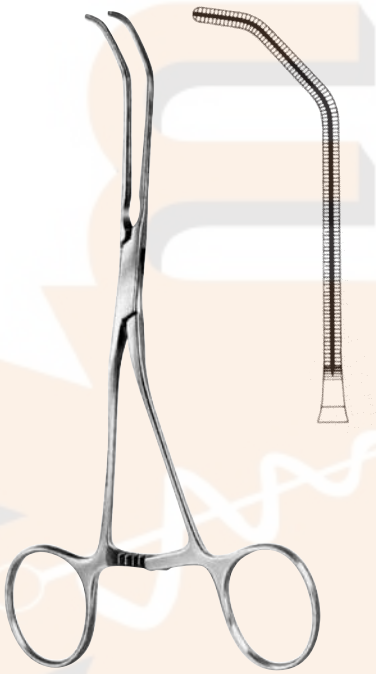
COOLEY
MS 112-871 16,0 cm / 6¼"



COOLEY
MS 112-872 15,5 cm / 6"

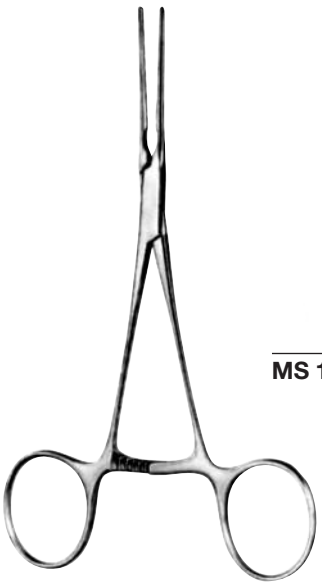


COOLEY
MS 112-873 15,5 cm / 6"

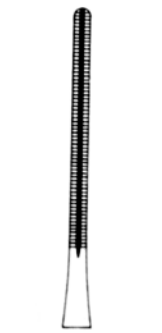


COOLEY
MS 112-874 16,0 cm / 6¼"

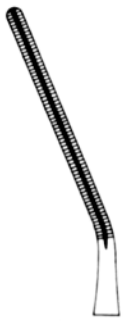
ATRAVMATİK



COOLEY
14,0 cm / 5½”



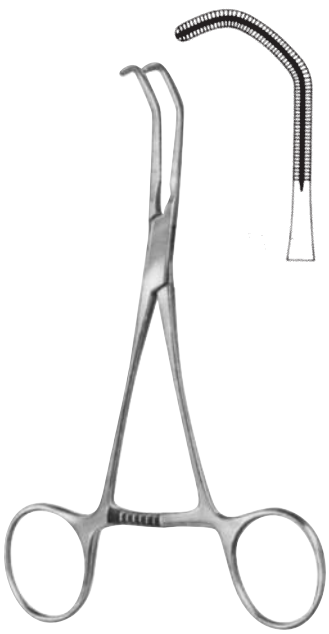
MS 112-875



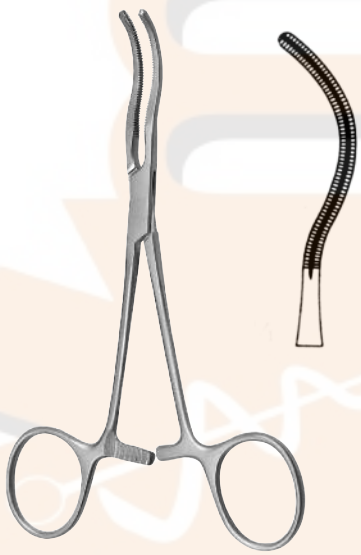
MS 112-876



COOLEY
MS 112-877 14,0 cm / 5½"



COOLEY
MS 112-878 14,0 cm / 5½"



COOLEY
MS 112-879 14,0 cm / 5½"

ATRAVMATİK



Fig.1
MS 112-890
13,5 cm / 5¼”

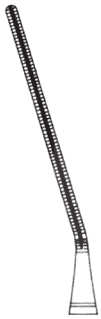


Fig.2
MS 112-891
13,5 cm / 5¼”



Fig.3
MS 112-892
14,0 cm / 5½”

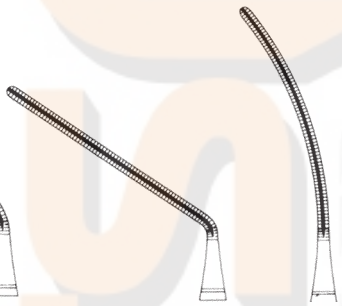


Fig.4
MS 112-893
13,5 cm / 5¼”

Fig.5
MS 112-894
13,5 cm / 5¼”



Fig.6
MS 112-895
12,5 cm / 5”

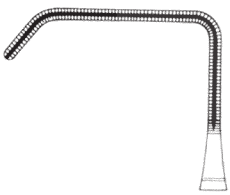


Fig.7
MS 112-896
13,0 cm / 5”

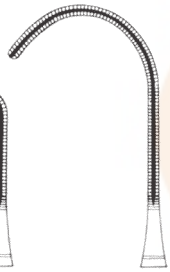


Fig.8
MS 112-897
13,5 cm / 5¼”

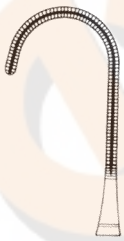
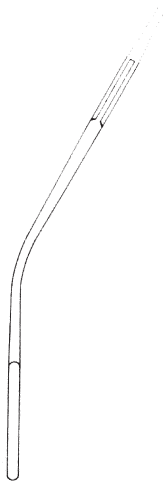


Fig.9
MS 112-898
13,0 cm / 5”





COOLEY

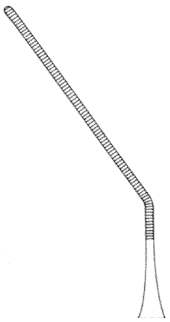


Fig.1
MS 112-910
12,5 cm / 5”

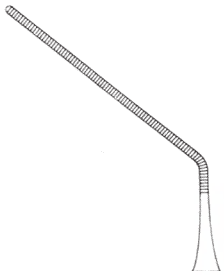


Fig.2
MS 112-911
11,5 cm / 4½”



Fig.3
MS 112-912
11,0 cm / 4¼”

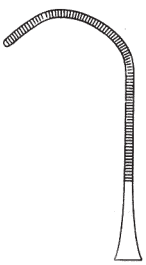


Fig.1
MS 112-920
11,5 cm / 4½”

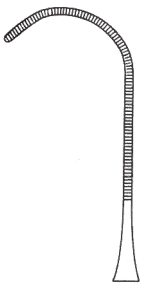


Fig.2
MS 112-921
12,0 cm / 4¾”

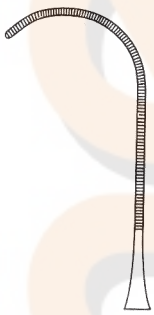


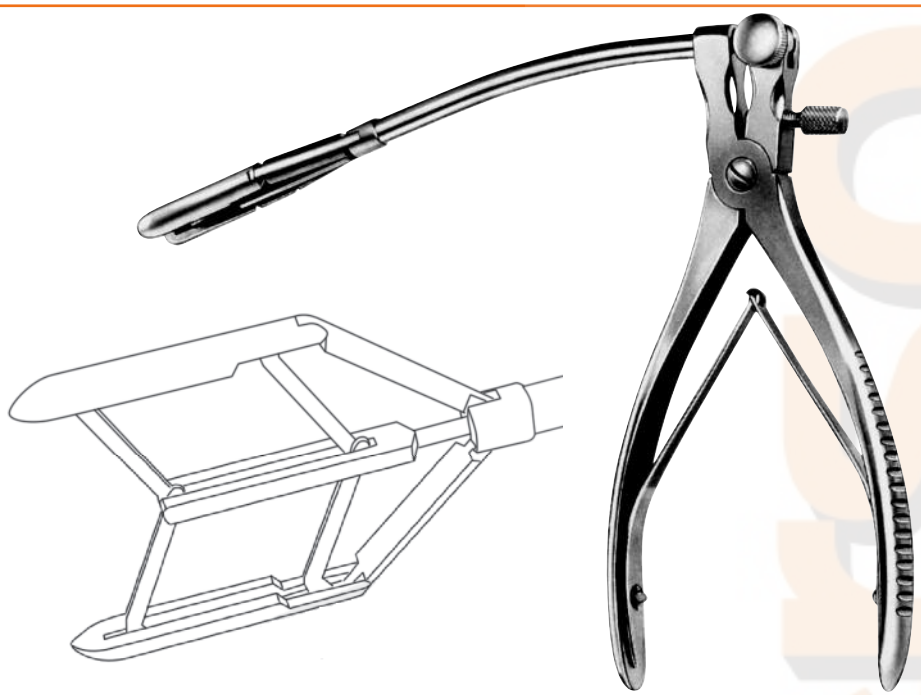
Fig.3
MS 112-922
12,0 cm / 4¾”



Fig.4
MS 112-923
12,0 cm / 4¾”

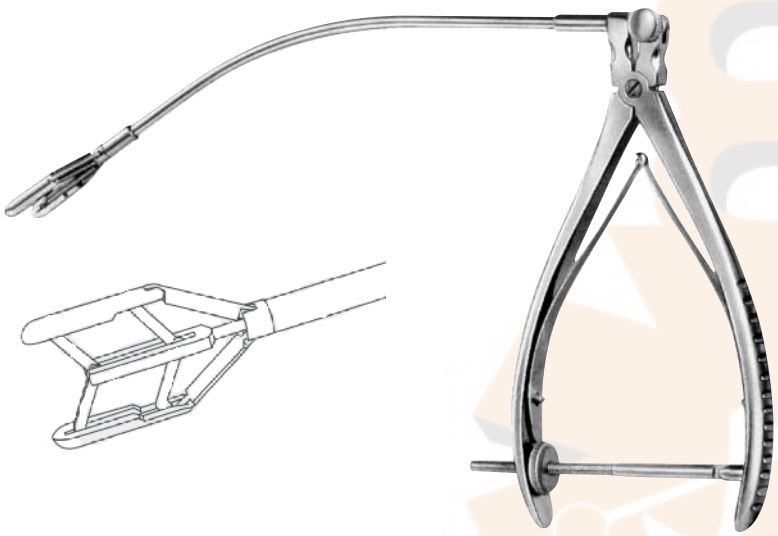


CASTAÑEDA



TUBBS

MS 112-930
8-42 mm



COOLEY

MS 112-931
8-15 mm



COOLEY
13,0 cm / 5”

MS 112-940
0,5 mm Ø



MS 112-941
1,0 mm Ø



MS 112-942
1,5 mm Ø



MS 112-943
2,0 mm Ø



MS 112-944
2,5 mm Ø



MS 112-945
3,0 mm Ø



MS 112-946
4,0 mm Ø



MS 112-947
5,0 mm Ø



DEBAKEY
19,0 cm / 7½”

MS 112-960
0,5 mm Ø



MS 112-961
1,0 mm Ø



MS 112-962
1,5 mm Ø



MS 112-963
2,0 mm Ø



MS 112-964
2,5 mm Ø



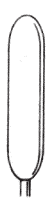
MS 112-965
3,0 mm Ø



MS 112-966
3,5 mm Ø



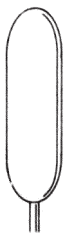
MS 112-967
4,0 mm Ø



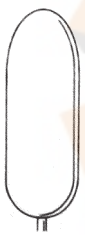
MS 112-968
4,5 mm Ø



MS 112-969
5,0 mm Ø



MS 112-970
7,0 mm Ø



MS 112-971
9,0 mm Ø



DEBAKEY
35,0 cm / 13¾”

MS 112-980
0,5 mm Ø



MS 112-981
1,0 mm Ø



MS 112-982
1,5 mm Ø



MS 112-983
2,0 mm Ø



MS 112-984
2,5 mm Ø



MS 112-985
3,0 mm Ø



MS 112-986
3,5 mm Ø



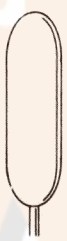
MS 112-987
4,0 mm Ø



MS 112-988
4,5 mm Ø



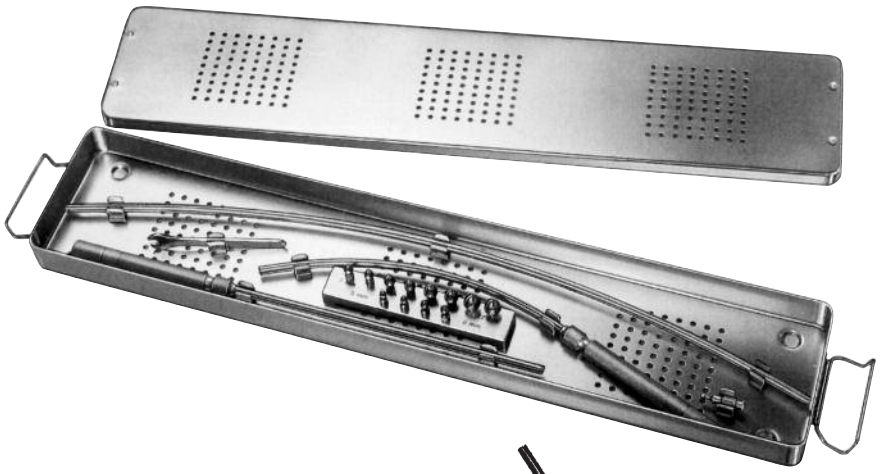
MS 112-989
5,0 mm Ø



MS 112-990
7,0 mm Ø



MS 112-990
9,0 mm Ø



MARTIN
MS 112-1000

Komple set
complete set

MS 112-1005

Destek başlıkları
Plate for Tips

MS 112-1010

Metal Kase
Metal Case



MS 112-1015
12,5 cm / 5”

MS 112-1016
24,5 cm

MS 112-1017
24,5 cm

MS 112-1023

MS 112-1024

MS 112-1025
10,0 cm / 4”

MS 112-1018
55,5 cm



MS 112-1019
6,0 mm Ø



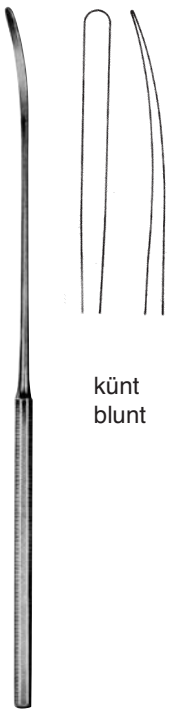
MS 112-1020
8,0 mm Ø



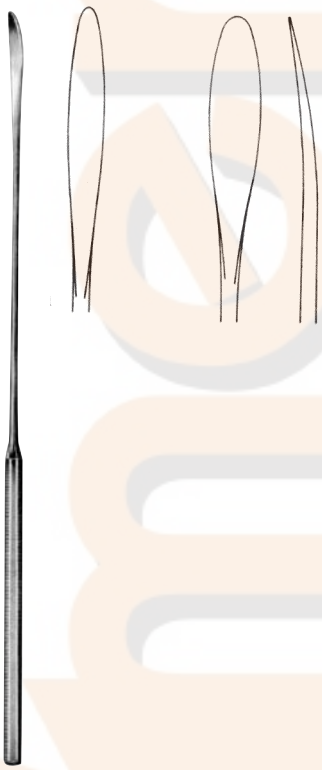
MS 112-1021
10,0 mm Ø



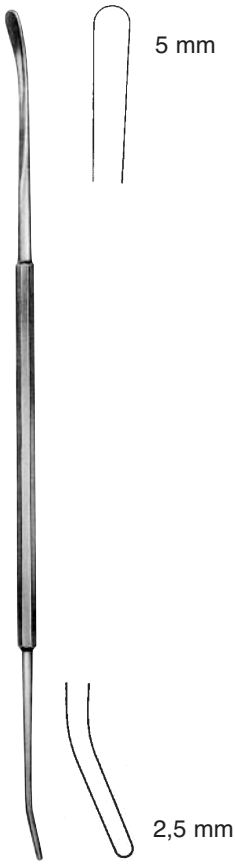
MS 112-1022
12,0 mm Ø



künt
blunt



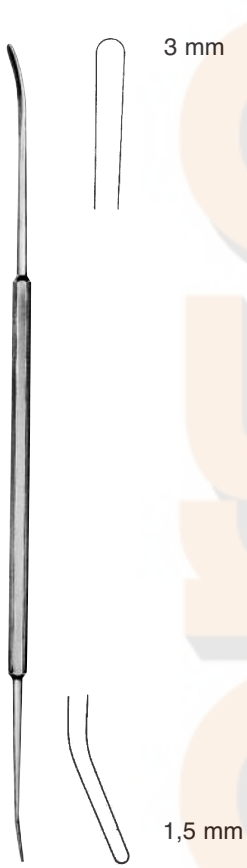
MS 112-1040	18,5 cm / 7¼"	**MS 112-1042**	14,0 cm / 5½"
MS 112-1041	21,5 cm / 8½"	**MS 112-1043**	23,5 cm / 9¼"



ROBB
MS 112-1050 24,0 cm / 9½"
Fig. 1



ROBB
MS 112-1051 24,0 cm / 9½"
Fig. 2



ROBB
MS 112-1052 24,0 cm / 9½"
Fig. 3



ROBB
MS 112-1053 24,0 cm / 9½"
Fig. 4



CRILE
MS 112-1060 20,0 cm / 8"



CRILE
MS 112-1061 20,5 cm / 10¼"



26,0 cm / 10"



MS 112-1070
1,5 mm



MS 112-1071
2,0 mm



MS 112-1072
2,5 mm



MS 112-1073
3,0 mm



RUMEL-BELMONT

MS 112-1080	27,0 cm / 10¾"	3,2 mm Ø
MS 112-1081	33,0 cm / 13"	6,4 mm Ø

mersa
TIBBİ ALETLER

113



JİNEKOLOJİ
GYNECOLOGY



CUSCO

MS 113-101	90x22 mm
MS 113-102	100x25 mm
MS 113-103	105x27 mm



CUSCO

MS 113-110	75x17 mm



CUSCO

MS 113-115	75x32 mm
MS 113-116	85x35 mm
MS 113-117	100x37 mm



CUSCO

MS 113-130	75x32 mm
MS 113-131	85x35 mm
MS 113-132	100x35 mm



CUSCO STANDART

MS 113-140	80x24 mm
MS 113-141	80x32 mm
MS 113-142	90x36 mm
MS 113-143	110x37 mm



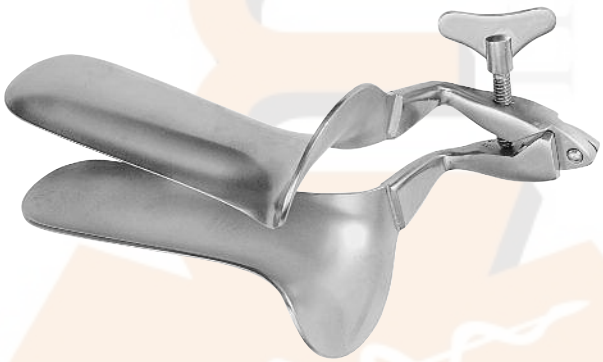
COLLIN

MS 113-150	55x10 mm



COLLIN

MS 113-151	55x10 mm
MS 113-152	65x20 mm



COLLIN

MS 113-160	85x30 mm
MS 113-161	100x35 mm
MS 113-162	110x40 mm



GRAVE

MS 113-170	75x20 mm
MS 113-171	95x35 mm
MS 113-172	115x35 mm



PEDERSON

MS 113-180	75x13 mm
MS 113-181	100x22 mm
MS 113-182	120x25 mm



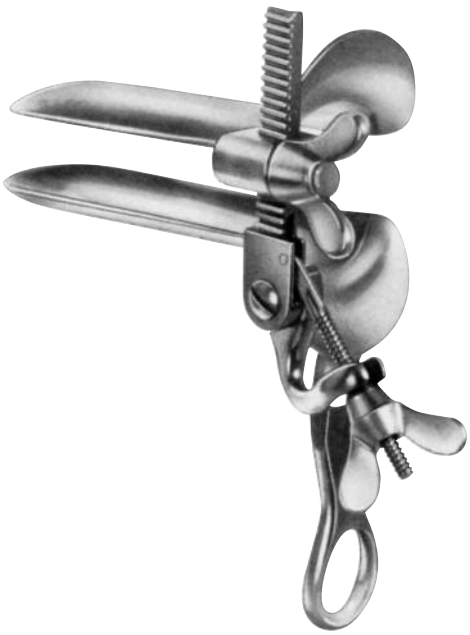
SEMM

MS 113-190	90x14-18 mm
MS 113-191	100x17-20 mm
MS 113-192	100x25-30 mm



SEYFFERT

MS 113-200	100x17 mm	Fig.1
MS 113-201	110x33 mm	Fig.2



TRELAT

MS 113-210	85x33 mm	Fig.1
MS 113-211	95x35 mm	Fig.2
MS 113-212	115x43 mm	Fig.3



JACKSON

MS 113-220	75x35 mm	Fig.1
MS 113-221	90x35 mm	Fig.2
MS 113-222	100x35 mm	Fig.3



JACKSON

MS 113-230	75x40 mm	Fig.1
MS 113-231	90x40 mm	Fig.2
MS 113-232	100x40 mm	Fig.3



EASTMAN

MS 113-240	75x35 mm	Fig.1
MS 113-241	90x35 mm	Fig.2
MS 113-242	100x35 mm	Fig.3



EASTMAN

MS 113-250	75x40 mm	Fig.1
MS 113-251	90x40 mm	Fig.2
MS 113-252	100x40 mm	Fig.3



SIMS

MS 113-260



SIMS

MS 113-261 12,5 cm / 5"



SIMS

MS 113-262 15,0 cm / 6"



SIMS

MS 113-263 17,5 cm / 7"



SIMS

MS 113-270	Fig.1	70x25 mm
MS 113-271	Fig.2	85x30 mm
MS 113-272	Fig.3	100x40 mm



KRISTELLER

MS 113-280	70x27 mm
MS 113-281	75x30 mm
MS 113-282	90x36 mm



KRISTELLER

MS 113-290	75x23 mm
MS 113-291	80x26 mm
MS 113-292	95x32 mm



KRISTELLER

MS 113-300	70x27 mm + 75x23 mm
MS 113-301	75x30 mm + 80x26 mm
MS 113-302	90x36 mm + 95x32 mm



KRISTELLER

MS 113-310	110x27 mm
MS 113-311	110x30 mm
MS 113-312	110x36 mm



KRISTELLER

MS 113-320	115x23 mm
MS 113-321	115x26 mm
MS 113-322	115x32 mm



KRISTELLER

MS 113-330	110x27 mm + 115x23 mm
MS 113-331	110x30 mm + 115x26 mm
MS 113-332	110x36 mm + 115x32 mm



KRISTELLER

MS 113-340	110x27 mm
MS 113-341	110x30 mm
MS 113-342	110x36 mm



KRISTELLER

MS 113-350	115x23 mm
MS 113-351	115x26 mm
MS 113-352	115x32 mm



KRISTELLER

MS 113-360	110x27 mm + 115x23 mm
MS 113-361	110x30 mm + 115x26 mm
MS 113-362	110x36 mm + 115x32 mm



KRISTELLER

MS 113-370	110x18 mm
MS 113-371	110x21 mm



KRISTELLER

MS 113-375	115x14 mm
MS 113-376	115x17 mm



KRISTELLER

MS 113-380	110x18 mm + 115x14 mm
MS 113-381	110x21 mm + 115x17 mm



KRISTELLER

MS 113-390 130x40 mm



KRISTELLER

MS 113-395 135x36 mm



KRISTELLER

MS 113-400 130x40 mm + 135x36 mm



KRISTELLER

MS 113-410 70x15 mm



KRISTELLER

MS 113-415 75x10 mm



KRISTELLER

MS 113-420 70x15 mm + 75x10 mm



KALLMORGEN

MS 113-430	70x40 mm
MS 113-431	90x40 mm



KALLMORGEN

MS 113-435	70x33 mm
MS 113-436	90x33 mm



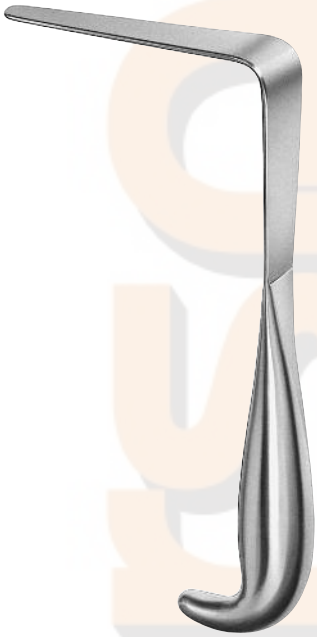
KALLMORGEN

MS 113-440	70x40 mm + 70x33 mm
MS 113-441	90x40 mm + 90x33 mm



MATHIEU

MS 113-450	95x16-26 mm
MS 113-451	95x16-30 mm



MATHIEU

MS 113-455	100x11/21 mm
MS 113-456	100x14/27 mm



DOYEN

MS 113-460	55x35	mm	Fig.1	24,0 cm / 9½"
MS 113-461	85x35	mm	Fig.2	24,0 cm / 9½"
MS 113-462	115x35	mm	Fig.3	24,0 cm / 9½"
MS 113-470	55x45	mm	Fig.1	24,0 cm / 9½"
MS 113-471	85x45	mm	Fig.2	24,0 cm / 9½"
MS 113-472	115x45	mm	Fig.3	24,0 cm / 9½"
MS 113-473	160x45	mm	Fig.4	24,0 cm / 9½"
MS 113-480	55x60	mm	Fig.1	24,0 cm / 9½"
MS 113-481	85x60	mm	Fig.2	24,0 cm / 9½"
MS 113-482	115x60	mm	Fig.3	24,0 cm / 9½"
MS 113-483	160x60	mm	Fig.4	24,0 cm / 9½"



MS 113-491

Sadece sap
Handle only

MS 113-497 400g
MS 113-498 800g

Ağırlık
Weight

SCHERBACK

MS 113-490

Komple set
complete

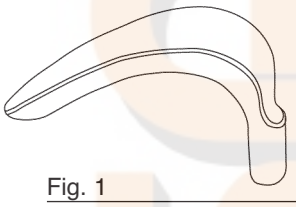


Fig. 1
MS 113-492 80x30 mm

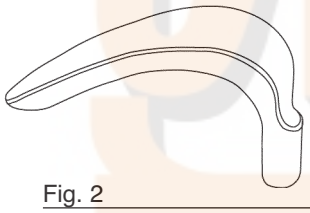


Fig. 2
MS 113-493 85x35 mm

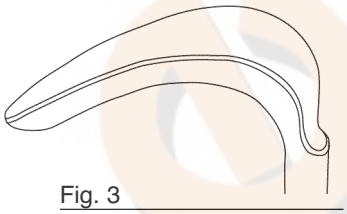


Fig. 3
MS 113-494 90x40 mm

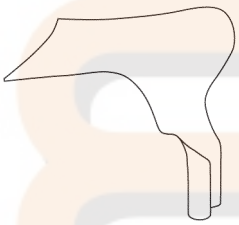


Fig. 4
MS 113-495 55x40/60 mm

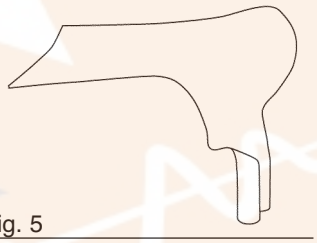


Fig. 5
MS 113-496 70x45/70 mm



AUVARD

MS 113-510 90x45 mm



AUVARD

MS 113-511 80x38 mm



80x42 mm

WEISSBARTH

MS 113-512 21,0 cm / 8¼"







BREISKY

MS 113-520	100x20 mm	30,0 cm / 12"
MS 113-521	100x25 mm	30,0 cm / 12"
MS 113-522	100x30 mm	30,0 cm / 12"
MS 113-523	100x35 mm	30,0 cm / 12"
MS 113-524	100x40 mm	30,0 cm / 12"
MS 113-530	130x20 mm	32,0 cm / 12¾"
MS 113-531	130x25 mm	32,0 cm / 12¾"
MS 113-532	130x30 mm	32,0 cm / 12¾"
MS 113-533	130x35 mm	32,0 cm / 12¾"
MS 113-534	130x40 mm	32,0 cm / 12¾"
MS 113-540	155x40 mm	35,0 cm / 14"

LANDAU

MS 113-550	100x28 mm	29,0 cm / 11½"
MS 113-551	100x38 mm	29,0 cm / 11½"

DOYEN

MS 113-555	25,0 cm / 9"



HEGAR

MS 113-570	Ø 1,0 mm	18,5 cm / 7¼"
MS 113-571	Ø 2,0 mm	18,5 cm / 7¼"
MS 113-572	Ø 3,0 mm	18,5 cm / 7¼"
MS 113-573	Ø 4,0 mm	18,5 cm / 7¼"
MS 113-574	Ø 5,0 mm	18,5 cm / 7¼"
MS 113-575	Ø 6,0 mm	18,5 cm / 7¼"
MS 113-576	Ø 7,0 mm	18,5 cm / 7¼"
MS 113-577	Ø 8,0 mm	18,5 cm / 7¼"
MS 113-578	Ø 9,0 mm	18,5 cm / 7¼"
MS 113-579	Ø 10,0 mm	18,5 cm / 7¼"
MS 113-580	Ø 11,0 mm	18,5 cm / 7¼"
MS 113-581	Ø 12,0 mm	18,5 cm / 7¼"
MS 113-582	Ø 13,0 mm	18,5 cm / 7¼"
MS 113-583	Ø 14,0 mm	18,5 cm / 7¼"
MS 113-584	Ø 15,0 mm	18,5 cm / 7¼"
MS 113-585	Ø 16,0 mm	18,5 cm / 7¼"
MS 113-587	Ø 17,0 mm	18,5 cm / 7¼"
MS 113-588	Ø 18,0 mm	18,5 cm / 7¼"
MS 113-589	Ø 19,0 mm	18,5 cm / 7¼"
MS 113-590	Ø 20,0 mm	18,5 cm / 7¼"
MS 113-591	Ø 21,0 mm	18,5 cm / 7¼"
MS 113-592	Ø 22,0 mm	18,5 cm / 7¼"
MS 113-593	Ø 23,0 mm	18,5 cm / 7¼"
MS 113-594	Ø 24,0 mm	18,5 cm / 7¼"
MS 113-595	Ø 25,0 mm	18,5 cm / 7¼"
MS 113-596	Ø 26,0 mm	18,5 cm / 7¼"
MS 113-597	Ø 27,0 mm	18,5 cm / 7¼"
MS 113-598	Ø 28,0 mm	18,5 cm / 7¼"
MS 113-599	Ø 29,0 mm	18,5 cm / 7¼"
MS 113-600	Ø 30,0 mm	18,5 cm / 7¼"



HEGAR

MS 113-620	Ø 1,5 mm	18,5 cm / 7¼"
MS 113-621	Ø 2,5 mm	18,5 cm / 7¼"
MS 113-622	Ø 3,5 mm	18,5 cm / 7¼"
MS 113-623	Ø 4,5 mm	18,5 cm / 7¼"
MS 113-624	Ø 5,5 mm	18,5 cm / 7¼"
MS 113-625	Ø 6,5 mm	18,5 cm / 7¼"
MS 113-626	Ø 7,5 mm	18,5 cm / 7¼"
MS 113-627	Ø 8,5 mm	18,5 cm / 7¼"
MS 113-628	Ø 9,5 mm	18,5 cm / 7¼"
MS 113-629	Ø 10,5 mm	18,5 cm / 7¼"
MS 113-630	Ø 11,5 mm	18,5 cm / 7¼"
MS 113-631	Ø 12,5 mm	18,5 cm / 7¼"
MS 113-632	Ø 13,5 mm	18,5 cm / 7¼"
MS 113-633	Ø 14,5 mm	18,5 cm / 7¼"
MS 113-634	Ø 15,5 mm	18,5 cm / 7¼"
MS 113-635	Ø 16,5 mm	18,5 cm / 7¼"
MS 113-636	Ø 17,5 mm	18,5 cm / 7¼"



HEGAR

MS 113-650 Ø 4,0 - Ø 17,0 mm

Metal kase içinde set
Set, in metal case
(14 dilators)

HEGAR

MS 113-651 Ø 1,0 - Ø 26,0 mm

Metal kase içinde set
Set, in metal case
(26 dilators)



HEGAR

MS 113-660 Ø 4,0 - Ø 17,0 mm

Set deri çanta içinde
Set, in leather pouch
(14 dilators)

HEGAR

MS 113-661 Ø 1,0 - Ø 26,0 mm

Set deri çanta içinde
Set, in leather pouch
(26 dilators)



HEGAR

MS 113-670	Ø	1,0/ 2,0	mm	20,0 cm / 8"
MS 113-671	Ø	3,0/ 4,0	mm	20,0 cm / 8"
MS 113-672	Ø	5,0/ 6,0	mm	20,0 cm / 8"
MS 113-673	Ø	7,0/ 8,0	mm	20,0 cm / 8"
MS 113-674	Ø	9,0/10,0	mm	20,0 cm / 8"
MS 113-675	Ø	11,0/12,0	mm	20,0 cm / 8"
MS 113-676	Ø	13,0/14,0	mm	20,0 cm / 8"
MS 113-677	Ø	15,0/16,0	mm	20,0 cm / 8"
MS 113-678	Ø	17,0/18,0	mm	20,0 cm / 8"
MS 113-679	Ø	19,0/20,0	mm	20,0 cm / 8"
MS 113-680	Ø	21,0/22,0	mm	20,0 cm / 8"
MS 113-681	Ø	23,0/24,0	mm	20,0 cm / 8"
MS 113-682	Ø	25,0/26,0	mm	20,0 cm / 8"



HEGAR

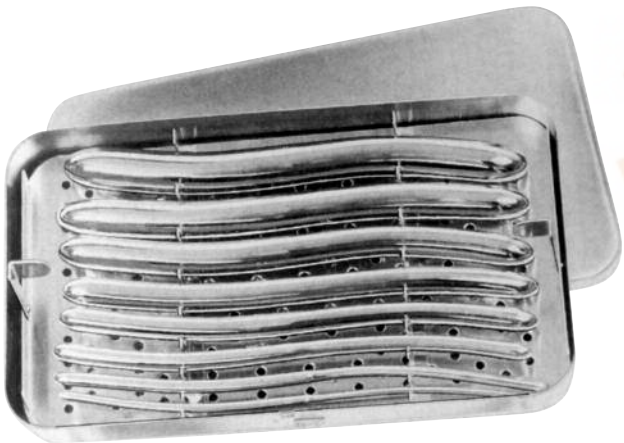
MS 113-690 Ø 3,0/4,0-Ø 17,0/18,0 mm (8 dilator)
MS 113-691 Ø 1,0/2,0-Ø 25,0/26,0 mm (13 dilator)

Set ayarlanabilir tuval olmadan
Set in boilable canvas roll

HEGAR

MS 113-700 Ø 3,0/4,0-Ø 17,0/18,0 mm (8 dilator)
MS 113-701 Ø 1,0/2,0-Ø 25,0/26,0 mm (13 dilator)

Set ayarlanabilir tuval içinde
Set in boilable canvas roll

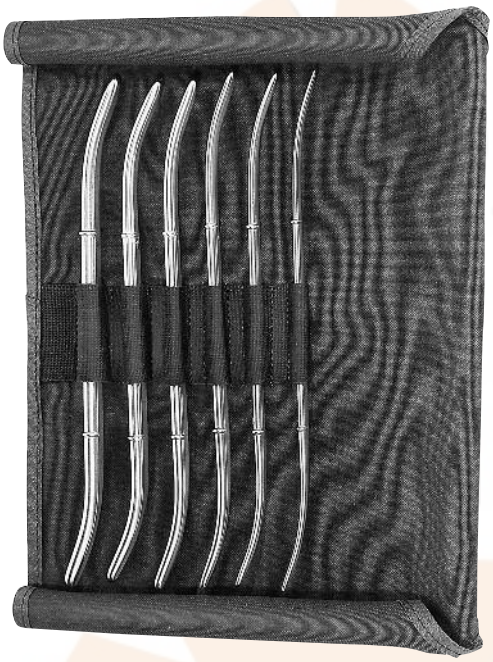


HEGAR

MS 113-705 Ø 3,0/4,0-Ø 17,0/18,0 mm

Metal Kase içinde aet
Set in metalcase
(8 dilators)





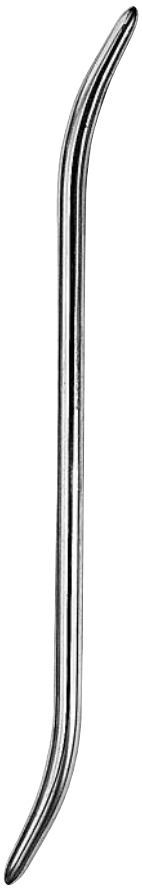
HANK

MS 113-710	Ø 4,5/ 5,0 mm	Fig. 9/10
MS 113-711	Ø 5,5/ 6,0 mm	Fig.11/12
MS 113-712	Ø 6,5/ 7,0 mm	Fig.13/14
MS 113-713	Ø 7,5/ 8,0 mm	Fig.15/16
MS 113-714	Ø 8,5/ 9,0 mm	Fig.17/18
MS 113-715	Ø 9,5/10,0 mm	Fig.19/20

HANK

MS 113-720 Ø 4,5/5,0-Ø 9,5/10,0 mm (6 dilator)

Set ayarlanabilir tuval içinde
Set in boilable canvas roll



PRATT

MS 113-730	Ø 4,5/ 5,0 mm	Charr. 13/15
MS 113-731	Ø 5,5/ 6,0 mm	Charr. 17/19
MS 113-732	Ø 7,5/ 8,0 mm	Charr. 21/23
MS 113-733	Ø 8,5/ 9,0 mm	Charr. 25/27
MS 113-734	Ø 9,5/10,0 mm	Charr. 29/31
MS 113-735	Ø 11,5/12,0 mm	Charr. 33/35
MS 113-736	Ø 12,5/13,0 mm	Charr. 37/39
MS 113-737	Ø 13,5/14,0 mm	Charr. 41/43



MS 113-740 Ø 3,0/4,0-Ø 17,0/18,0 mm (8 dilator)

Set ayarlanabilir tuval içinde
Set in boilable canvas roll



esnek
malleable

SIMS

MS 113-750 32,0 cm / 12½"



sert
rigid

SIMS

MS 113-751 32,0 cm / 12½"



esnek
malleable

MARTIN

MS 113-752 32,0 cm / 12½"



dereceli
graduated

COLLIN

MS 113-753 28,0 cm / 11"



VALLEIX

MS 113-754 29,5 cm / 11½"



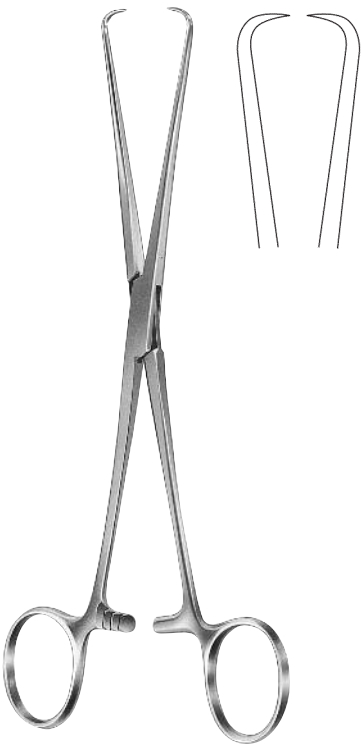
BRAUN

MS 113-755 28,0 cm / 11"



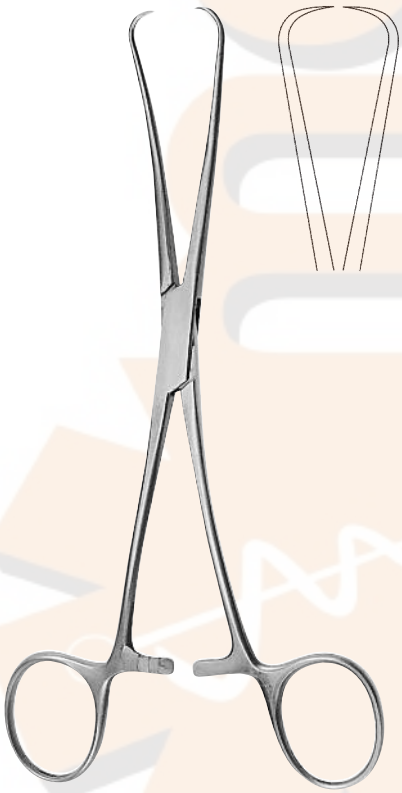
STAUDE-MOORE

MS 113-770 17,0 cm / 6¾"



BARRETT

MS 113-771 18,0 cm / 7"

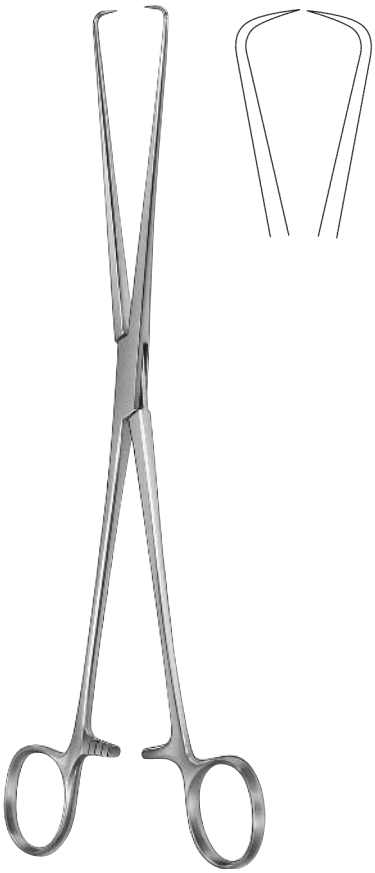


JARCHO

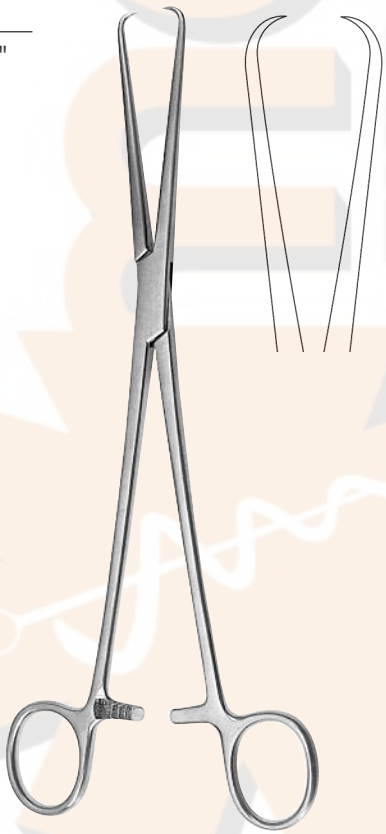
MS 113-772 20,0 cm / 8"



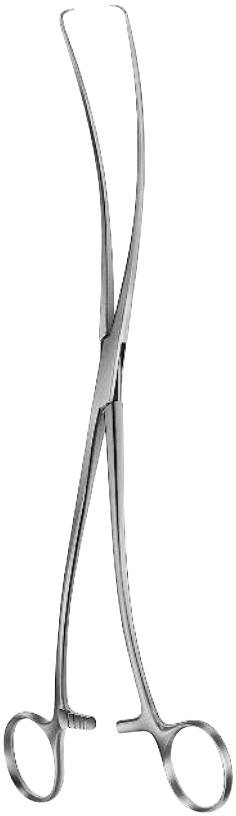
SCHROEDER
MS 113-773 25,0 cm / 9¾"



BRAUN
MS 113-774 25,0 cm / 9¾"



POZZI
MS 113-775 25,5 cm / 10¼"



DUPLAY

MS 113-776 28,0 cm / 11"



BEACHAM

MS 113-780 26,0 cm / 10¼"



SKEENE

MS 113-781 24,0 cm / 9½"



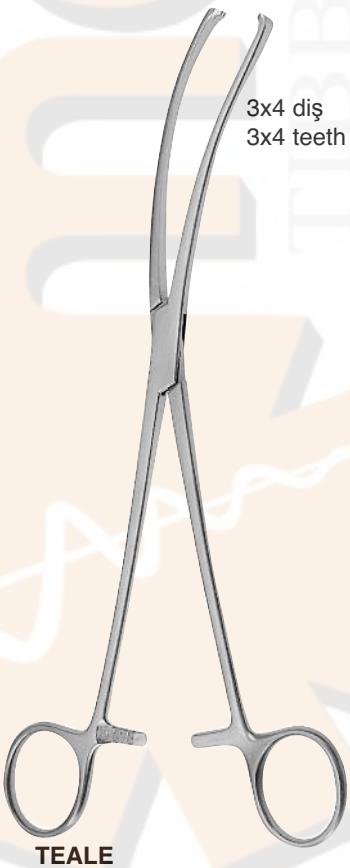
SCHROEDER

MS 113-782 25,0 cm / 9¾"



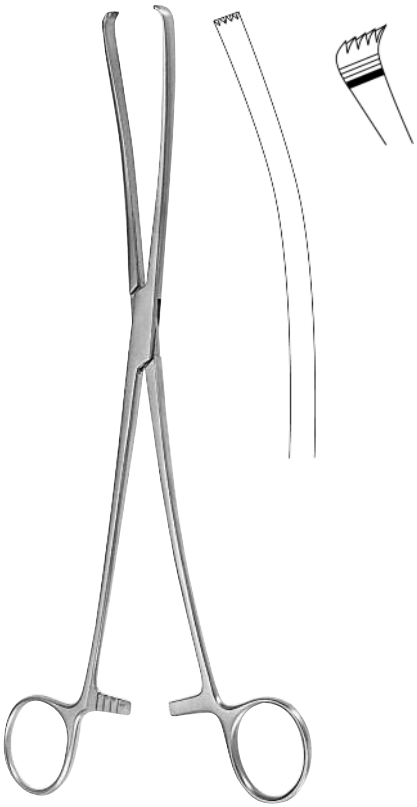
SCHROEDER

MS 113-783 25,0 cm / 9½"



TEALE

MS 113-784 23,0 cm / 9"



IOWA

MS 113-790 26,0 cm / 10¼"



6 mm



MS 113-795

8 mm



MS 113-796

10 mm



MS 113-797

MUSEUX

24,0 cm / 9½"



6 mm

MS 113-798

8 mm



MS 113-799

10 mm



MS 113-800

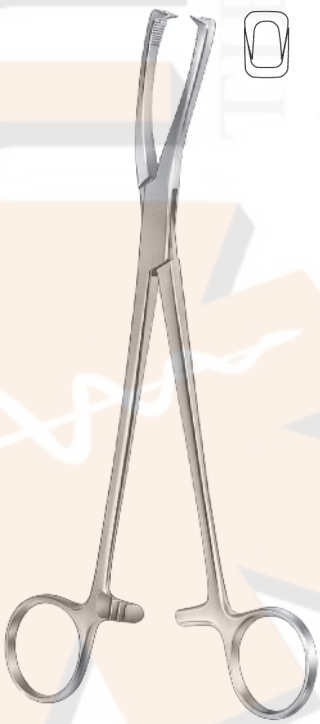
MUSEUX

24,0 cm / 9½"



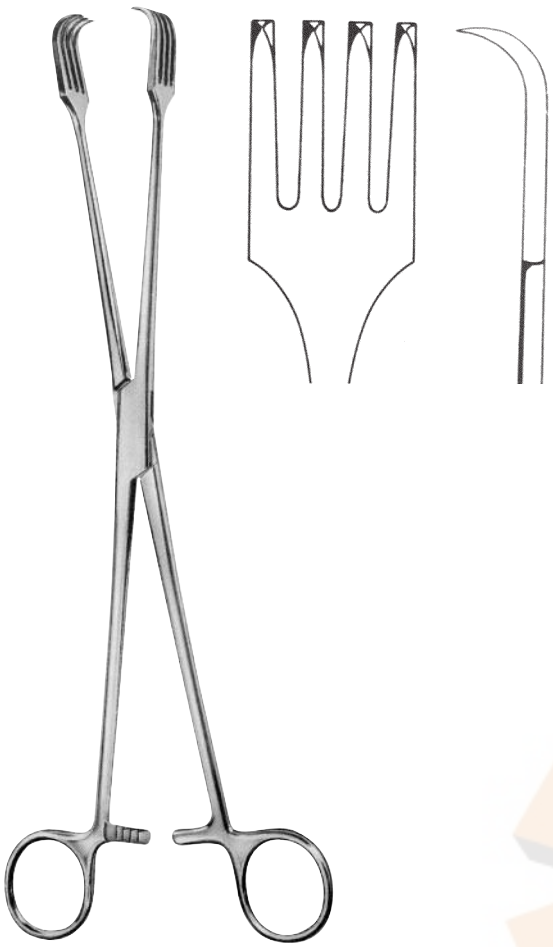
JACOBS

MS 113-810 21,0 cm / 8¼"

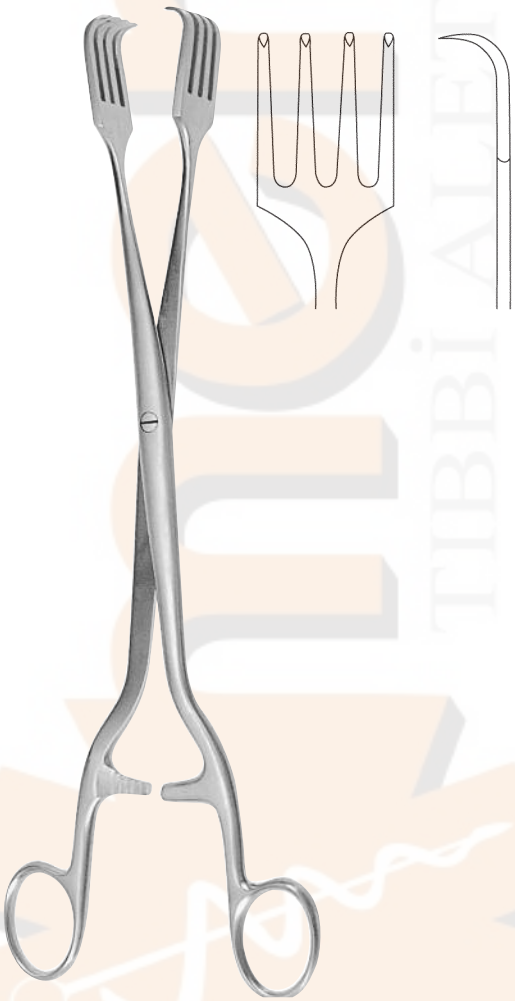


JACOBS

MS 113-811 21,0 cm / 8¼"



MS 113-815 26,0 cm / 10¼"



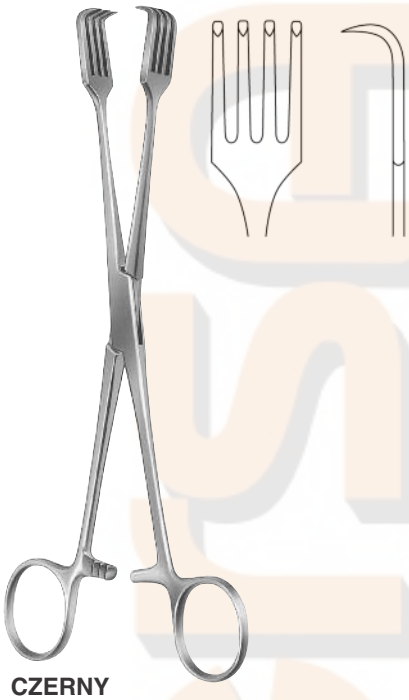
PRATT

MS 113-816 28,0 cm / 11"



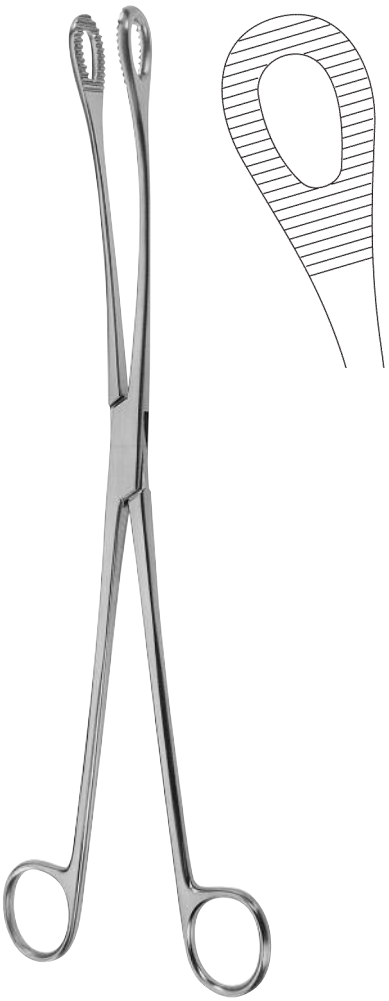
BRAUN

MS 113-817 15,5 cm / 6"



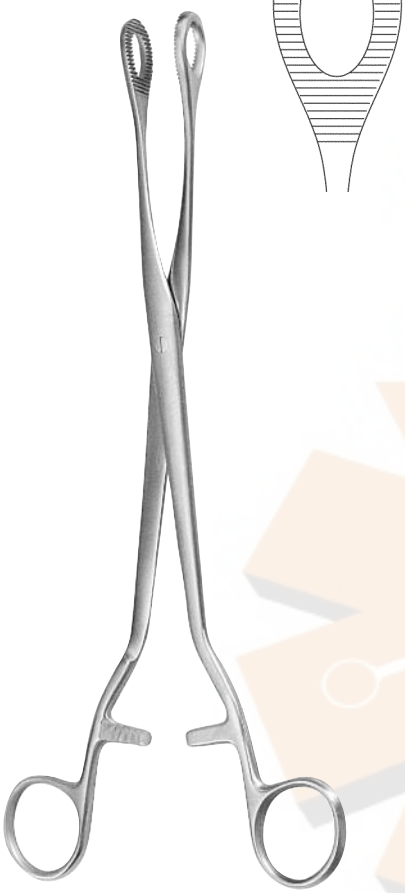
CZERNY

MS 113-818 20,5 cm / 8"



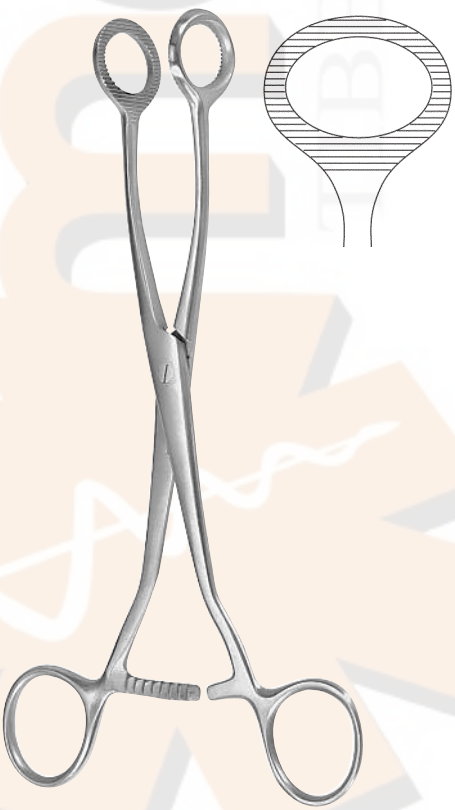
KELLY

MS 113-830 32,0 cm / 12½"



NOTO

MS 113-831 27,0 cm / 10⅝"



DOYEN

MS 113-832 20,0 cm / 8"



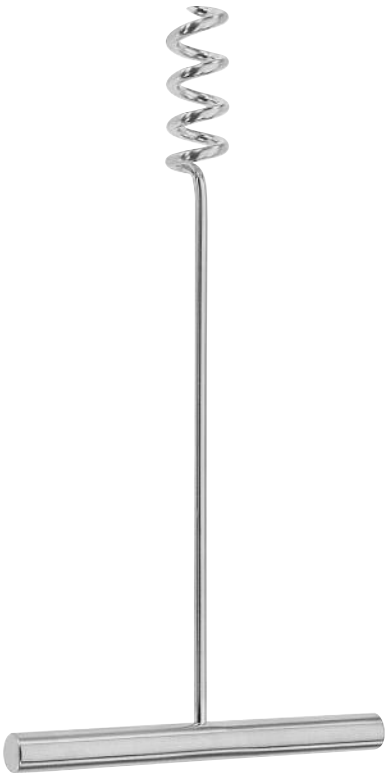
DARTIGUES
MS 113-840 27,0 cm / 10¾"



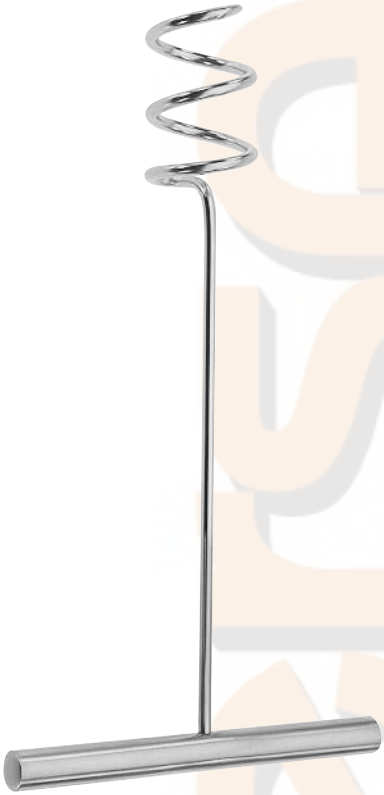
SOMER
MS 113-841 23,0 cm / 9"



COLLIN
MS 113-842 25,0 cm / 9¾"



DOYEN
MS 113-850 17,0 cm / 6¾"



DOYEN
MS 113-851 17,0 cm / 6¾"



EMMET
22,0 cm / 8¾"



MS 113-860



MS 113-861



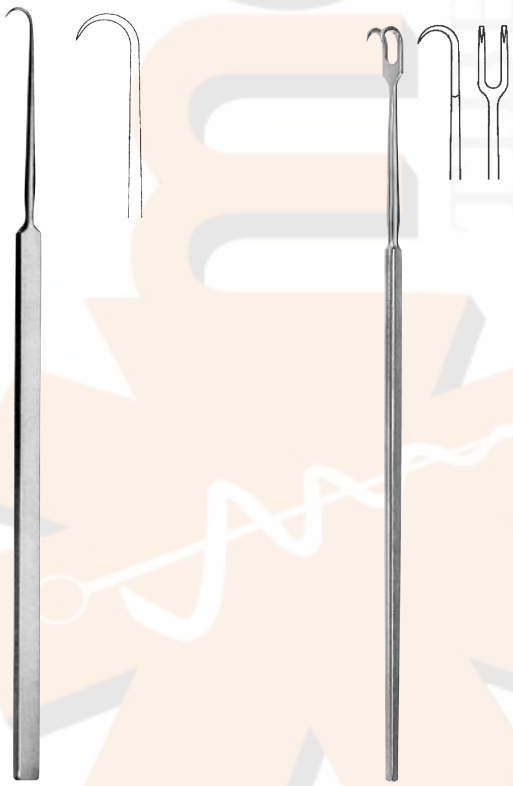
MS 113-862



MS 113-863



MS 113-864



SIMON
MS 113-870 22,0 cm / 8¾"

SIMON
MS 113-871 22,0 cm / 8¾"





KOGAN

MS 113-880 24,0 cm / 9½"





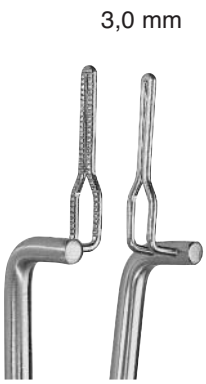
KOGAN

MS 113-881 24,0 cm / 9½"



KOGAN

28,0 cm / 11"



MS 113-882



MS 113-883



MS 113-884

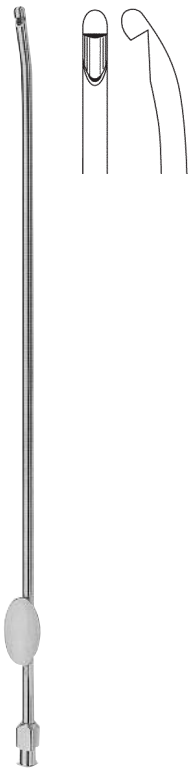


GOODELL

MS 113-890	34,0 cm / 13½"	

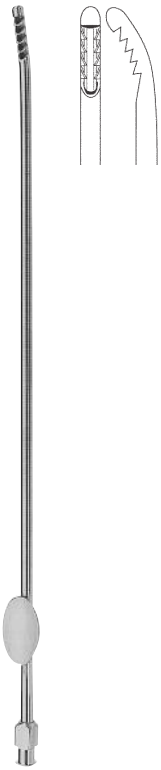


MS 113-895	60x22 mm	25,0 cm / 10"
MS 113-896	72x22 mm	25,0 cm / 10"



RANDALL

MS 113-900	23,0 cm / 9"	Ø 4,0 mm



NOVAK

MS 113-901	23,0 cm / 9"	Ø 2 mm
MS 113-902	23,0 cm / 9"	Ø 4 mm



KEVORKIAN

MS 113-903	30,0 cm / 12"



KEVORKIAN

MS 113-904	30,0 cm / 12"



KEVORKIAN

MS 113-905	30,0 cm / 12"



GELLHORN

MS 113-910 23,0 cm / 9"



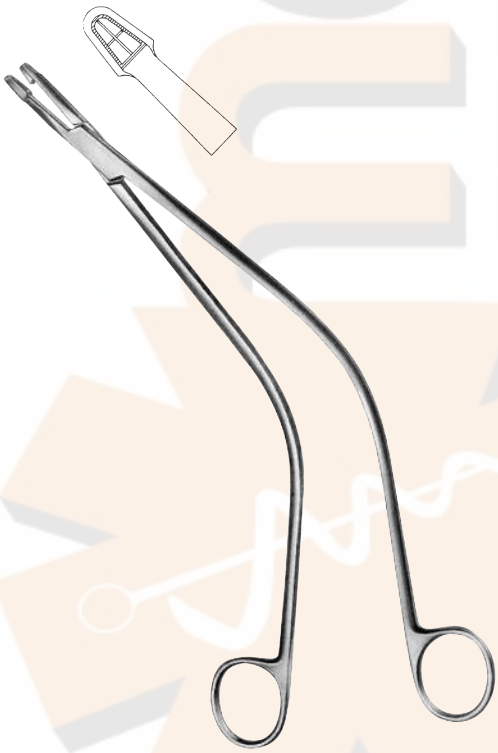
FAURE

MS 113-911 21,0 cm / 8¼"



SCHUBERT

MS 113-912 21,0 cm / 8¼"
MS 113-913 29,0 cm / 11½"



SCHUBERT

MS 113-914 26,0 cm / 10¼"



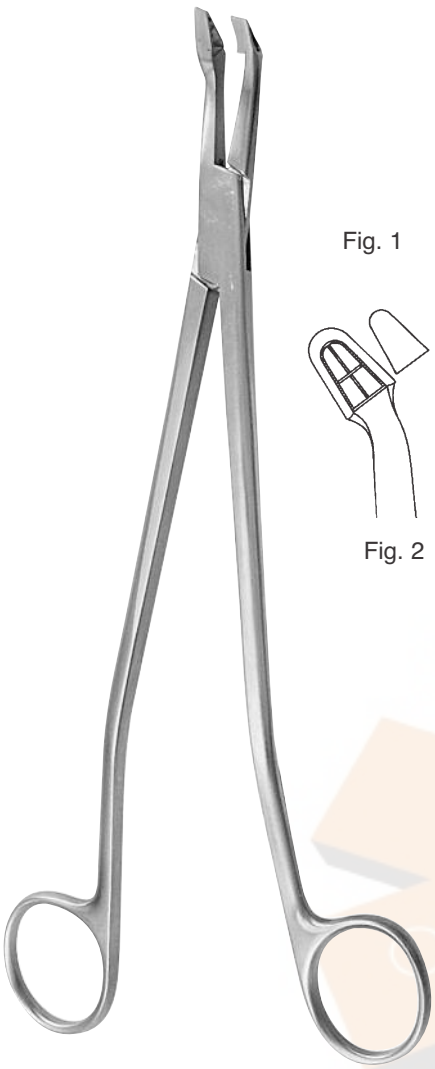
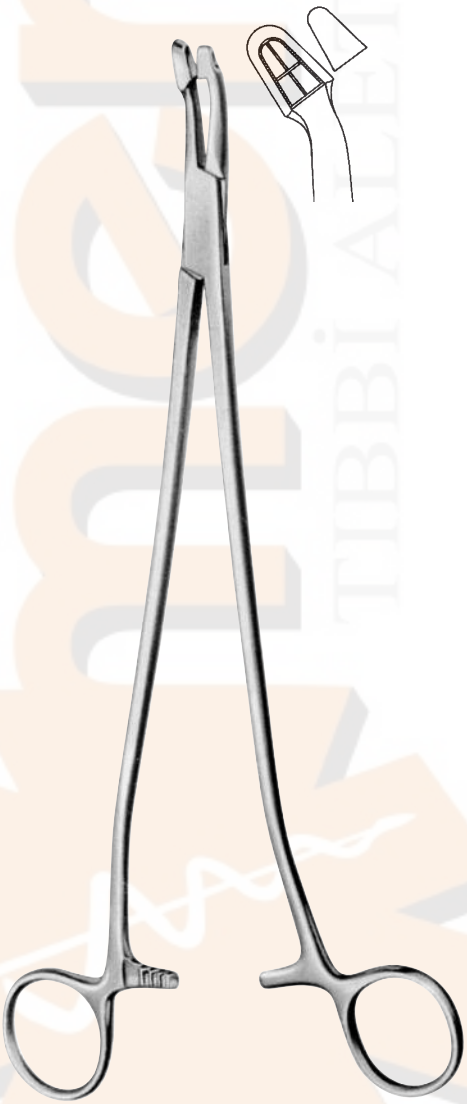


Fig. 1

Fig. 2



THOMS-GAYLOR

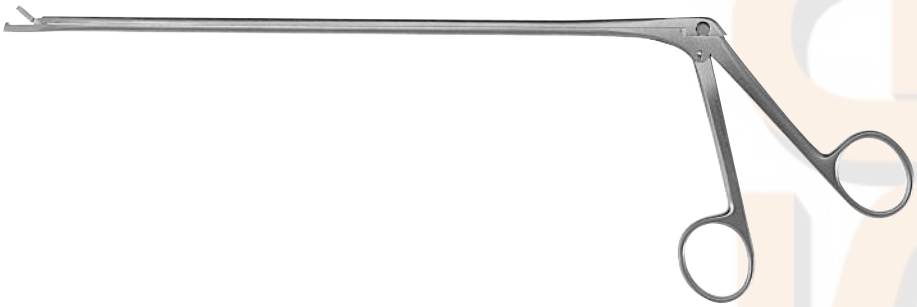
MS 113-915	22,0 cm / 8¾"	
MS 113-916	24,0 cm / 9½"	

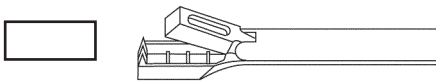
VAN DOREN

MS 113-917	25,0 cm / 9¾"	Fig. 1
MS 113-918	25,0 cm / 9¾"	Fig. 2

VAN DOREN

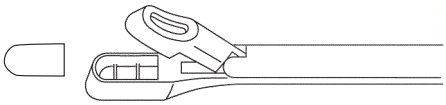
MS 113-919	25,5 cm / 10"





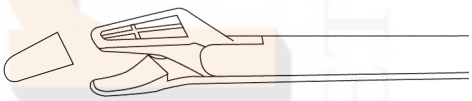
KEVORKIAN

MS 113-930 25,0 cm / 10" 3x9 mm



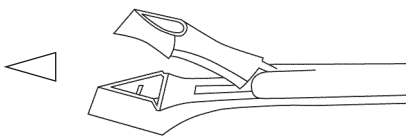
EPPENDORFER

MS 113-931 20,0 cm / 8" 4x8 mm



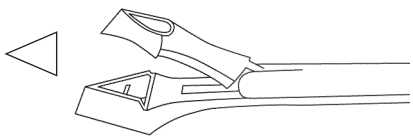
ALEXANDER

MS 113-932 28,0 cm / 11"



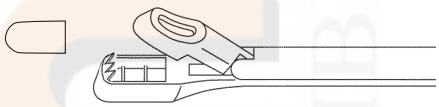
SCHUMACHER

MS 113-933 24,0 cm / 9½" 4,5x7 mm



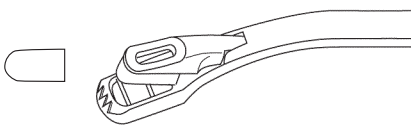
SCHUMACHER

MS 113-934 24,0 cm / 9½" 6x9 mm



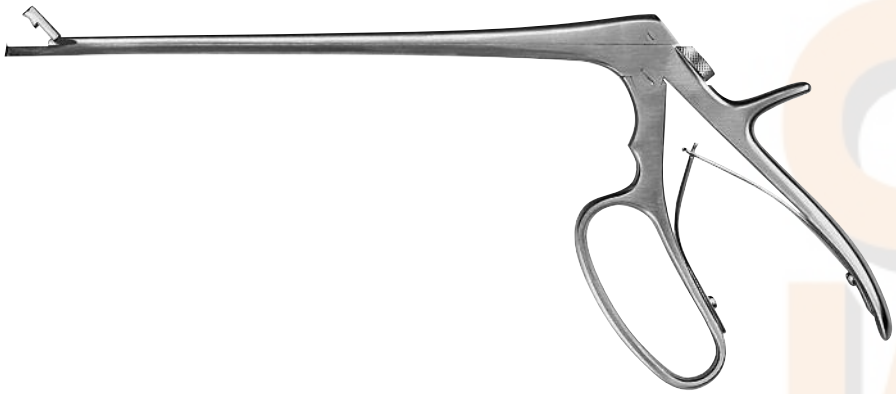
WITTNER

MS 113-935 23,0 cm / 9" 4,5x8 mm



WITTNER

MS 113-936 23,0 cm / 9" 4,5x8 mm





TISCHLER-MORGAN

MS 113-940	21,0 cm / 8¼"	7x3 mm
MS 113-941	25,0 cm / 9¾"	7x3 mm



MINI-TOWNSEND

MS 113-942	21,0 cm / 8¼"	2,3x5 mm



BABY-TISCHLER

MS 113-943	21,0 cm / 8¼"	2,3x5 mm



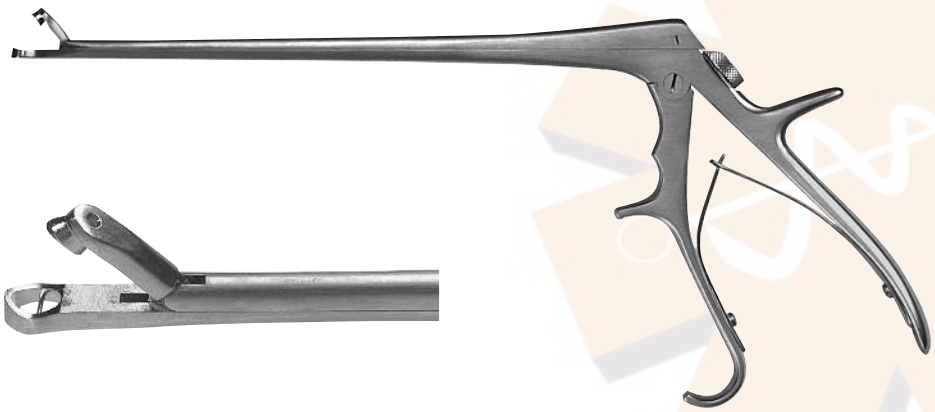
TISCHLER-KEVORKIAN

MS 113-944	21,0 cm / 8¼"	3x9 mm



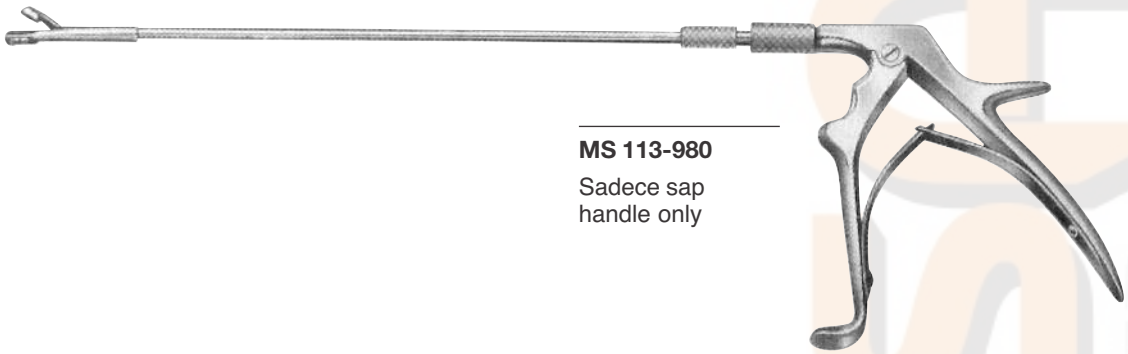
KEVORKIAN-PACIFIC

MS 113-945	21,0 cm / 8¼"	3x8 mm



BURKE

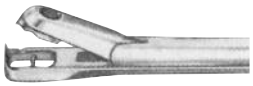
MS 113-950	21,0 cm / 8¼"	7x5 mm



MS 113-980
Sadece sap
handle only

Sadece ucu
Tips only

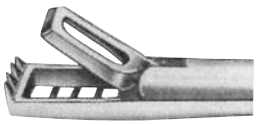
MS 113-960 Fig.1
MS 113-961 Fig.3
MS 113-962 Fig.4
MS 113-963 Fig.5
komple
complete



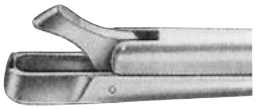
TISCHLER MORGAN
MS 113-970 Fig.1



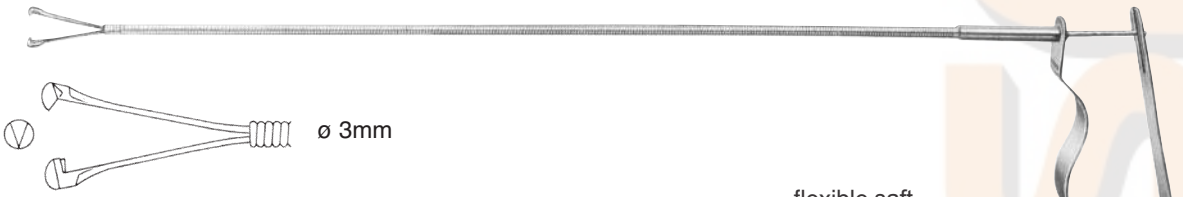
TOWNSEND
MS 113-971 Fig.3



KEVORKIAN
MS 113-972 Fig.4



MINI-TOWNSEND
(BABY-TISCHLER)
MS 113-973 Fig.5



SERPENTINE

MS 113-990 22,0 cm / 8¾"
MS 113-991 28,5 cm / 11¼"



SCHUMACHER

MS 113-996 25,0 cm / 9¾"
Sadece ucu
Tip only

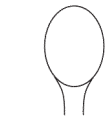
SCHUMACHER

MS 113-995 25,0 cm / 9¾"
komple
complete



sivri, sert
sharp, rigid

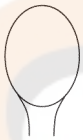
SIMON
25,0 cm / 9¾"



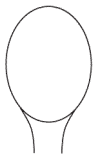
MS 113-1000
Fig.1



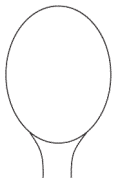
MS 113-1001
Fig.2



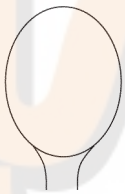
MS 113-1002
Fig.3



MS 113-1003
Fig.4



MS 113-1004
Fig.5



MS 113-1005
Fig.6

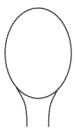


sivri, sert
sharp, rigid

SCHROEDER
30,0 cm / 11¾"



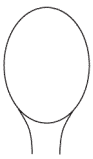
MS 113-1010
Fig.1



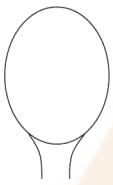
MS 113-1011
Fig.2



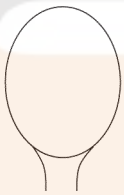
MS 113-1012
Fig.3



MS 113-1013
Fig.4



MS 113-1014
Fig.5



MS 113-1015
Fig.6

sivri, sert
sharp, rigid

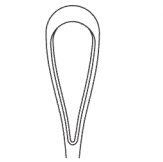




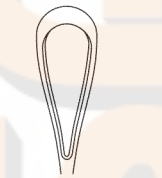
4,5 mm
Fig.00



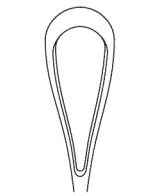
7,5 mm
Fig.0



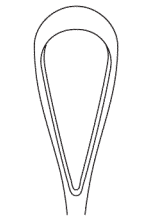
8,5 mm
Fig.1



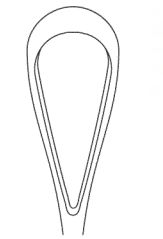
10,5 mm
Fig.2



12,0 mm
Fig.3



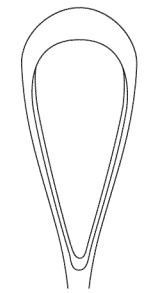
14,0 mm
Fig.4



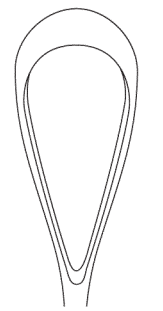
15,0 mm
Fig.5



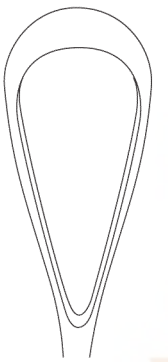
16,5 mm
Fig.6



18,0 mm
Fig.7



19,5 mm
Fig.8



21,5 mm
Fig.9



23,5 mm
Fig.10

sivri,esnek
sharp, malleable



RECAMIER

MS 113-1030	Fig.00	31,0 cm / 12¼"
MS 113-1031	Fig.0	31,0 cm / 12¼"
MS 113-1032	Fig.1	31,0 cm / 12¼"
MS 113-1033	Fig.2	31,0 cm / 12¼"
MS 113-1034	Fig.3	31,0 cm / 12¼"
MS 113-1035	Fig.4	31,0 cm / 12¼"
MS 113-1036	Fig.5	31,0 cm / 12¼"
MS 113-1037	Fig.6	31,0 cm / 12¼"
MS 113-1038	Fig.7	31,0 cm / 12¼"
MS 113-1039	Fig.8	31,0 cm / 12¼"
MS 113-1040	Fig.9	31,0 cm / 12¼"
MS 113-1041	Fig.10	31,0 cm / 12¼"

RECAMIER

MS 113-1050	Fig.1	31,0 cm / 12¼"
MS 113-1051	Fig.2	31,0 cm / 12¼"
MS 113-1052	Fig.3	31,0 cm / 12¼"
MS 113-1053	Fig.4	31,0 cm / 12¼"
MS 113-1054	Fig.5	31,0 cm / 12¼"
MS 113-1055	Fig.6	31,0 cm / 12¼"
MS 113-1056	Fig.7	31,0 cm / 12¼"
MS 113-1057	Fig.8	31,0 cm / 12¼"



künt, sert
blunt, rigid



4,5 mm
Fig.00



7,5 mm
Fig.0



8,5 mm
Fig.1



10,5 mm
Fig.2



12,0 mm
Fig.3



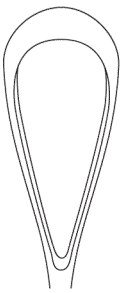
14,0 mm
Fig.4



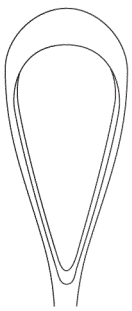
15,0 mm
Fig.5



16,5 mm
Fig.6



18,0 mm
Fig.7



19,5 mm
Fig.8



21,5 mm
Fig.9



23,5 mm
Fig.10

RECAMIER

MS 113-1070	Fig.00	31,0 cm / 12¼"
MS 113-1071	Fig.0	31,0 cm / 12¼"
MS 113-1072	Fig.1	31,0 cm / 12¼"
MS 113-1073	Fig.2	31,0 cm / 12¼"
MS 113-1074	Fig.3	31,0 cm / 12¼"
MS 113-1075	Fig.4	31,0 cm / 12¼"
MS 113-1076	Fig.5	31,0 cm / 12¼"
MS 113-1077	Fig.6	31,0 cm / 12¼"
MS 113-1078	Fig.7	31,0 cm / 12¼"
MS 113-1079	Fig.8	31,0 cm / 12¼"
MS 113-1080	Fig.9	31,0 cm / 12¼"
MS 113-1081	Fig.10	31,0 cm / 12¼"

sivri, sert
sharp, rigid

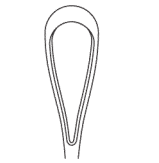




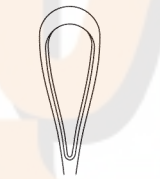
4,5 mm
Fig.00



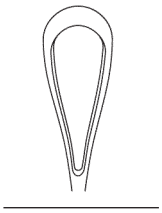
6,0 mm
Fig.0



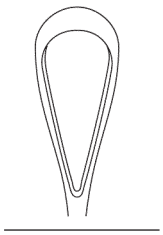
7,5 mm
Fig.1



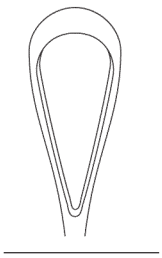
8,5 mm
Fig.2



10,5 mm
Fig.3



12,0 mm
Fig.4



14,0 mm
Fig.5



15,0 mm
Fig.6

SIMS

MS 113-1090	Fig.00	28,0 cm / 11"
MS 113-1091	Fig.0	28,0 cm / 11"
MS 113-1092	Fig.1	28,0 cm / 11"
MS 113-1093	Fig.2	28,0 cm / 11"
MS 113-1094	Fig.3	28,0 cm / 11"
MS 113-1095	Fig.4	28,0 cm / 11"
MS 113-1096	Fig.5	28,0 cm / 11"
MS 113-1097	Fig.6	28,0 cm / 11"

sivri, esnek
sharp, malleable



SIMS

MS 113-1110	Fig.1	28,0 cm / 11"
MS 113-1111	Fig.2	28,0 cm / 11"
MS 113-1112	Fig.3	28,0 cm / 11"
MS 113-1113	Fig.4	28,0 cm / 11"
MS 113-1114	Fig.5	28,0 cm / 11"
MS 113-1115	Fig.6	28,0 cm / 11"

künt, sert
blunt, rigid





4,5 mm
Fig.00



6,0 mm
Fig.0



7,5 mm
Fig.1



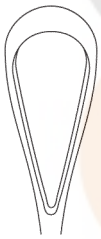
8,5 mm
Fig.2



10,5 mm
Fig.3



12,0 mm
Fig.4



14,0 mm
Fig.5

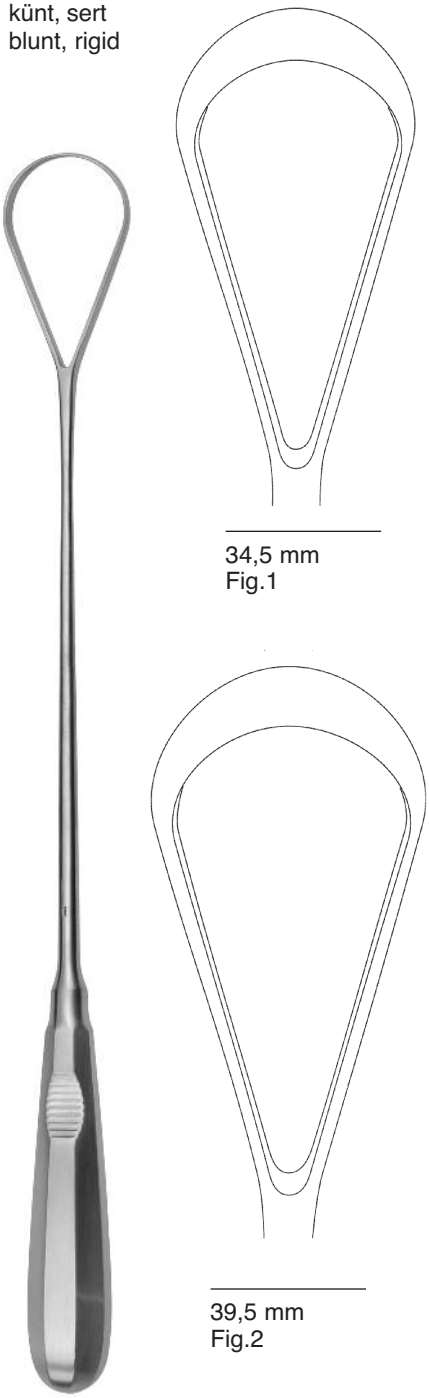


15,0 mm
Fig.6

SIMS

MS 113-1130	Fig.00	28,0 cm / 11"
MS 113-1131	Fig.0	28,0 cm / 11"
MS 113-1132	Fig.1	28,0 cm / 11"
MS 113-1133	Fig.2	28,0 cm / 11"
MS 113-1134	Fig.3	28,0 cm / 11"
MS 113-1135	Fig.4	28,0 cm / 11"
MS 113-1136	Fig.5	28,0 cm / 11"
MS 113-1137	Fig.6	28,0 cm / 11"

künt, sert
blunt, rigid



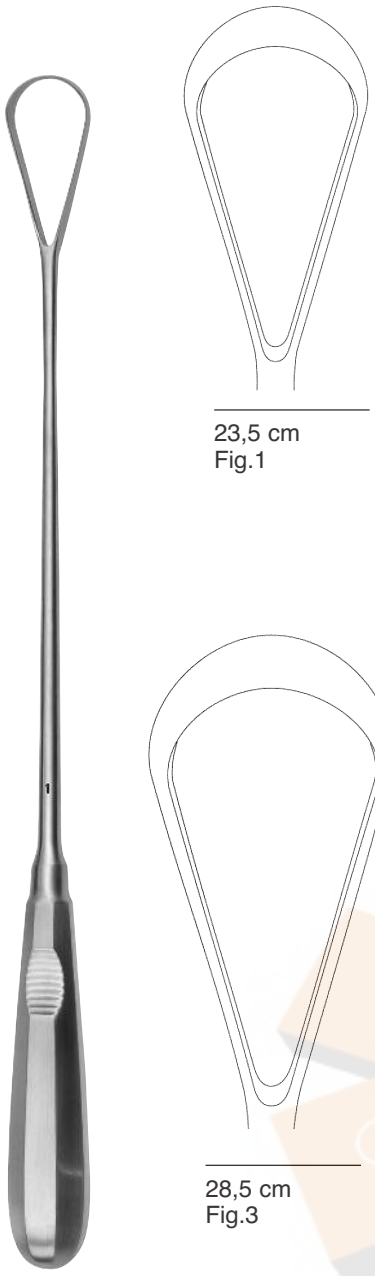
34,5 mm
Fig.1

39,5 mm
Fig.2

RECAMIER

MS 113-1150	36,0 cm / 14¼"	Fig.1
MS 113-1151	36,0 cm / 14¼"	Fig.2

sivri, esnek
sharp, malleable



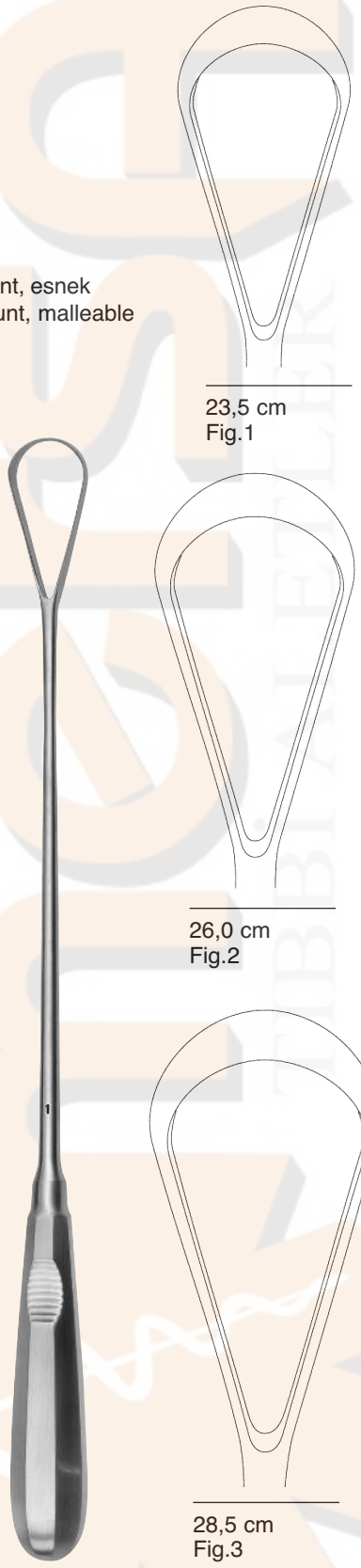
23,5 cm
Fig.1

28,5 cm
Fig.3

BUMM

MS 113-1155	31,0 cm / 12¼"	Fig.1
MS 113-1156	31,0 cm / 12¼"	Fig.3

künt, esnek
blunt, malleable



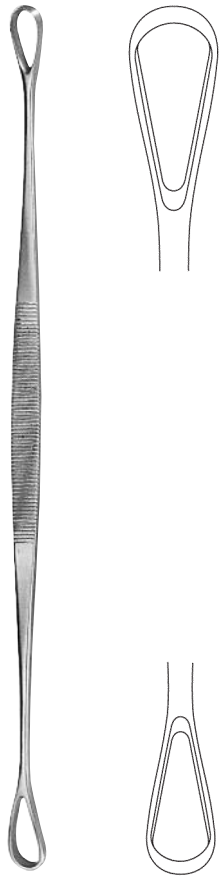
23,5 cm
Fig.1

26,0 cm
Fig.2

28,5 cm
Fig.3

BUMM

MS 113-1160	31,0 cm / 12¼"	Fig.1
MS 113-1161	31,0 cm / 12¼"	Fig.2
MS 113-1162	31,0 cm / 12¼"	Fig.3



sivri/künt
sharp/blunt

BLAKE

MS 113-1170 27,0 cm / 10¾"



MS 113-1180 Ø 3,0 mm



MS 113-1181 Ø 4,5 mm



MS 113-1182 Ø 6,0 mm



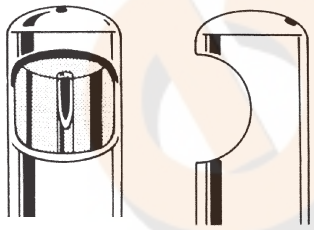
MS 113-1183 Ø 8,0 mm



MS 113-1184 Ø 10,0 mm



MS 113-1185 Ø 12,0 mm



MS 113-1186 Ø 14,0 mm



29,0 cm / 11½"



MS 113-1190 12,0 cm, 4¾"

bağlantı parçası
Coupling Piece

MS 113-1191

parça bağlamak için conta halkaları
Gasket rings (pair) for coupling piece



SCHULTZE

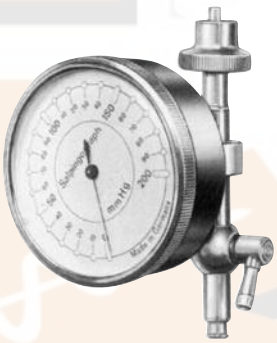
MS 113-1200

komple set, complete



SCHULTZE

MS 113-1201



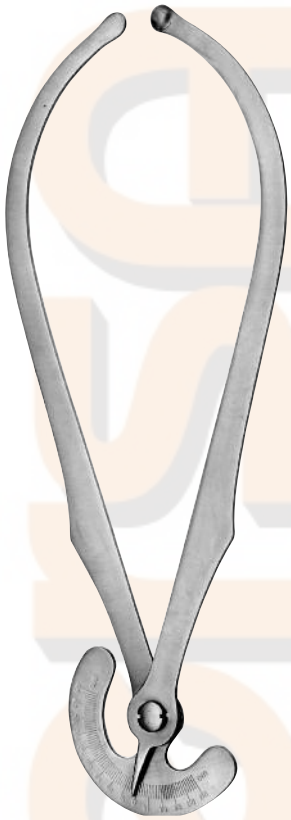
DRUCK

MS 113-1202



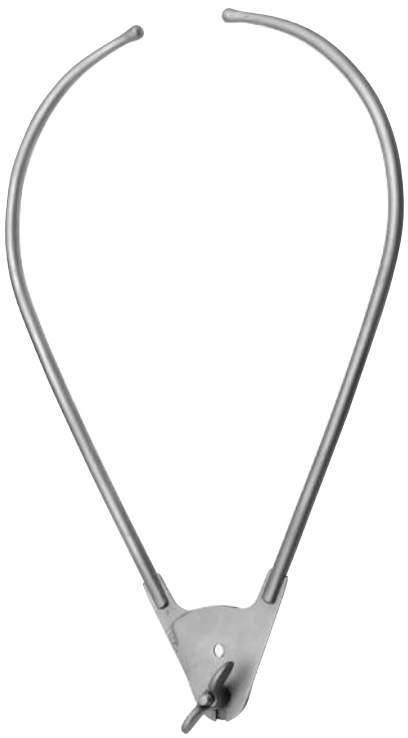
MARTIN

MS 113-1210 34,0 cm / 13 3/8"



COLLIN

MS 113-1211 35,0 cm / 13 3/4"



COLLYER

MS 113-1212 30,0 cm / 13 3/4"



WRIGLEY

MS 113-1220 28,0 cm / 11"



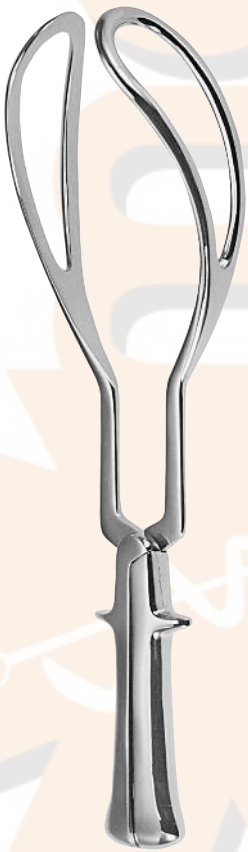
SIMPSON

MS 113-1221 23,0 cm / 9"
MS 113-1222 30,0 cm / 11¾"



SIMPSON-BRAUN

MS 113-1223 36,0 cm / 14⅛"



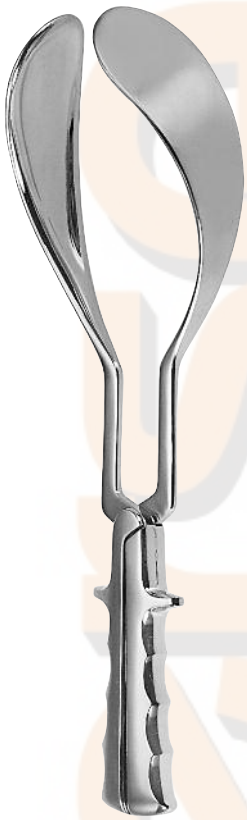
DE LEE

MS 113-1224 36,0 cm / 14¼"



MCLEAN-TUCKER

MS 113-1230 39,0 cm / 15½"



MCLEAN-LUIKART

MS 113-1231 39,0 cm / 15½"



NAEGELE

MS 113-1232 36,0 cm / 14¼"
MS 113-1233 40,0 cm / 16”



KIELLAND

MS 113-1234 41,0 cm / 16½"



PIPER

MS 113-1235 44,0 cm / 17¼"



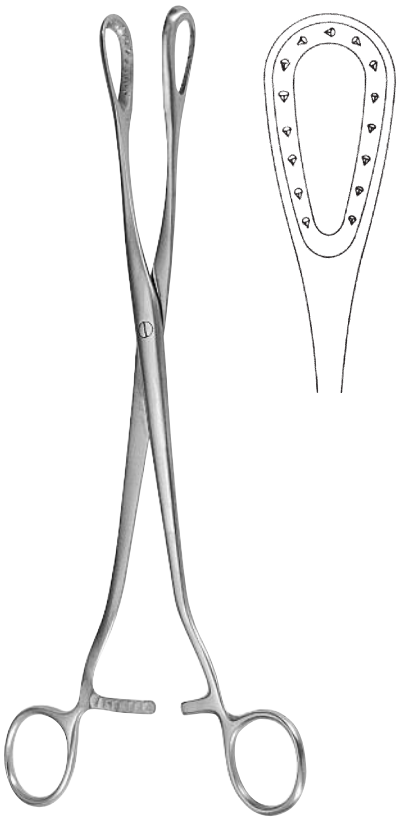
SELLHEIM

MS 113-1240 28,0 cm / 11"



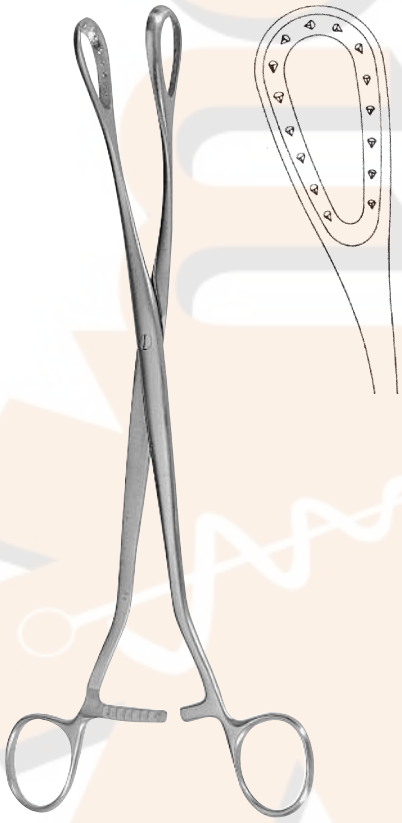
GREEN-ARMYTAGE

MS 113-1241 21,0 cm / 8¼"



SAENGER

MS 113-1250 27,0 cm / 10¾"

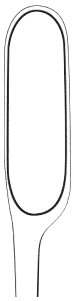


SAENGER

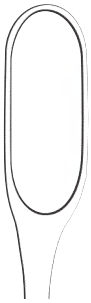
MS 113-1251 27,0 cm / 10¾"



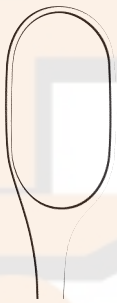
WINTER
28,0 cm / 11"



MS 113-1260 Fig.1



MS 113-1261 Fig.2



MS 113-1262 Fig.3



MS 113-1270 Fig.1



MS 113-1271 Fig.2



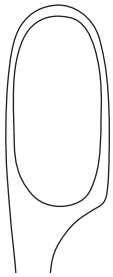
MS 113-1272 Fig.3



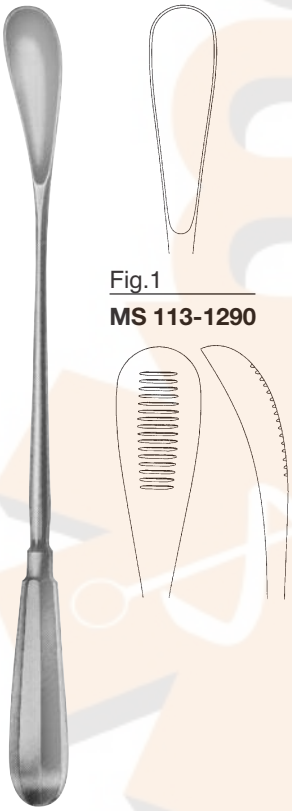
WINTER
28,0 cm / 11"



MS 113-1280 Fig.2



MS 113-1281 Fig.3



CUZZI
30,0 cm / 11¾"

14 mm

Fig.1
MS 113-1290

18 mm

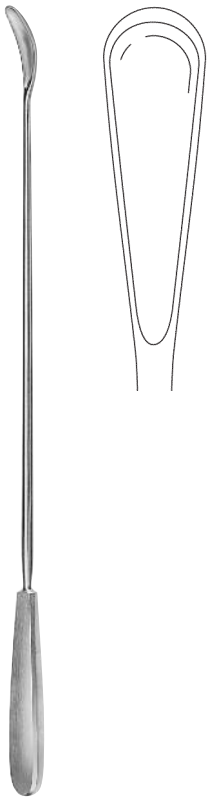


Fig. 2
MS 113-1291

20 mm

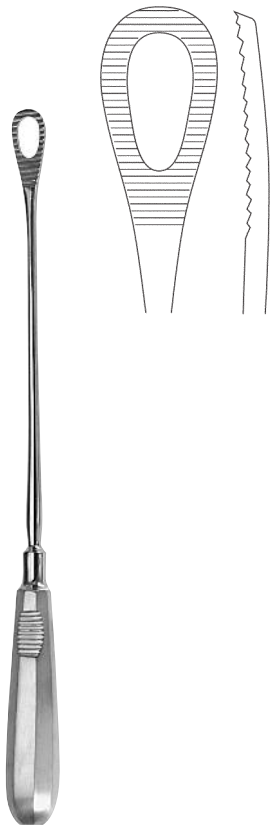


Fig. 3
MS 113-1292



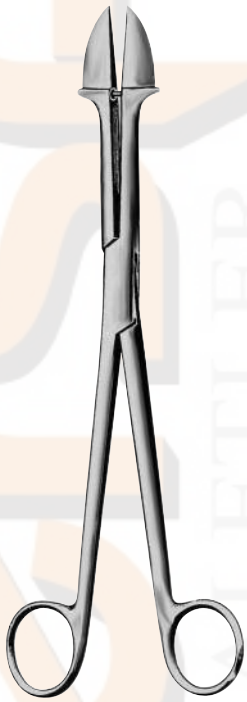
WALLICH

MS 113-1300 42,0 cm / 17"



PESTALOZZA

MS 113-1301 30,0 cm / 11¾"



SMELLIE

MS 113-1302 25,0 cm / 10"



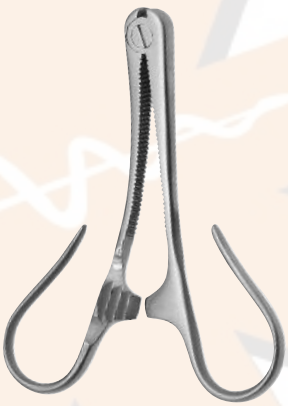
COLLIN

MS 113-1303 30,0 cm / 11¾"



COLLIN

MS 113-1304 9,0 cm / 3½"



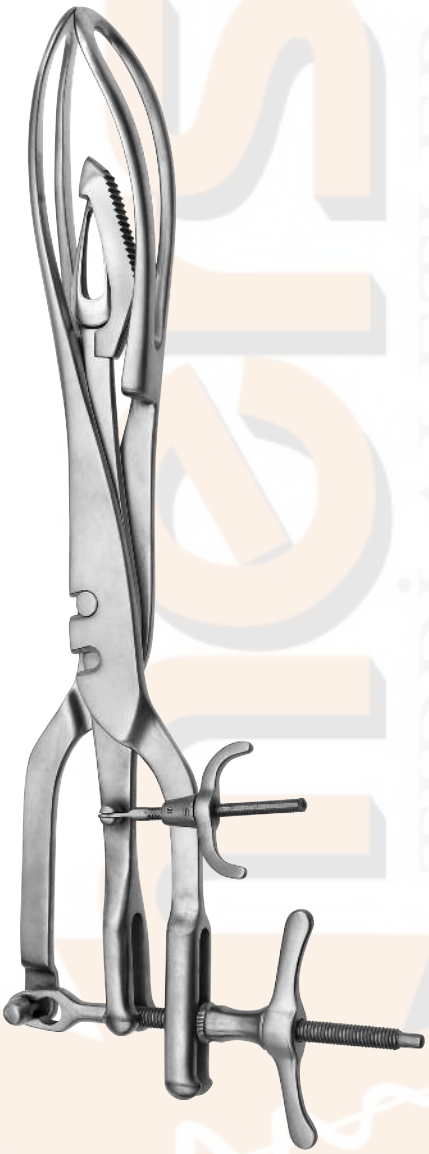
KANE

MS 113-1305 8,5 cm / 3¼"



BRAUN

MS 113-1310 42,0 cm / 16½"



TARNIER

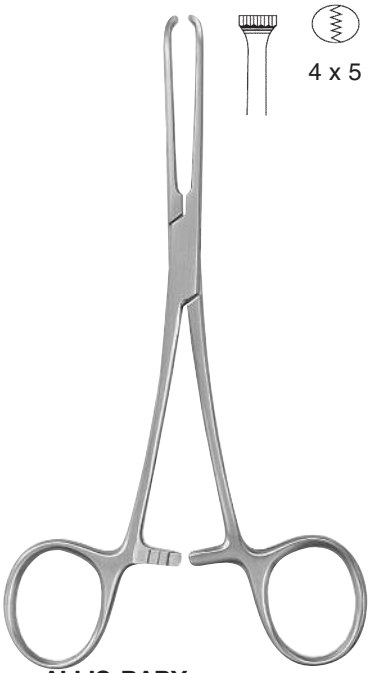
MS 113-1311 46,0 cm / 18"

mersa
TIBBİ ALETLER

114



UROLOJİ
UROLOGY



ALLIS-BABY

MS 114-101	12,0 cm / 4¾"
MS 114-102	14,0 cm / 5½"



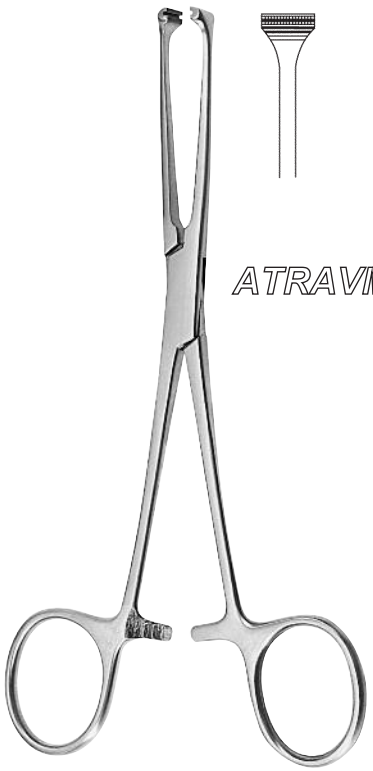
ALLIS

MS 114-105	15,0 cm / 6"
MS 114-106	19,0 cm / 7½"



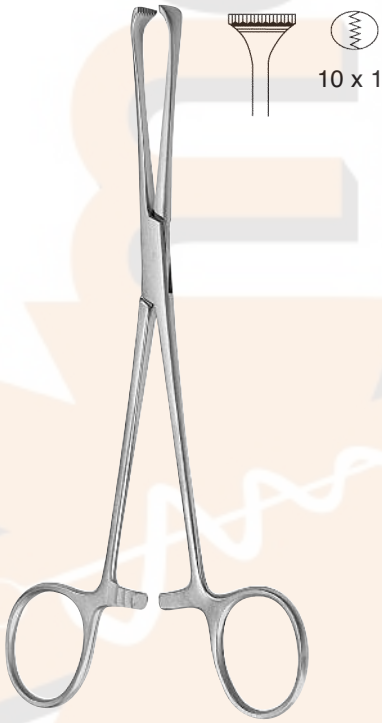
ALLIS

MS 114-110	15,0 cm / 6"
MS 114-111	19,0 cm / 7½"
MS 114-112	22,0 cm / 8¾"
MS 114-113	25,0 cm / 9¾"



ALLIS

MS 114-120	16,0 cm / 6¼"
MS 114-121	20,0 cm / 8"
MS 114-122	25,0 cm / 9¾"
MS 114-123	30,0 cm / 11¼"



ALLIS-ADAIR

MS 114-130	15,5 cm / 6"



BOYS-ALLIS

MS 114-131 15,0 cm / 6"



JUDD-ALLIS

MS 114-132 15,0 cm / 6"
MS 114-133 19,0 cm / 7½"



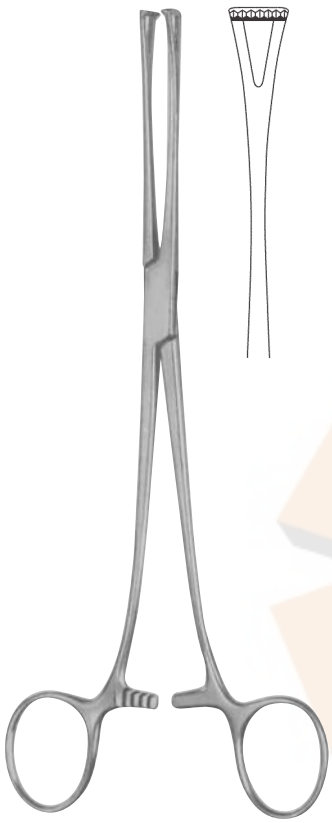
HOMS-ALLIS

MS 114-140 20,0 cm / 8"



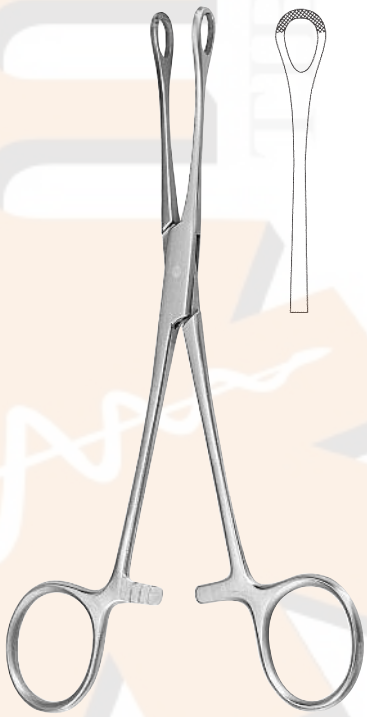
ALLIS

MS 114-141 20,0 cm / 8"



LOCKWOOD-ALLIS

MS 114-150 20,0 cm / 8"



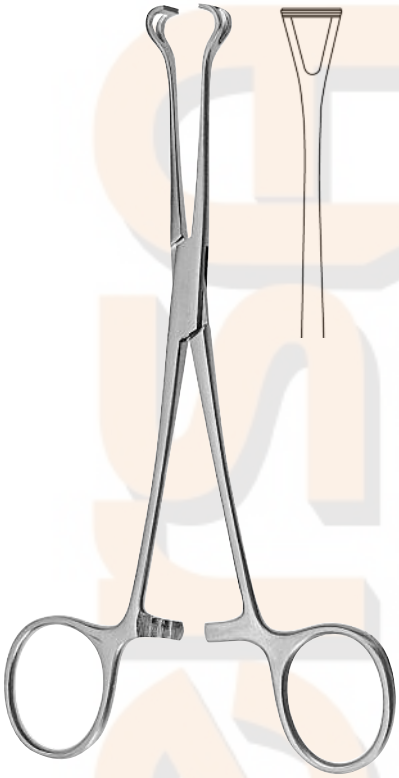
WILLIAMS

MS 114-155 16,0 cm / 6¼"



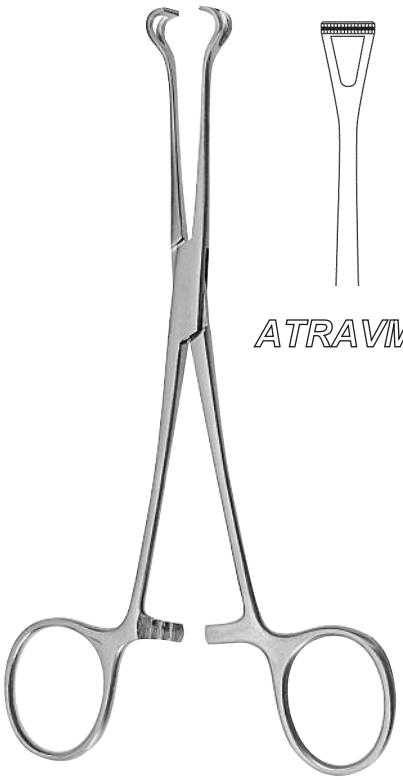
LITTLEWOOD

MS 114-160	18,5 cm / 7¼"



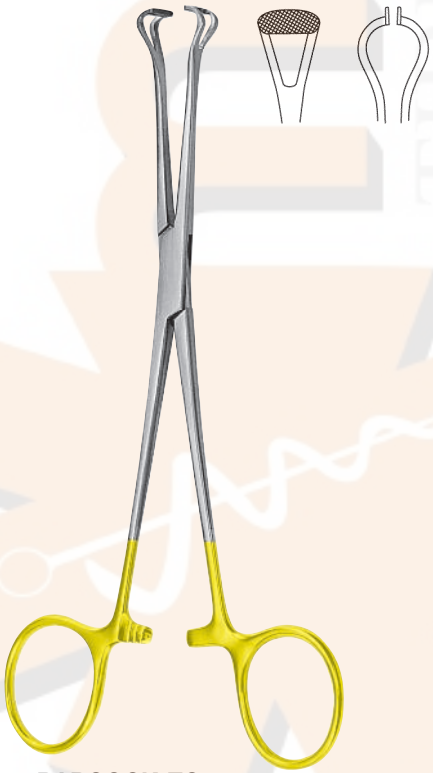
BABCOCK

MS 114-170	14,0 cm / 5½"
MS 114-171	16,0 cm / 8"
MS 114-172	18,0 cm / 7"
MS 114-173	20,0 cm / 8"
MS 114-174	24,0 cm / 9½"



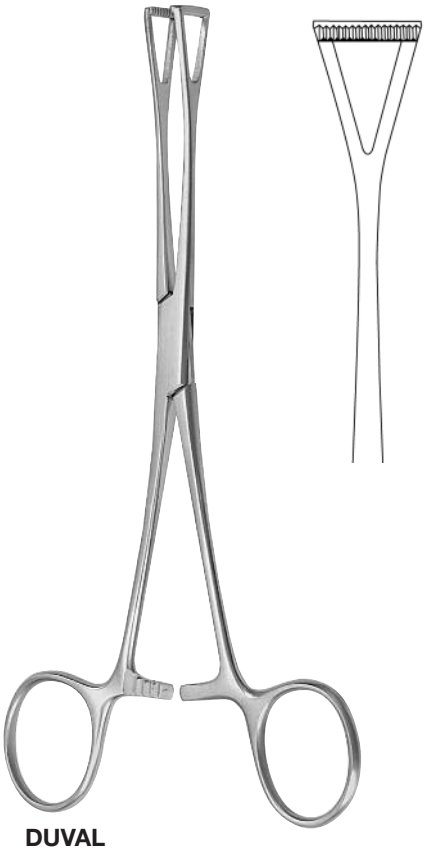
BABCOCK

MS 114-180	16,0 cm / 6¼"
MS 114-181	20,0 cm / 8"



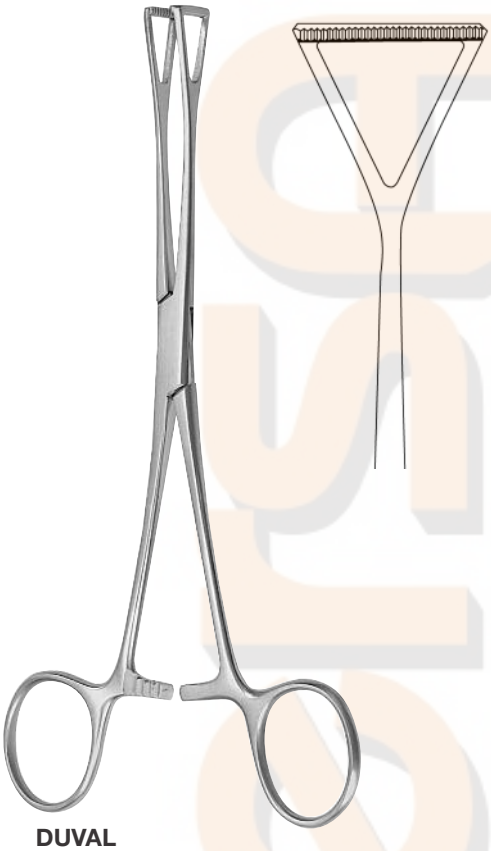
BABCOCK-TC

MS 114-190	16,0 cm / 6¼"
MS 114-191	20,0 cm / 8"



DUVAL

MS 114-195	18,0 cm / 7"
MS 114-196	20,0 cm / 8"



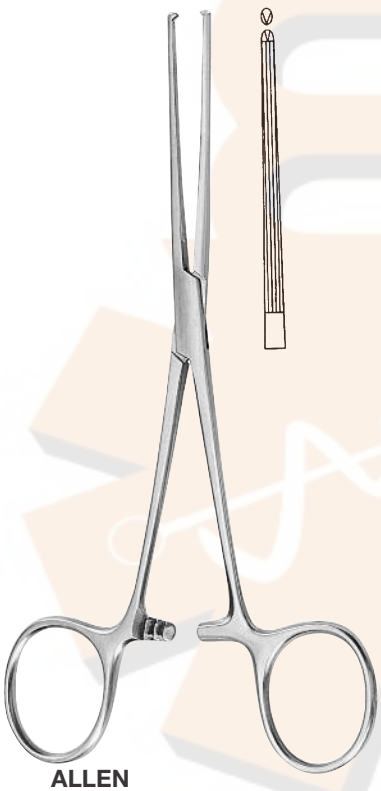
DUVAL

MS 114-197	20,0 cm / 8"
MS 114-198	23,0 cm / 9"



DUVAL-TC

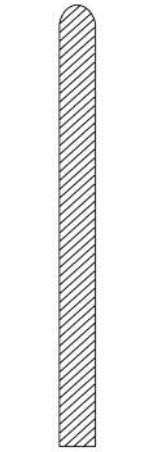
MS 114-205	20,0 cm / 8"



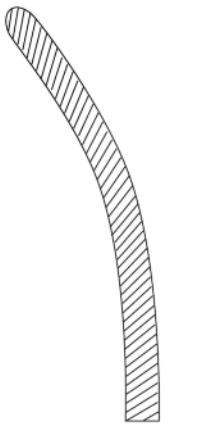
ALLEN

MS 114-210	15,5 cm / 6"





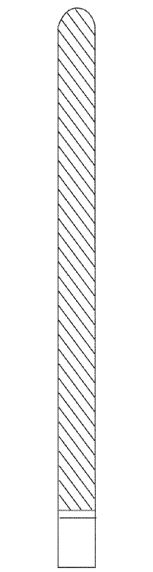
MS 114-220



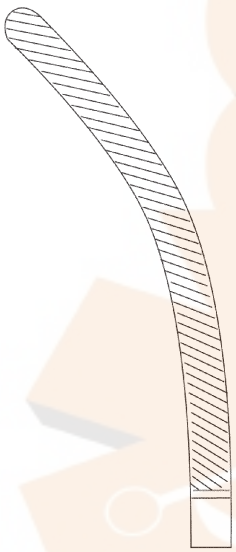
MS 114-221

BABY-DOYEN
18,0 cm / 7"



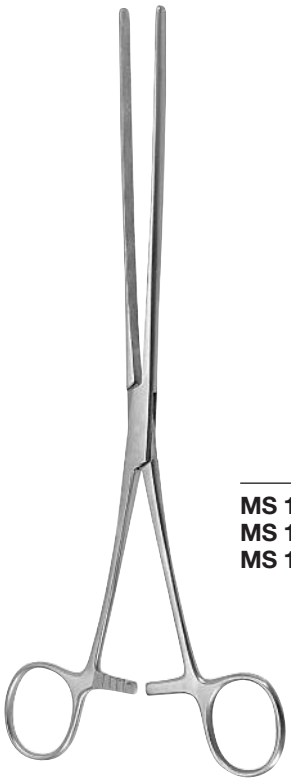


MS 114-230 21,0 cm / 8¼"
MS 114-231 23,0 cm / 9"

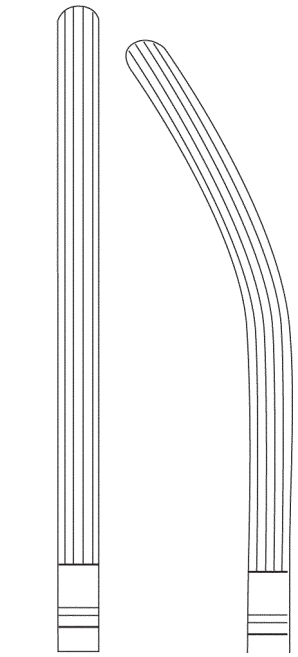


MS 114-232 21,0 cm / 8¼"
MS 114-233 23,0 cm / 9"

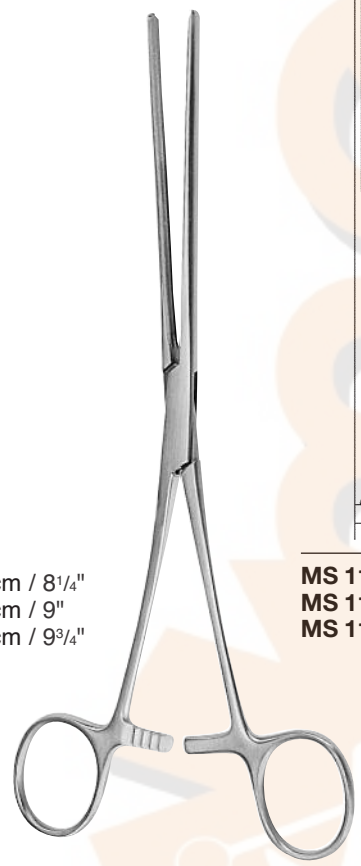
DOYEN



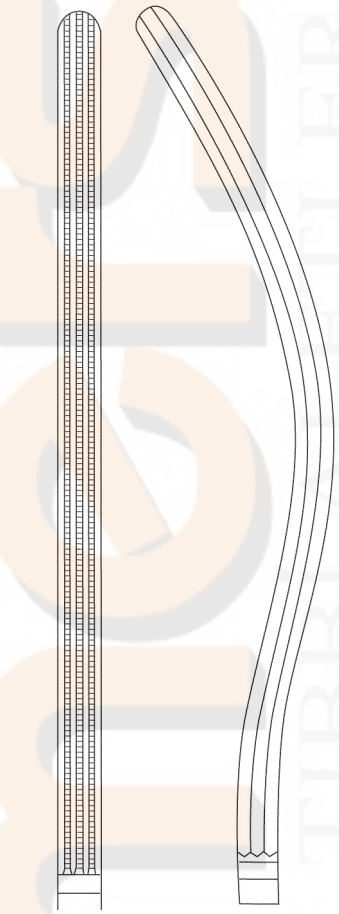
MAYO-ROBSON



MS 114-240	**MS 114-250**	21,0 cm / 8¼"
MS 114-241	**MS 114-251**	23,0 cm / 9"
MS 114-242	**MS 114-252**	25,0 cm / 9¾"



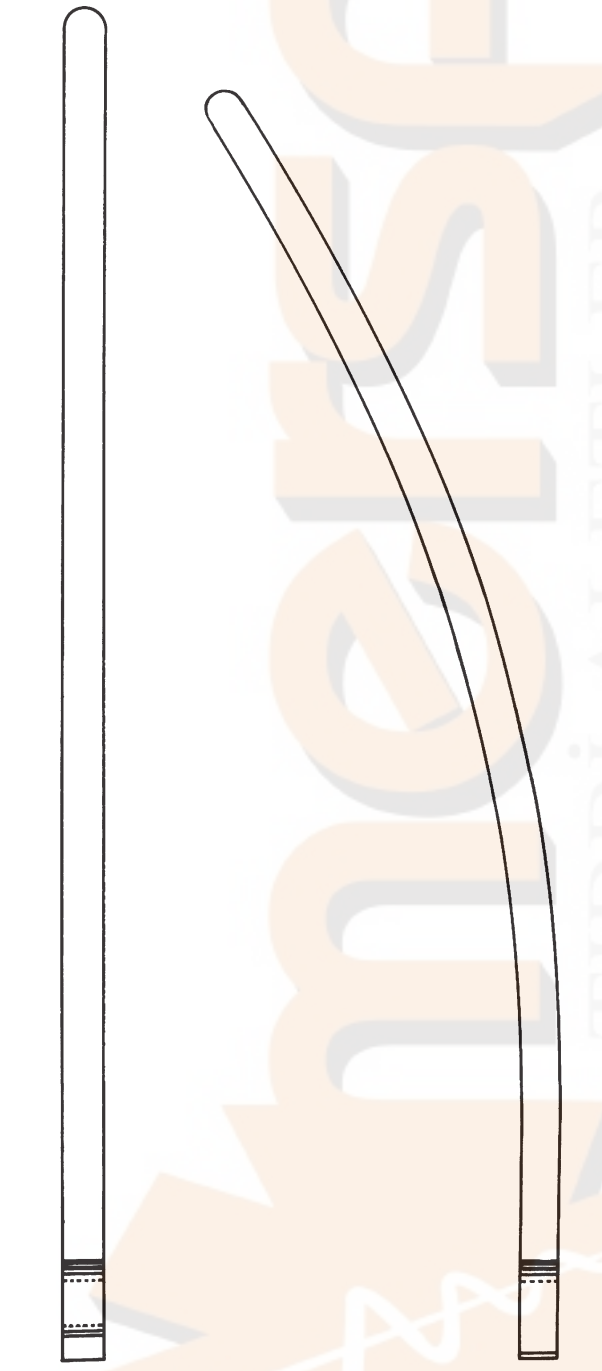
KOCHER



MS 114-260	**MS 114-270**	22,0 cm / 8¾"
MS 114-261	**MS 114-271**	25,0 cm / 9¾"
MS 114-262	**MS 114-272**	28,0 cm / 11"

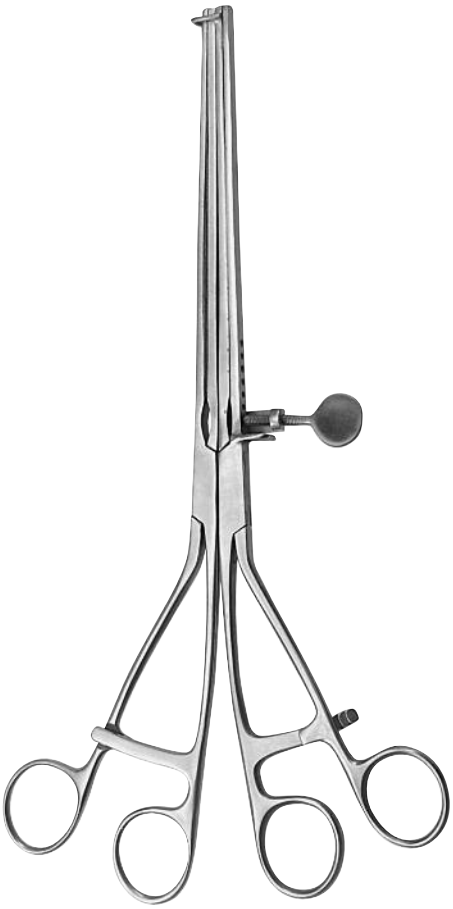


SCUDDER
33,0 cm / 13"

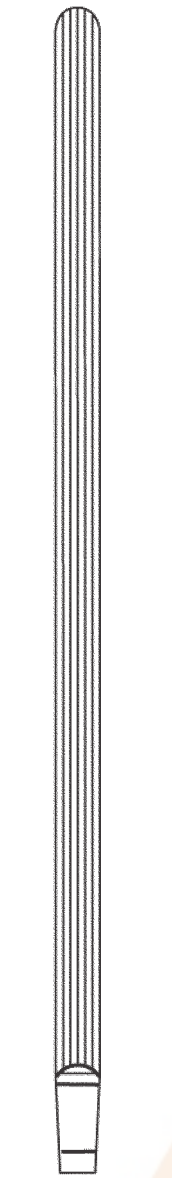


MS 114-280

MS 114-281



LANE
30,0 cm / 11¾"



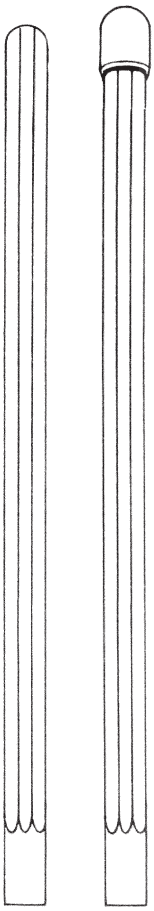
MS 114-290



MS 114-291



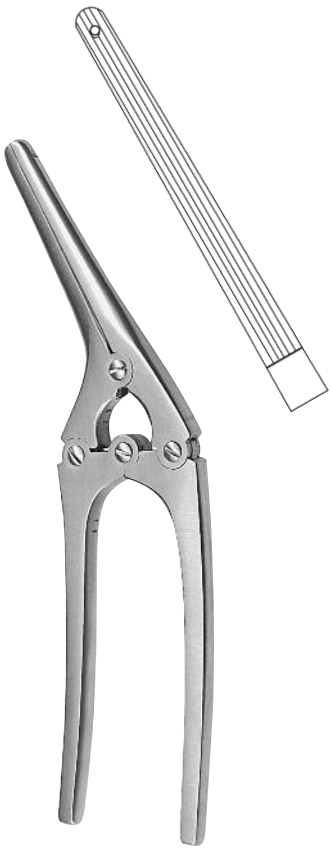
NUSSBAUM



MS 114-300	25,0 cm / 9¾"
MS 114-301	30,0 cm / 11¾"

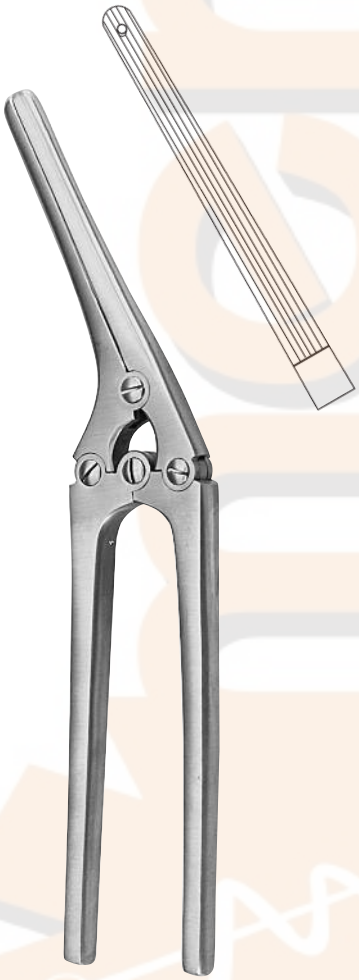


MS 114-305	25,0 cm / 9¾"
MS 114-306	30,0 cm / 11¾"



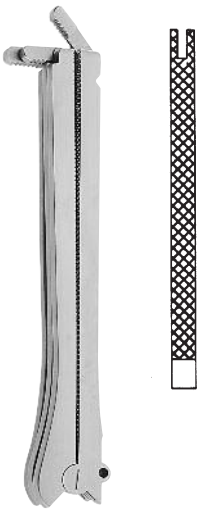
PAYR-BABY

MS 114-310	15,0 cm / 6"



PAYR

MS 114-311	21,0 cm / 8¼"
MS 114-312	29,0 cm / 11⅓"
MS 114-313	35,0 cm / 13¾"



DE MARTEL-WOLFSON

MS 114-320	5,0 cm / 2"
MS 114-321	7,0 cm / 2½"
MS 114-322	10,0 cm / 4"



DE MARTEL-WOLFSON

MS 114-330 26,0 cm / 10¼"



DE MARTEL-WOLFSON

MS 114-331 8,5 cm / 3½"

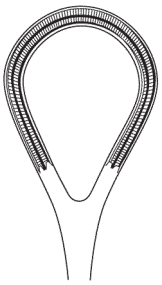


DE MARTEL-WOLFSON

MS 114-332 23,0 cm / 9"

ATRAVMATİK





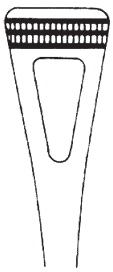
MS 114-340 25,0 cm / 9¾"



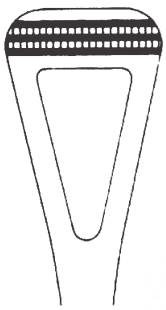
MS 114-341 26,0 cm / 10¼"



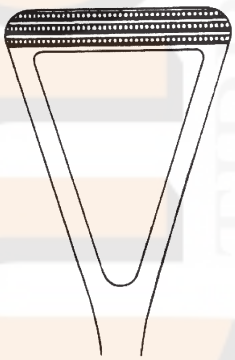
SCHEIBE



MS 114-345 18,0 cm / 7"



MS 114-346 20,5 cm / 8"

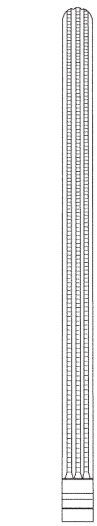


MS 114-347 23,0 cm / 9"

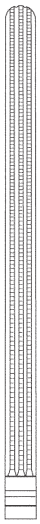
ATRAVMATİK



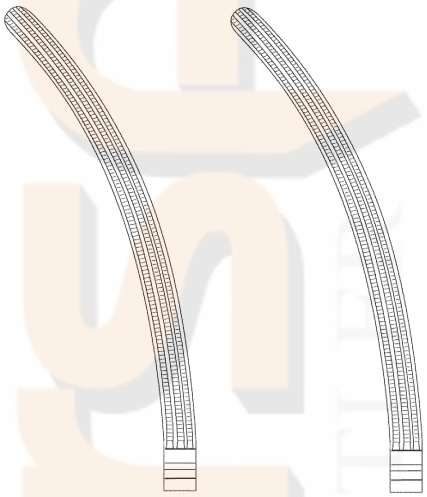
BABY-DOYEN



MS 114-360
13,0 cm / 5⅛"



MS 114-361
16,0 cm / 6¼"

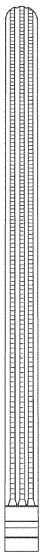


MS 114-365
13,0 cm / 5⅛"

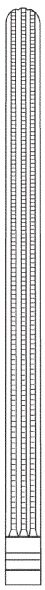
MS 114-366
16,0 cm / 6¼"



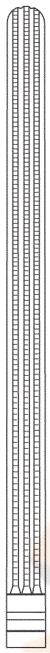
DOYEN



MS 114-367
18,0 cm / 7"



MS 114-368
21,0 cm / 8¼"



MS 114-369
23,0 cm / 9"



MS 114-380
18,0 cm / 7"



MS 114-381
21,0 cm / 8¼"

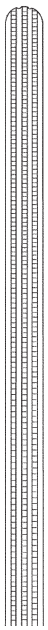


MS 114-382
23,0 cm / 9"

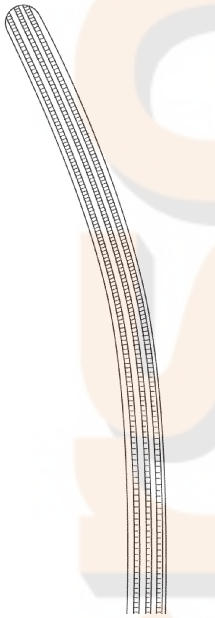
ATRAVMATİK



MAYO-ROBSON
25,0 cm / 9¾"



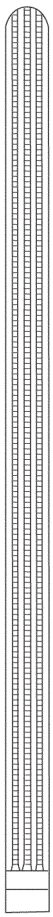
MS 114-390



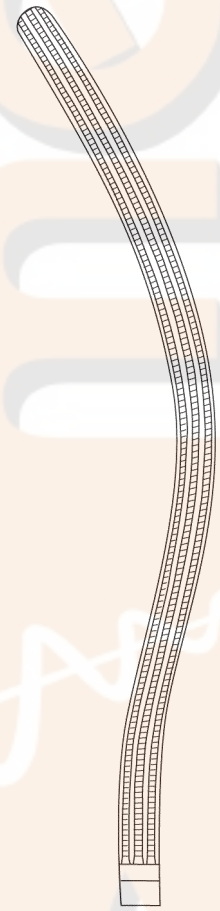
MS 114-391



KOCHER



MS 114-395	22,0 cm / 8¾"
MS 114-396	25,0 cm / 9¾"
MS 114-397	28,0 cm / 11"

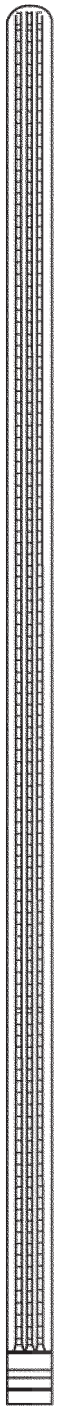


MS 114-400	22,0 cm / 8¾"
MS 114-401	25,0 cm / 9¾"
MS 114-402	28,0 cm / 11"

ATRAVMATİK



SCUDDER
33,0 cm / 13"



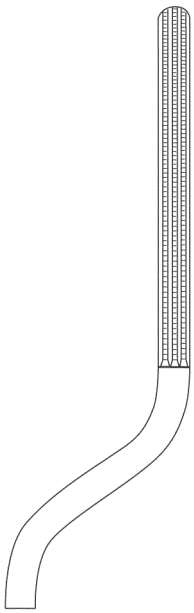
MS 114-410



MS 114-411

ATRAVMATİK

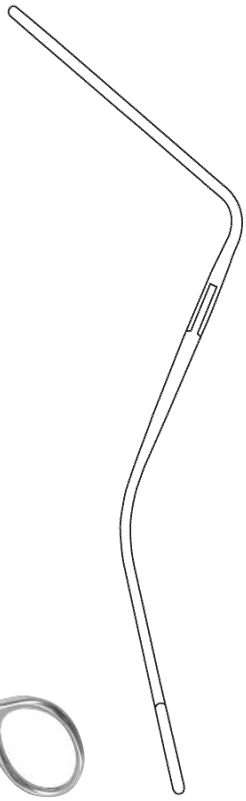




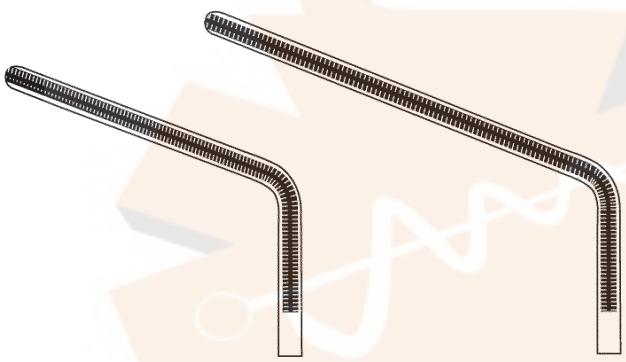
BRUNNER

MS 114-415 24,0 cm / 9½"





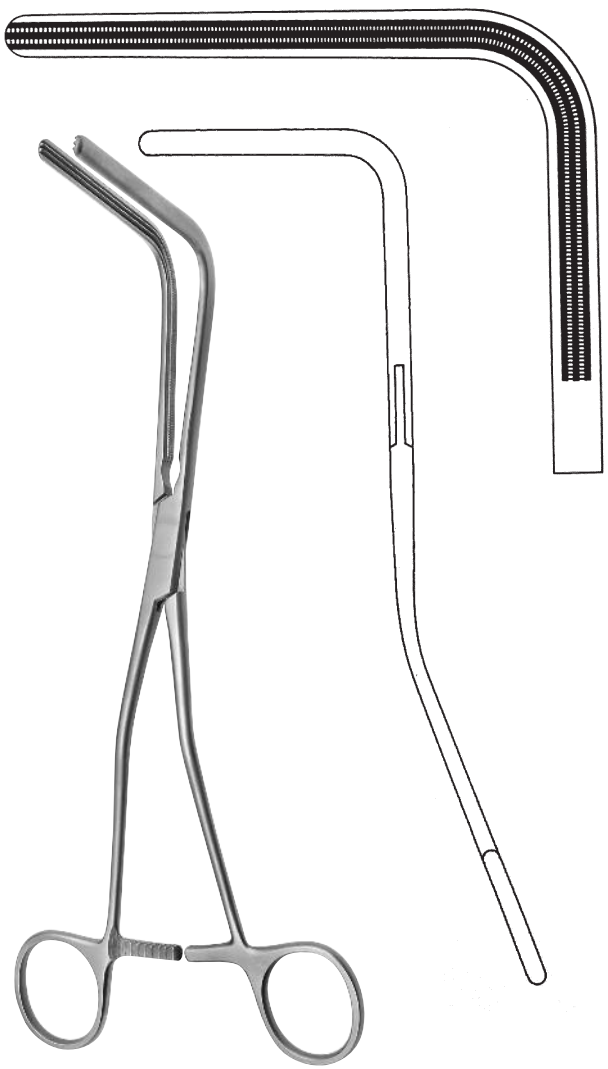
HAYES



MS 114-420 26,0 cm / 10"

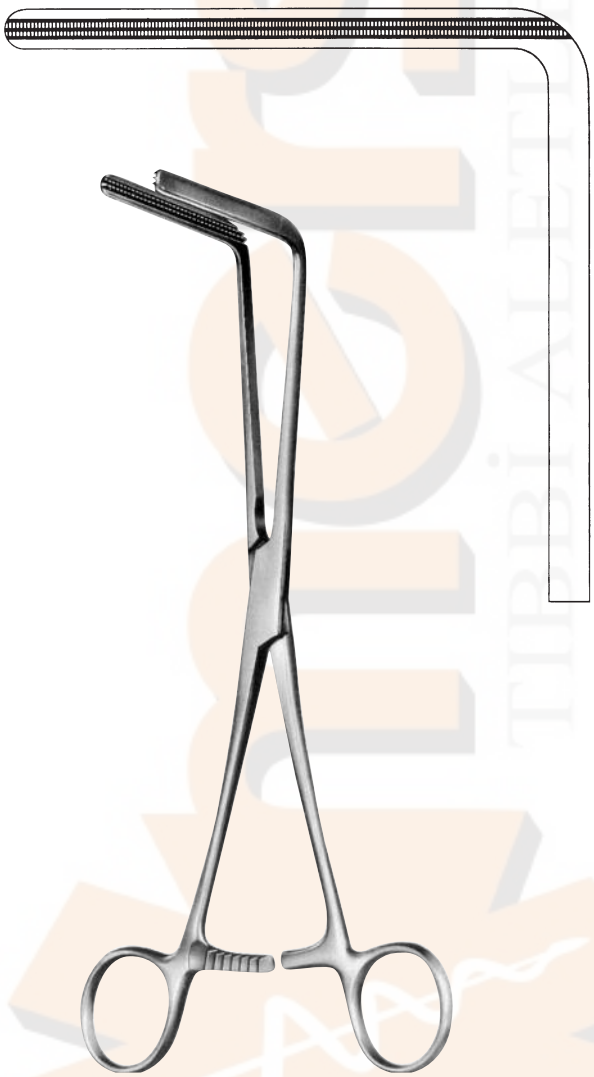
MS 114-421 28,0 cm / 11"

ATRAVMATİK



VEIDENHEIMER

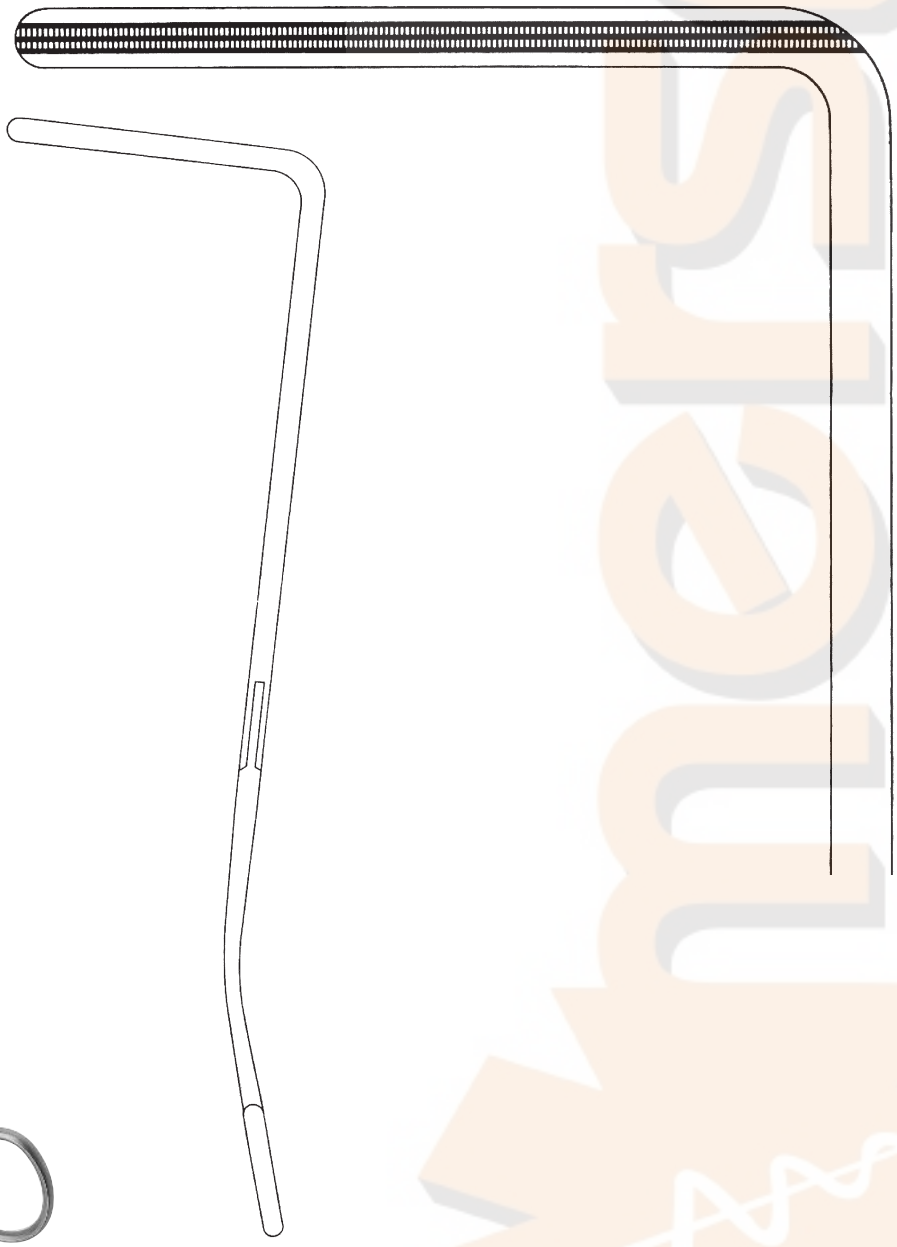
MS 114-430 25,0 cm / 9¾"



FEHLAND

MS 114-431 24,0 cm / 9½"





RESANO

MS 114-432 30,0 cm / 11"



CZERNY

MS 114-440 22,0 cm / 9½"



SIMS

MS 114-441 15,0 cm / 6"



BODENHAMMER

MS 114-442 15,0 cm / 6"



PRATT

MS 114-443 20,0 cm / 8"

70 x 22 mm



BARR

MS 114-444 17,0 cm / 6¾"



MATHIEU

MS 114-445 21,0 cm / 8¼"

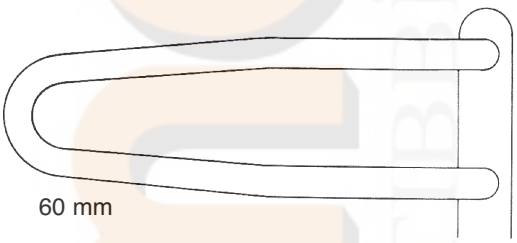


SMITH BUIE

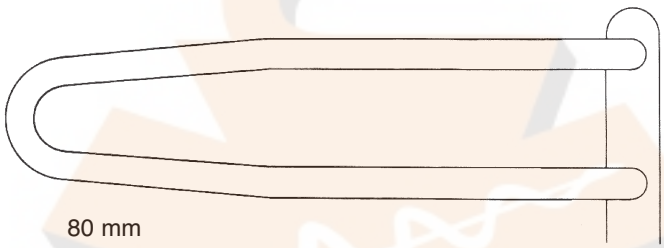
MS 114-446 15,0 cm / 6"



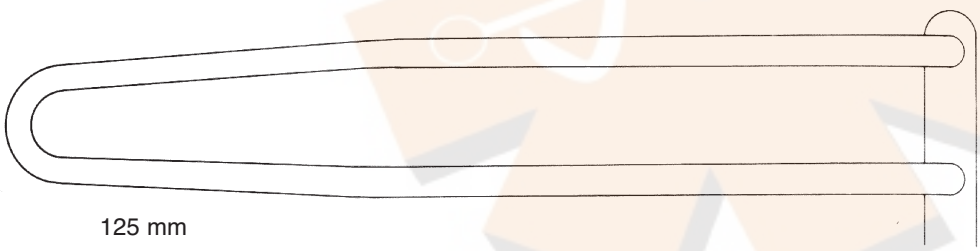
SCHULZE-BERGMANN



MS 114-451



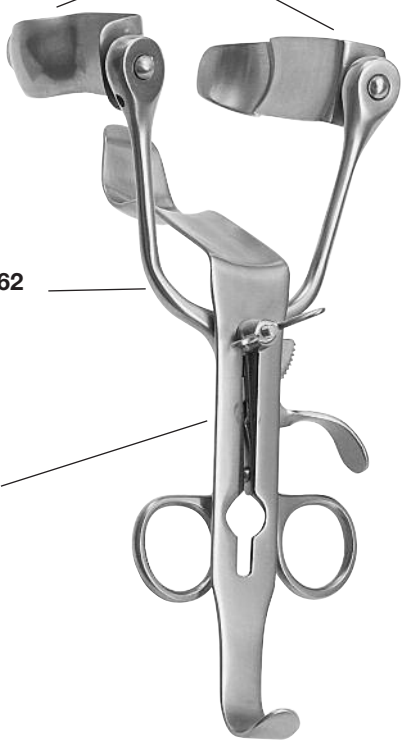
MS 114-452



MS 114-453

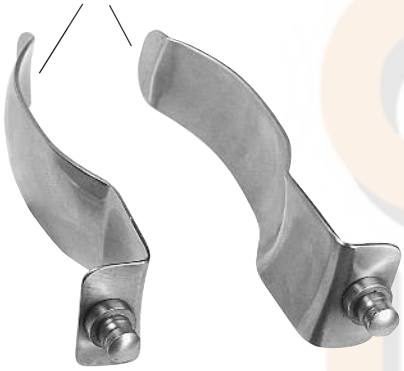
MS 114-464 22 x 75 mm

MS 114-465 22 x 95 mm



MS 114-462

MS 114-463
25 x 95 mm



ALAN PARKS

MS 114-461 13,5 cm / 5 3/8"
komle set soğuk ışık taşıyıcı ile
complete with cold light carrier

ALAN PARKS

MS 114-460 13,5 cm / 5 1/4"



oğuk ışık taşıyıcısız
without cold light carrier

IVES FANSLER

MS 114-470 Ø 22 mm

MS 114-472

Sadece plastik tıkaç
Obturator of plastic only



oğuk ışık taşıyıcı ile
with cold light carrier

IVES FANSLER

MS 114-471 Ø 22 mm

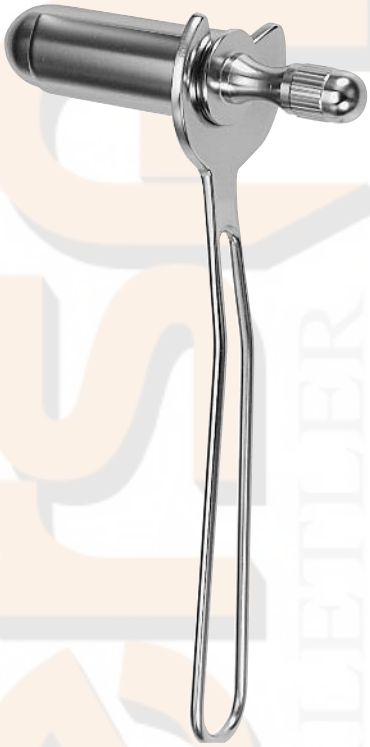
HIRSCHMANN

MS 114-480 Ø 16 x 65 mm
MS 114-481 Ø 19 x 65 mm
MS 114-482 Ø 22 x 70 mm



KELLY

MS 114-490	Ø 21 x 50 mm
MS 114-491	Ø 27 x 50 mm



FANSLER

MS 114-500	Ø 25 x 65 mm
MS 114-501	Ø 29 x 65 mm
MS 114-502	Ø 38 x 70 mm



MS 114-510



MS 114-511

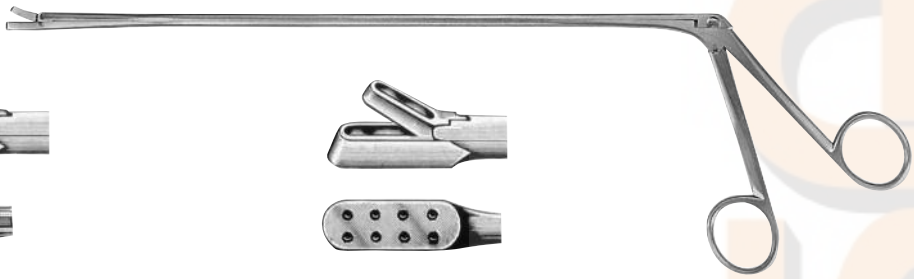


MS 114-512



PRATT

21,0 cm / 8¼"



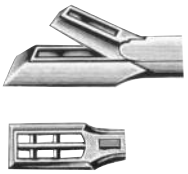
YEOMAN

MS 114-520	28,0 cm / 11"	
MS 114-521	35,0 cm / 13¾"	
MS 114-522	42,0 cm / 16½"	

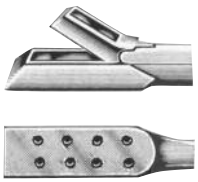


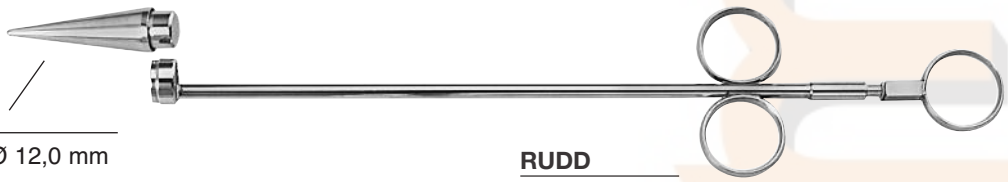
MS 114-530	28,0 cm / 11"	
MS 114-531	35,0 cm / 13¾"	
MS 114-532	42,0 cm / 16½"	

MS 114-540	28,0 cm / 11"	
MS 114-541	35,0 cm / 13¾"	
MS 114-542	42,0 cm / 16½"	



MS 114-550	28,0 cm / 11"	
MS 114-551	35,0 cm / 13¾"	
MS 114-552	42,0 cm / 16½"	

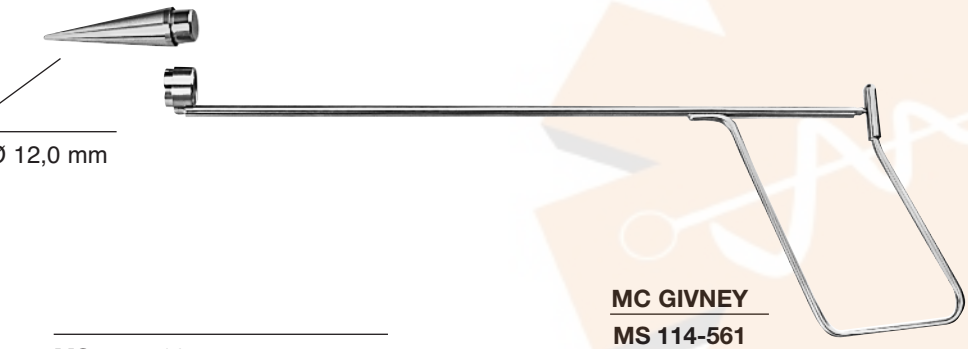




RUDD

MS 114-560

MS 114-563 Ø 12,0 mm



MC GIVNEY

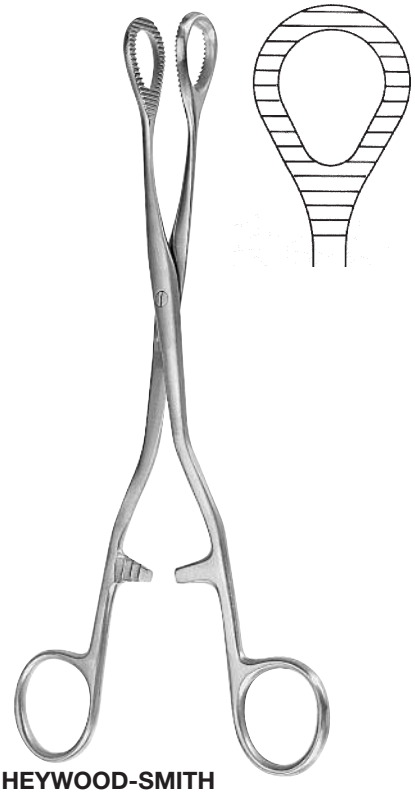
MS 114-561

MS 114-563 Ø 12,0 mm



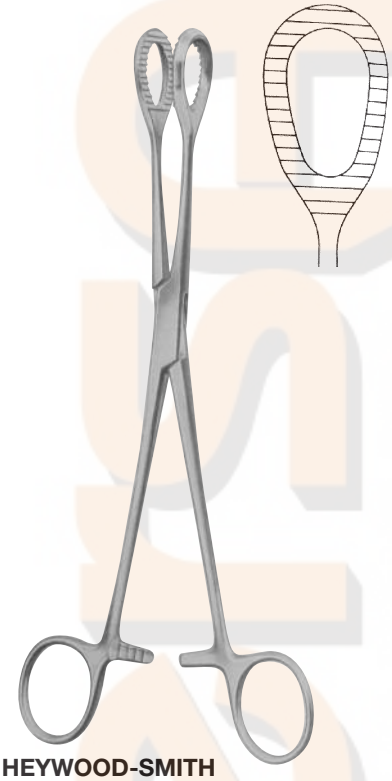
MS 114-562

100 adet lastik halkalar
ubber rings 100 pieces



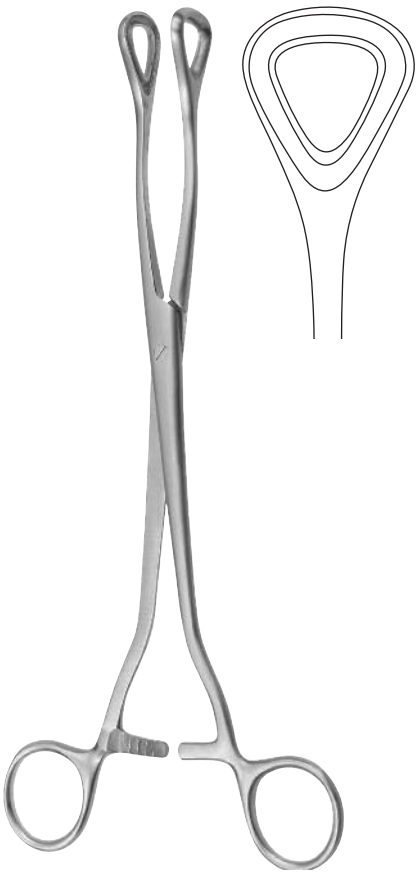
HEYWOOD-SMITH

MS 114-570	21,0 cm / 8¼"
MS 114-571	25,0 cm / 9¾"



HEYWOOD-SMITH

MS 114-575	21,0 cm / 8¼"
MS 114-576	25,0 cm / 9¾"



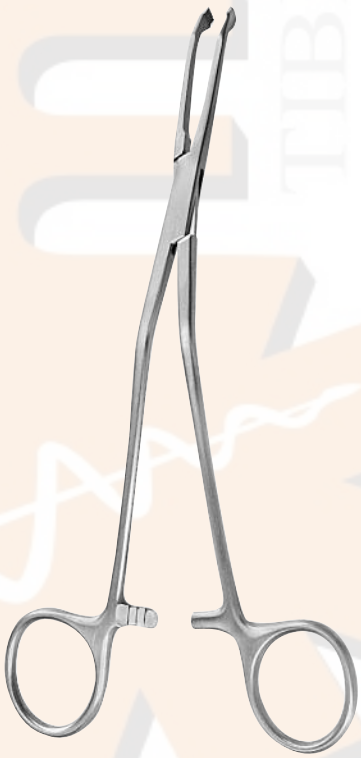
LUER

MS 114-580	24,5 cm / 9⅔"



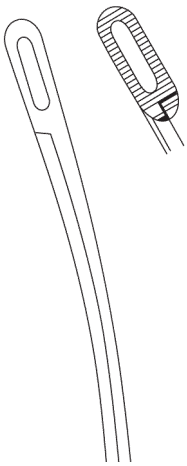
MC GIVNEY

MS 114-581	19,0 cm / 7½"

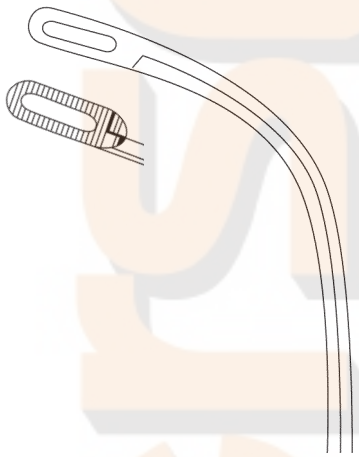


MC GIVNEY

MS 114-582	19,0 cm / 7½"



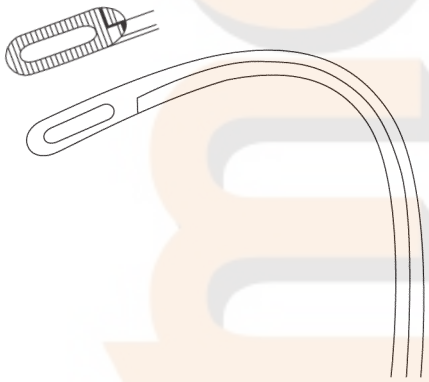
MS 114-590 23,0 cm / 9"



MS 114-591 22,0 cm / 8⅝"



RANDALL



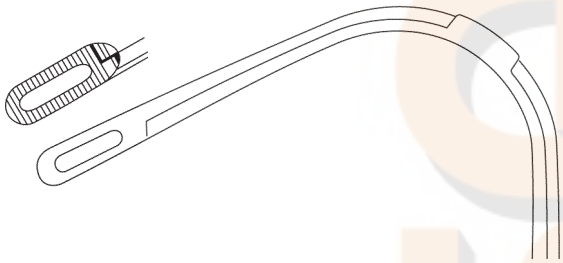
MS 114-592 22,0 cm / 8⅝"



MS 114-593 22,0 cm / 8⅝"



RANDALL
19,0 cm / 7½"



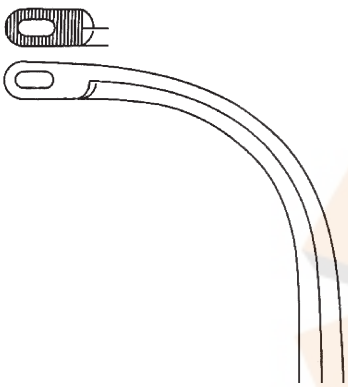
MS 114-594



MS 114-595



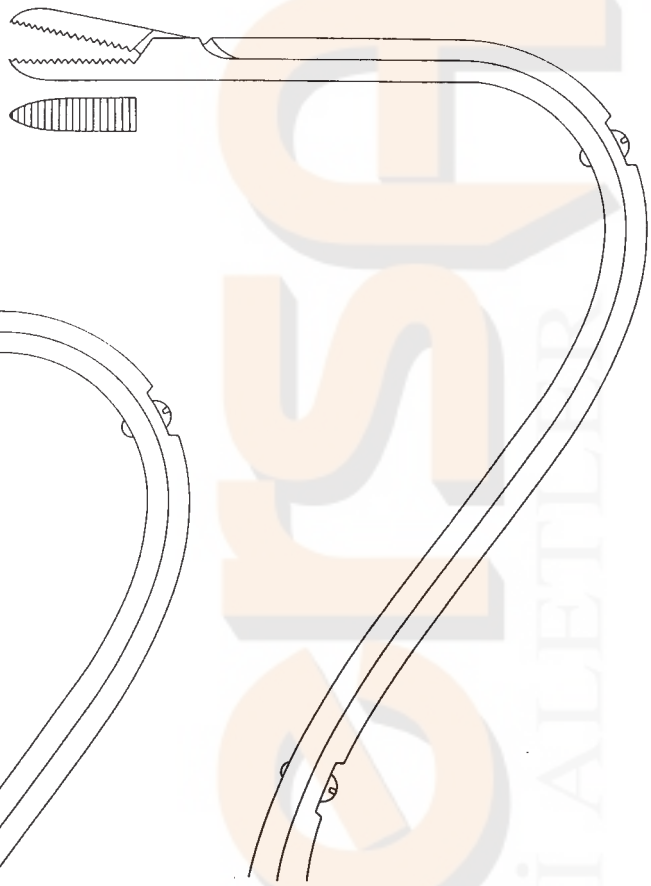
HEIMING



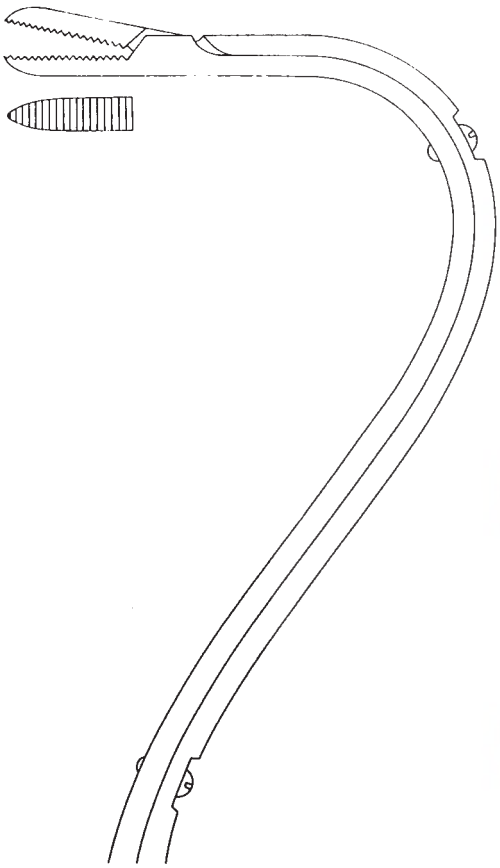
MS 114-600 16,0 cm / 6¼"



MS 114-601 17,0 cm / 6¾"



MS 114-606



MS 114-605



ELSÄSSER
21,0 cm / 8¼"



esnek şaft
malleable shaft

BAKES
30,0 cm / 11¾"

MS 114-611 Ø 1,0 mm



MS 114-612 Ø 2,0 mm



MS 114-613 Ø 3,0 mm



MS 114-614 Ø 4,0 mm



MS 114-615 Ø 5,0 mm



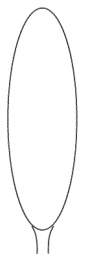
MS 114-616 Ø 6,0 mm



MS 114-617 Ø 7,0 mm



MS 114-618 Ø 8,0 mm



MS 114-619 Ø 9,0 mm



MS 114-620 Ø 10,0 mm

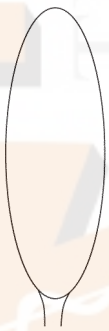
MS 114-610
Komple set
complete



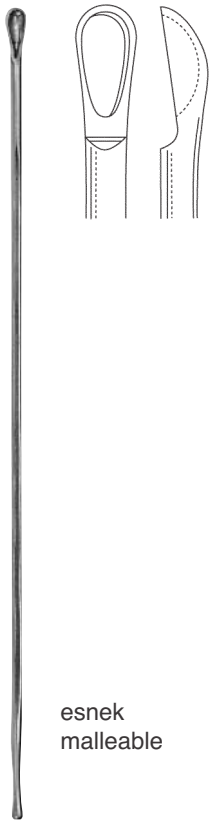
MS 114-621 Ø 11,0 mm



MS 114-622 Ø 12,0 mm



MS 114-623 Ø 13,0 mm



esnek
malleable

MOYNIHAN

MS 114-630 34,0 cm / 13¾"



MS 114-631 13 Charr.



MS 114-632 18 Charr.



MS 114-633 21 Charr.



flexible

DESJARDINS
28,0 cm / 11"



esnke
malleable

MAYO

MS 114-634 32,0 cm / 12½"

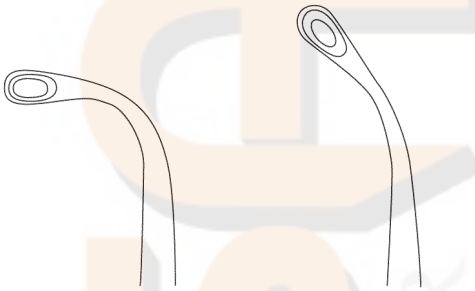


CZERNY

MS 114-640 24,5 cm / 9⅝"



URNER-WARWICK



MS 114-641
18,0 cm / 7"

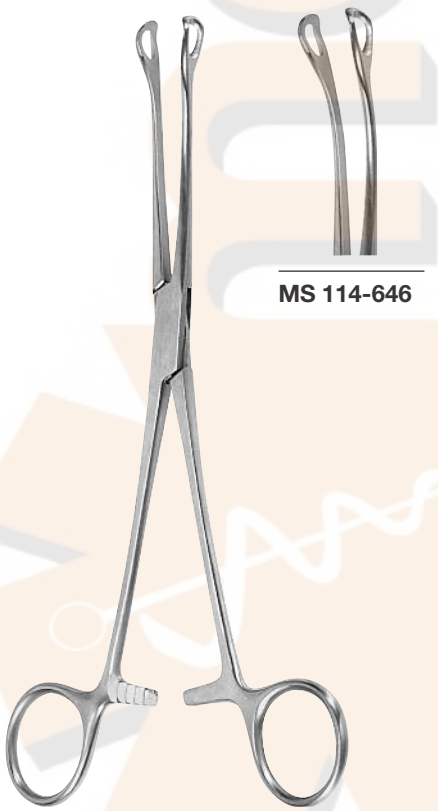
MS 114-642
19,0 cm / 7½"



BLAKE
20,0 cm / 8"



MS 114-643 **MS 114-644**



MS 114-646

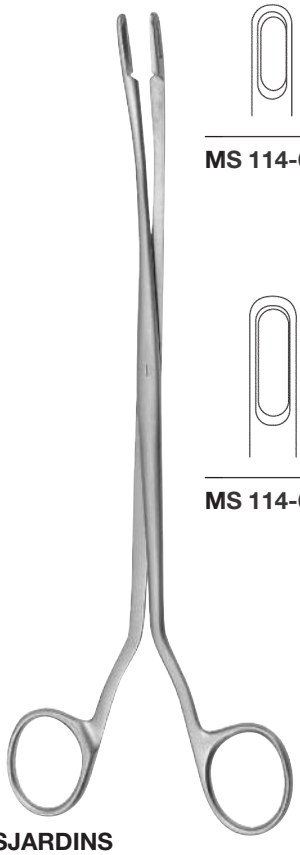
MAYO-BLAKE

MS 114-645 20,0 cm / 8"



MIXTER

MS 114-647 22,0 cm / 8¾"



MS 114-648

MS 114-649

DESJARDINS

23,0 cm / 9"



STILLE

MS 114-650 24,5 cm / 9⅔"





MS 114-660
17 Charr.



MS 114-661
21 Charr.



MS 114-662
24 Charr.

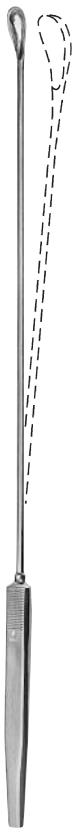


MS 114-663
27 Charr.

flexible

DESJARDINS

30,0 cm / 11¾"



LUER-KÖRTE

32,0 cm / 12½"

Fig. 000



MS 114-670
ø 2,5 mm

Fig. 00



MS 114-671
ø 3,2 mm

Fig. 0



MS 114-672
ø 4,2 mm

Fig. 1



MS 114-673
ø 5,5 mm

Fig. 2



MS 114-674
ø 6,7 mm

Fig. 3



MS 114-675
ø 8,0 mm

Fig. 4



MS 114-676
ø 11,0 mm

Fig. 5



MS 114-677
ø 15,0 mm

esnek şaft
malleable shaft



MOORE

MS 114-690 30,0 cm / 12"



MAYO

MS 114-691 28,0 cm / 11"



FERGUSSON

MS 114-692 21,5 cm / 8½"



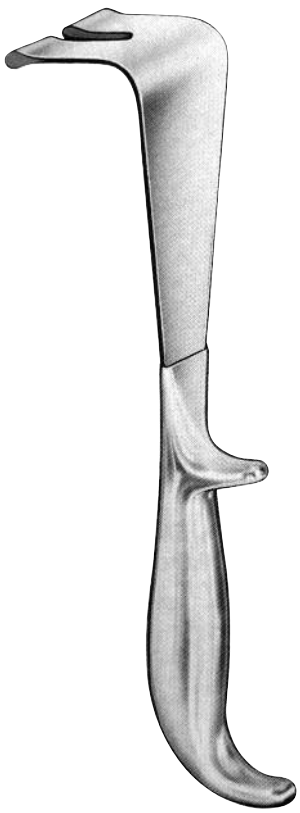
YOUNG
MS 114-700 21,0 cm / 8¼"



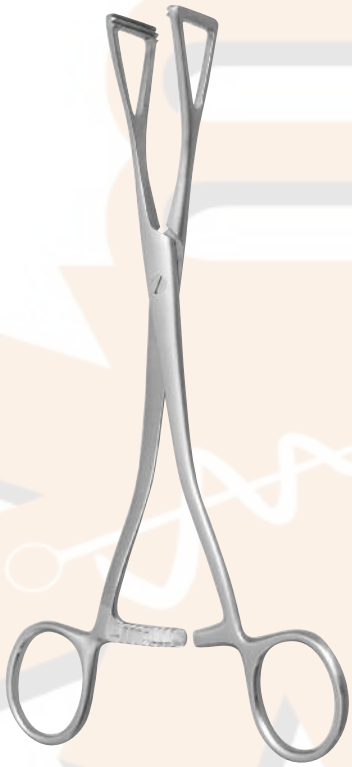
YOUNG
MS 114-701 22,0 cm / 8⅝"



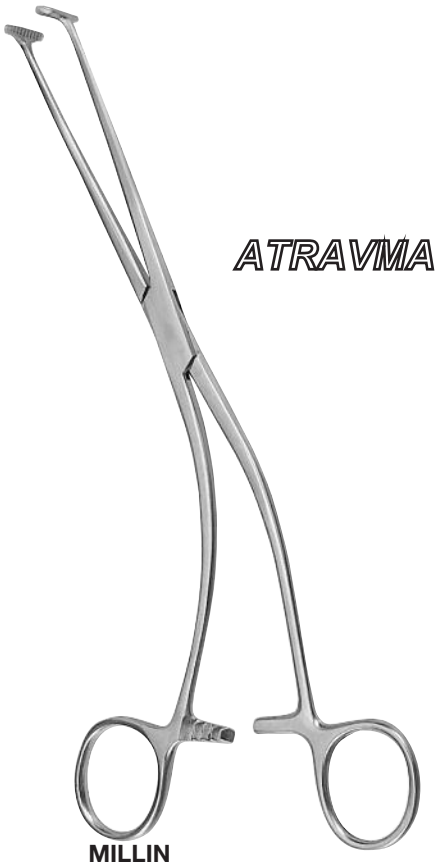
YOUNG
MS 114-705 21,0 cm / 8¼"



YOUNG
MS 114-706 22,0 cm / 8⅝"



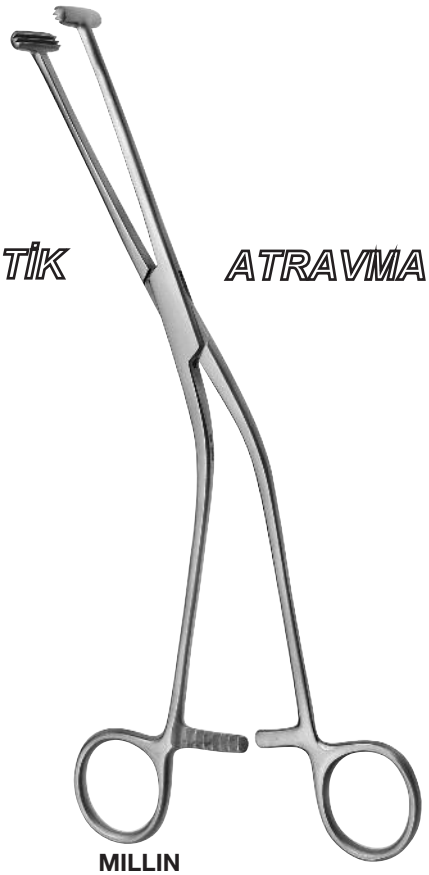
YOUNG
MS 114-707 20,0 cm / 8"



ATRAVMATİK

MILLIN

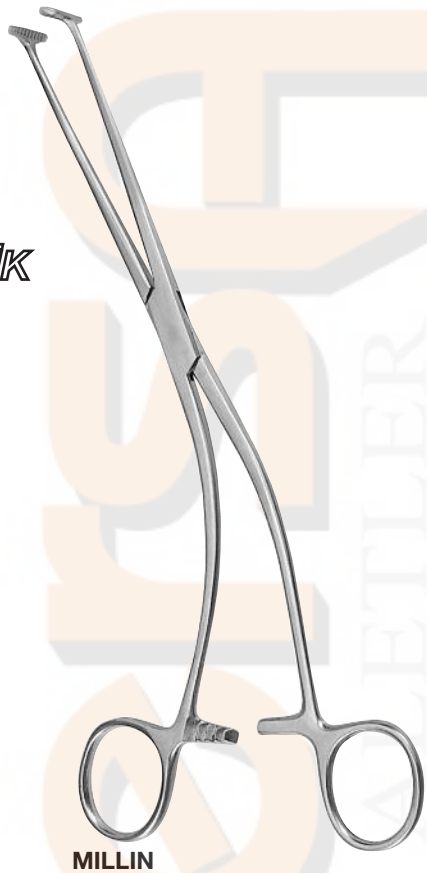
MS 114-710 24,0 cm / 9½"



ATRAVMATİK

MILLIN

MS 114-711 24,0 cm / 9½"



MILLIN

MS 114-712 24,0 cm / 9½"



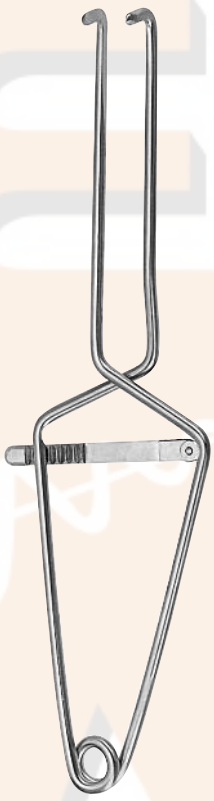
MILLIN

MS 114-713 23,0 cm / 9"



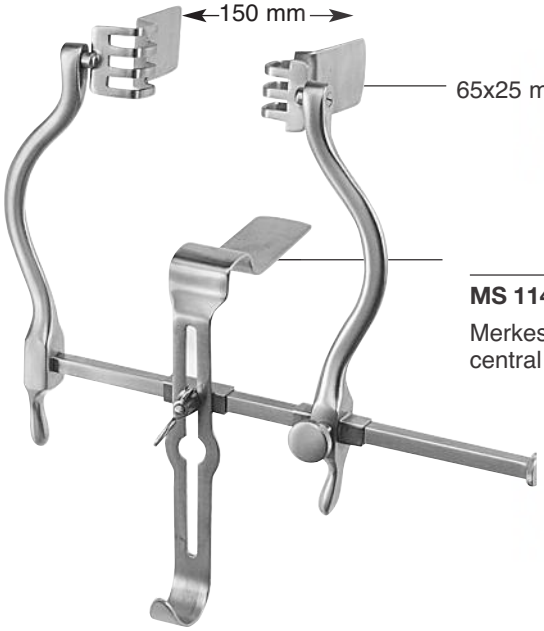
MILLIN

MS 114-714 24,0 cm / 9½"



MILLIN

MS 114-715 28,5 cm / 11¼"



JUDD-MASSON

MS 114-730

Merkes bleyssiz
without central blade

MS 114-732 75x25 mm

Merkes bleys
central blade

JUDD-MASSON

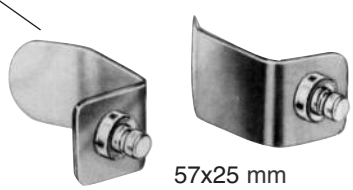
MS 114-731

Merkez bleys ile
with central blade

JUDD-MASSON

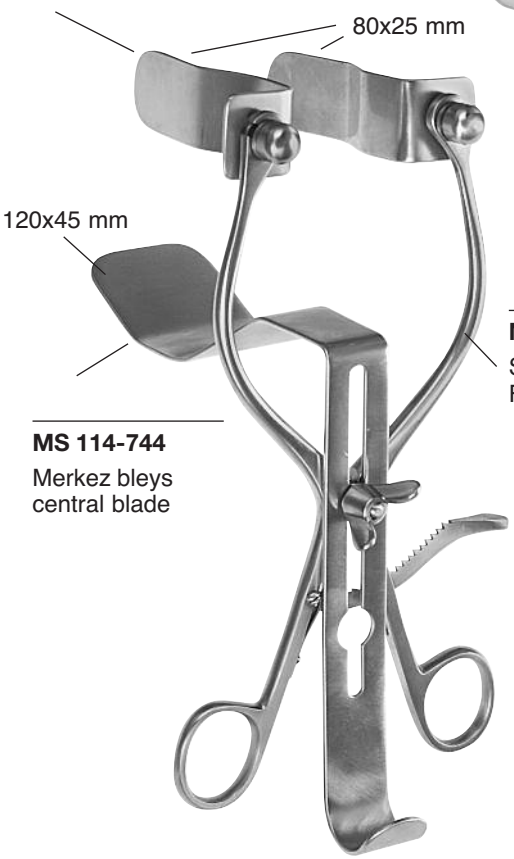
MS 114-742

Yan bleys
latral blades



MS 114-743

Yan bleys
latral blades



MS 114-741

Sadece çerçece
Frame only

MS 114-744

Merkez bleys
central blade



MS 114-746

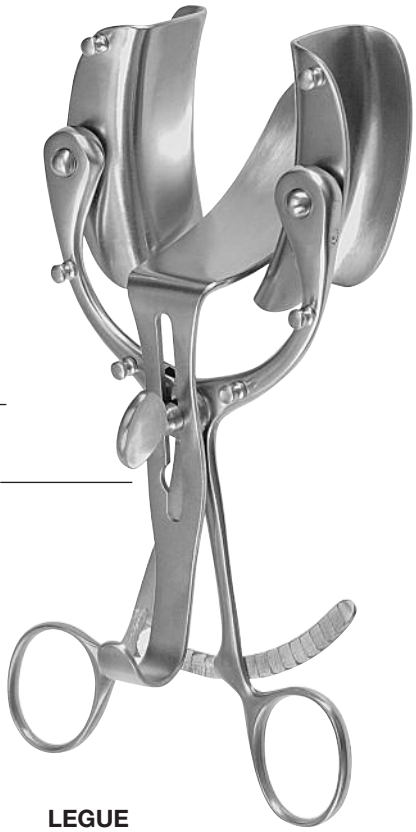
soğuk ışık yaşıyıcı
cold light carrier

MILLIN

MS 114-740

MILLIN

MS 114-745



MS 114-751 28 x 60 mm
Yan Bleyd
latral blades

MS 114-752 70 x 32 mm
Merkez bleys
center blade

LEGUE
MS 114-750

35 mm

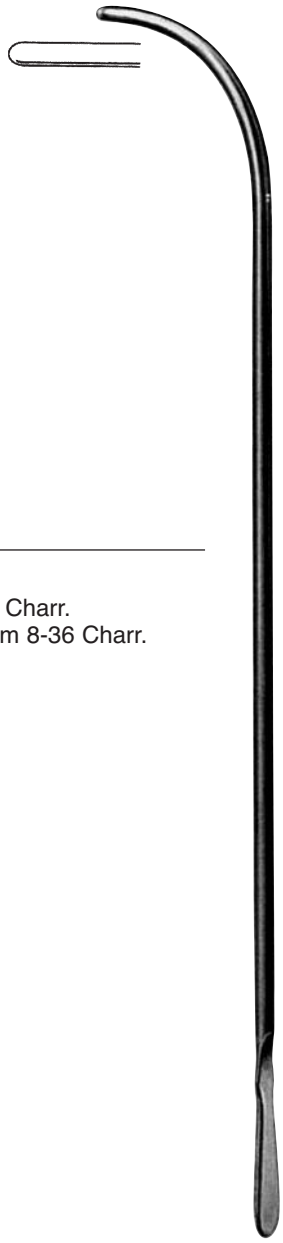


67 mm



LEGUEU
MS 114-753 27,0 cm / 10¾"

KOCHER
MS 114-754 27,0 cm / 10¾"



MS 114-770

Komple set 8-36 Charr.
Set complete from 8-36 Charr.





VAN BUREN

MS 114-771	Ø 2⅔ mm	Char. 8
MS 114-772	Ø 3⅓ mm	Char. 10
MS 114-773	Ø 4 mm	Char. 12
MS 114-774	Ø 4⅔ mm	Char. 14
MS 114-775	Ø 5⅓ mm	Char. 16
MS 114-776	Ø 6 mm	Char. 18
MS 114-777	Ø 6⅔ mm	Char. 20
MS 114-778	Ø 7⅓ mm	Char. 22
MS 114-779	Ø 8 mm	Char. 24
MS 114-780	Ø 8⅔ mm	Char. 26
MS 114-781	Ø 9⅓ mm	Char. 28
MS 114-782	Ø 10 mm	Char. 30
MS 114-783	Ø 10⅔ mm	Char. 32
MS 114-784	Ø 11⅓ mm	Char. 34
MS 114-785	Ø 12 mm	Char. 36

GUYON

MS 114-800	Ø 4 mm	Char. 12
MS 114-801	Ø 4⅓ mm	Char. 13
MS 114-802	Ø 4⅔ mm	Char. 14
MS 114-803	Ø 5 mm	Char. 15
MS 114-804	Ø 5⅓ mm	Char. 16
MS 114-805	Ø 5⅔ mm	Char. 17
MS 114-806	Ø 6 mm	Char. 18
MS 114-807	Ø 6⅓ mm	Char. 19
MS 114-808	Ø 6⅔ mm	Char. 20
MS 114-809	Ø 7 mm	Char. 21
MS 114-810	Ø 7⅓ mm	Char. 22
MS 114-811	Ø 7⅔ mm	Char. 23
MS 114-812	Ø 8 mm	Char. 24
MS 114-813	Ø 8⅓ mm	Char. 25
MS 114-814	Ø 8⅔ mm	Char. 26
MS 114-815	Ø 9 mm	Char. 27
MS 114-816	Ø 9⅓ mm	Char. 28
MS 114-817	Ø 9⅔ mm	Char. 29
MS 114-818	Ø 10 mm	Char. 30

FILIFORM

MS 114-830	Char. 3
MS 114-831	Char. 4
MS 114-832	Char. 5
MS 114-833	Char. 6



erkek için
for male

27,0 cm / 10¾"

MS 114-850	Char. 8	ø 2⅔ mm
MS 114-851	Char. 10	ø 3⅓ mm
MS 114-852	Char. 12	ø 4 mm
MS 114-853	Char. 14	ø 4⅔ mm
MS 114-854	Char. 16	ø 5⅓ mm
MS 114-855	Char. 18	ø 6 mm
MS 114-856	Char. 20	ø 6⅔ mm
MS 114-857	Char. 22	ø 7⅓ mm
MS 114-858	Char. 24	ø 8 mm



bayan için
for female

15,0 cm / 6"

MS 114-870	Char. 6	ø 2 mm
MS 114-871	Char. 7	ø 2⅓ mm
MS 114-872	Char. 8	ø 2⅔ mm
MS 114-873	Char. 9	ø 3 mm
MS 114-874	Char. 10	ø 3⅓ mm
MS 114-875	Char. 11	ø 3⅔ mm
MS 114-876	Char. 12	ø 4 mm
MS 114-877	Char. 13	ø 4⅓ mm
MS 114-878	Char. 14	ø 4⅔ mm
MS 114-879	Char. 15	ø 5 mm
MS 114-880	Char. 16	ø 5⅓ mm
MS 114-881	Char. 18	ø 6 mm
MS 114-882	Char. 20	ø 6⅔ mm
MS 114-883	Char. 22	ø 7⅓ mm
MS 114-884	Char. 24	ø 8 mm



COMCO

MS 114-900	ø 8,0 mm
MS 114-901	ø 11,0 mm
MS 114-902	ø 13,0 mm
MS 114-903	ø 16,0 mm
MS 114-904	ø 21,0 mm
MS 114-905	ø 26,0 mm
MS 114-906	ø 32,0 mm



KNUTSON-KOCH
MS 114-911

KNUTSON
MS 114-910



MOGAN
MS 114-920 7,5 cm / 3"



GUYON
MS 114-921 39,0 cm / 16"



GUYON
MS 114-922 35,0 cm / 13¾"



STRAUSS

MS 114-930 11,0 cm / 4 1/3"



STOCKMANN

MS 114-931 8,0 cm / 3 1/4"



MATHIEU

MS 114-940 20,0 cm / 8"
MS 114-941 28,0 cm / 11"

mersa
TIBBİ ALETLER

115



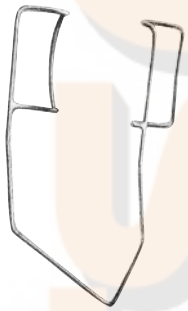
GÖZ CERRAHİ
OPHTHALMOLOGY



SCHIOETZ

MS 115-101
düz ölçekli
with straight scale

MS 115-102
eğri ölçekli
with curved scale



BARRAQUER (COLIBRI)

MS 115-105 3,0 cm / 1¼"

çocuk için
for children

BARRAQUER (COLIBRI)

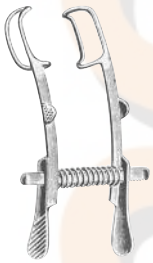
MS 115-106 4,0 cm / 1½"

yetişkin için
for adults



BOWMAN

MS 115-110 7,0 cm / 2¾"



MELLINGER

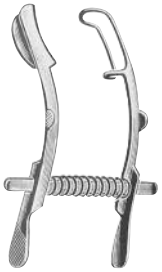
MS 115-111 5,0 cm / 2"

çocuk için
for children

MELLINGER

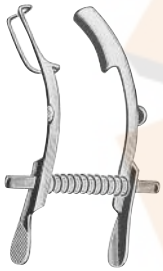
MS 115-112 7,0 cm / 2¾"

yetişkin için
for adults



MELLINGER-AXENFELD

MS 115-113 7,0 cm / 2¾"



MELLINGER-AXENFELD

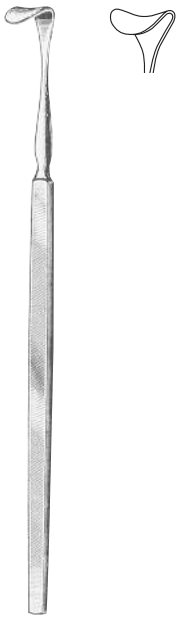
MS 115-114 7,0 cm / 2¾"



CASTROVIEJO

MS 115-115 8,0 cm / 3⅛"

9 mm



DESMARRES

MS 115-130 13,0 cm / 5⅛"



DESMARRES

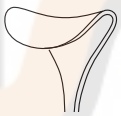
13,0 cm / 5⅛"



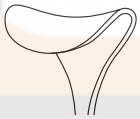
MS 115-131 12 mm



MS 115-132 14 mm



MS 115-133 16 mm



MS 115-134 18 mm



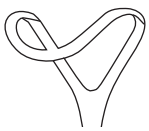
MS 115-135 12 mm



MS 115-136 14 mm



MS 115-137 16 mm



MS 115-138 18 mm



DESMARRES

13,0 cm / 5⅛"



JAEGER

MS 115-150 11,0 cm / 4½"



GRAEFE
13,0 cm / 5⅛"



FIG.0
MS 115-155



FIG.1
MS 115-156



FIG.2
MS 115-157



FIG.3
MS 115-158



FIG.1
MS 115-170

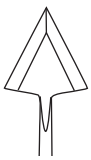


FIG.2
MS 115-171





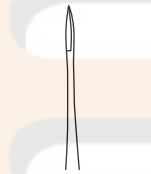
FIG.3
MS 115-172

JAEGER-GRIESHABER

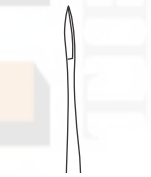




MS 115-180



MS 115-181



MS 115-182

KNAPP



5 mm

MS 115-190

6 mm



MS 115-191

7 mm



MS 115-192

ZIEGLER
13,0 cm / 5⅛"





FIG.1

MS 115-200



FIG.2

MS 115-201



FIG.3

MS 115-202



FIG.4

MS 115-203

13,0 cm / 5⅛"





MS 115-210



MS 115-211

BOWMAN
12,0 cm / 4¾"





MS 115-220



MS 115-221

13,0 cm / 5⅛"



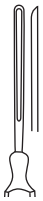
12,0 cm / 4¾"



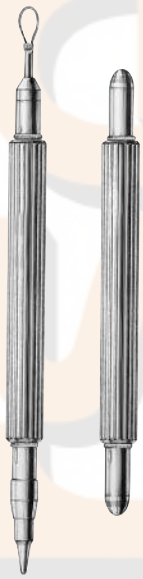
WALTON
MS 115-230



WALTON
MS 115-231



MEYER
MS 115-232



STANDART
MS 115-240



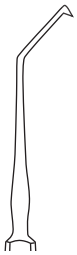
GRAEFE
13,0 cm / 5⅛"



MS 115-250



MS 115-251



MS 115-252



GRAEFE
12,0 cm / 4¾"



MS 115-260
sivri
shap



MS 115-261
künt
blunt



GUTHRIE



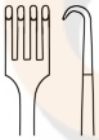
MS 115-270
12,0 cm / 4¾"



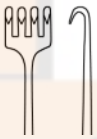
MS 115-271
13,0 cm / 5⅛"



13,0 cm / 5⅛"



KNAPP
MS 115-280
künt
blunt



ROLLET
MS 115-281
sivri
shap



KNAPP-ROLLET
13,0 cm / 5⅛"



MS 115-290



MS 115-291



MS 115-292

esnek
flexible



AXENFELD
15,0 cm / 6"



MS 115-300
sivri
shap



MS 115-301
künt
blunt



MS 115-302
sivri
shap



MS 115-303
künt
blunt



GRAEFE



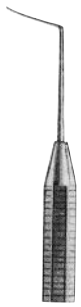
MS 115-310
13,0 cm / 5 1/8"



MS 115-311
14,0 cm / 5 1/2"



MS 115-312
15,0 cm / 6"



CASTROVIEJO-BARRAQUER

0,5 mm



MS 115-320 8 mm



MS 115-321 10 mm



MS 115-322 12 mm



MS 115-323 14 mm



MS 115-324 16 mm



MS 115-325 18 mm



CASTROVIEJO-BARRAQUER

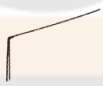
1,0 mm



MS 115-330 8 mm



MS 115-331 10 mm



MS 115-332 12 mm



MS 115-333 14 mm



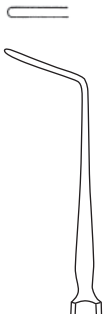
MS 115-334 16 mm



MS 115-335 18 mm

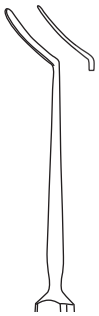


1,2 x 12 mm



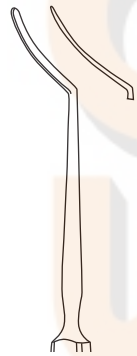
ELSCHNIG
MS 115-340
13,0 cm / 5 1/8"

1,2 x 10 mm



CASTROVIEJO
MS 115-341
13,0 cm / 5 1/8"

1,5 x 15 mm



CASTROVIEJO
MS 115-342
14,0 cm / 5 1/2"



WEBER



MS 115-350
13,0 cm / 5 1/8"



MS 115-351
14,0 cm / 5 1/2"

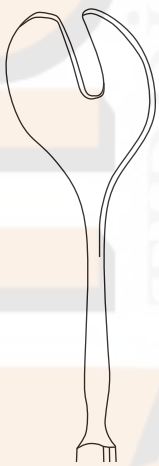


WELLS



MS 115-355
16,0 cm / 6 1/4"

küçük
small



MS 115-356
20,0 cm / 8"

büyük
large



MEYHOEFER
13,0 cm / 5⅛"

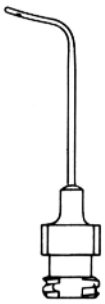
Ø 0,5 mm	Ø 1,0 mm	Ø 1,5 mm	Ø 1,8 mm	Ø 2,0 mm	Ø 2,5 mm
					
MS 115-360	**MS 115-361**	**MS 115-362**	**MS 115-363**	**MS 115-364**	**MS 115-365**

Ø 3,5 mm	Ø 4,0 mm	Ø 4,5 mm
		
MS 115-366	**MS 115-367**	**MS 115-368**



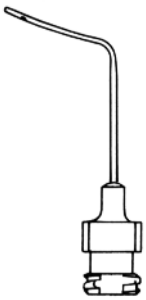
HEBRA
13,0 cm / 5⅛"

Ø 1,0 mm	Ø 2,0 mm	Ø 2,5 mm	Ø 3,0 mm	Ø 3,5 mm
				
MS 115-380	**MS 115-381**	**MS 115-382**	**MS 115-383**	**MS 115-384**



CASTROVIEJO

MS 115-390 1,0 mm



CASTROVIEJO

MS 115-391 1,5 mm



LUER LOCK

MS 115-395 27 Gauch



LUER LOCK

MS 115-396 30 Gauch



MS 115-401

Sadece sap
Handle only

Ø 1,5 mm



MS 115-402

Ø 2,0 mm



MS 115-403

ELLIOT

MS 115-400

Komple set, complete



HOLTH

MS 115-410 9,0 cm / 3½"



WEST

MS 115-411 16,0 cm / 6¼"



WEST

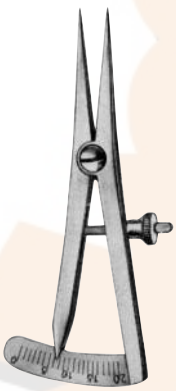
MS 115-412 16,0 cm / 6¼"



CASTROVIEJO

MS 115-420

Ölçüm aralığı: 15 mm
Measuring Range: 15 mm



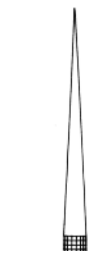
CASTROVIEJO

MS 115-421

Ölçüm aralığı: 20 mm
Measuring Range: 20 mm



WILDER



MS 115-430



MS 115-431



MS 115-432



HARMS

MS 115-440

sol
left



HARMS

MS 115-441

sağ
right



silindirik / sivri
cylindrical / pointed

BOWMAN	FIG.	
MS 115-450	0/0	0,8 mm
MS 115-451	1/1	0,9 mm
MS 115-452	2/2	1,1 mm
MS 115-453	3/3	1,3 mm
MS 115-454	4/4	1,4 mm
MS 115-455	5/5	1,5 mm
MS 115-456	6/6	1,6 mm
MS 115-457	7/7	1,8 mm
MS 115-458	8/8	1,9 mm



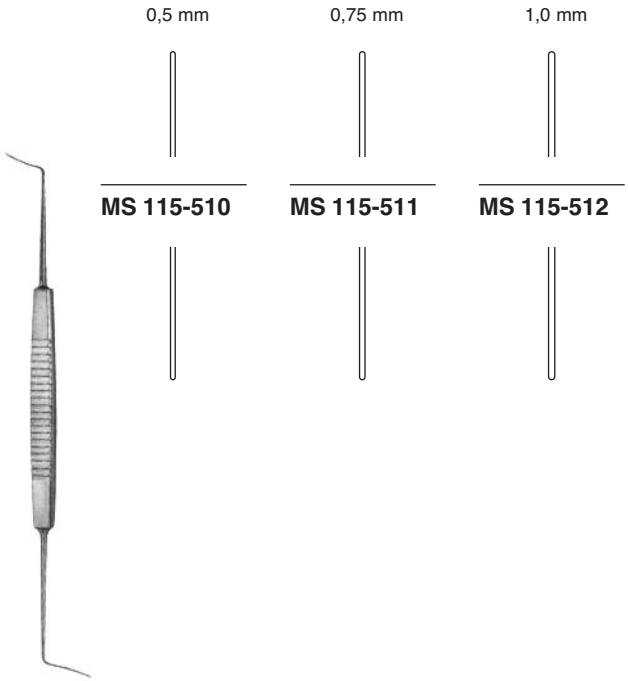
silindirik
cylindrical

BOWMAN	FIG.	
MS 115-470	00/0	0,7/0,8 mm
MS 115-471	0/1	0,8/0,9 mm
MS 115-472	1/2	0,9/1,1 mm
MS 115-473	2/3	1,1/1,3 mm
MS 115-474	3/4	1,3/1,4 mm
MS 115-475	4/5	1,4/1,5 mm
MS 115-476	5/6	1,5/1,6 mm
MS 115-477	6/7	1,6/1,8 mm
MS 115-478	7/8	1,8/1,9 mm



sivri
pointed

BOWMAN	FIG.	
MS 115-490	00/0	0,7/0,8 mm
MS 115-491	0/1	0,8/0,9 mm
MS 115-492	1/2	0,9/1,1 mm
MS 115-493	2/3	1,1/1,3 mm
MS 115-494	3/4	1,3/1,4 mm
MS 115-495	4/5	1,4/1,5 mm
MS 115-496	5/6	1,5/1,6 mm
MS 115-497	6/7	1,6/1,8 mm
MS 115-498	7/8	1,8/1,9 mm



MS 115-510 **MS 115-511** **MS 115-512**

CASTROVIEJO



DIX

MS 115-520 12,0 cm / 4¾"

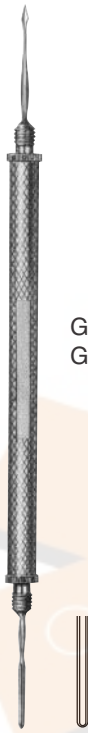


DIX

MS 115-521 12,0 cm / 4¾"



MS 115-530 13,0 cm / 5⅛"



MS 115-531 13,0 cm / 5⅛"

1,0 mm



GRAEFE
7,0 cm / 2¾"



MS 115-540



MS 115-541

1x2



MS 115-542

1x2



MS 115-543



STEVENS
10,5 cm / 4½"



MS 115-550



MS 115-551



MS 115-552

1x2



MS 115-553

1x2

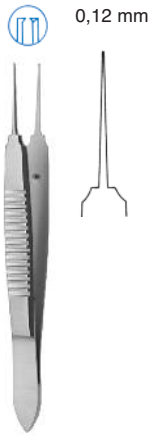


MS 115-554

1x2



MS 115-555



MOD. BONN

MS 115-570 7,0 cm / 2¾"
MS 115-571 10,0 cm / 4"



BISHOP-HARMAN
8,5 cm / 3½"



MS 115-580



MS 115-581



MS 115-585
hassas
fine



MS 115-586
hassas
fine



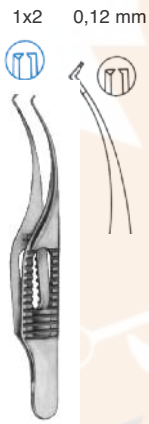
BARRAQUER-KATZIN

MS 115-590 7,0 cm / 2¾"



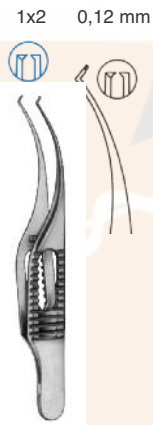
TROUTMAN (COLIBRI)

MS 115-591 7,5 cm / 3"



BARRAQUER (COLIBRI)

MS 115-592 7,0 cm / 2¾"



BARRAQUER-KATZIN (COLIBRI)

MS 115-593 7,0 cm / 2¾"



1x2



2x3



MS 115-600	**MS 115-601**

LESTER
9,0 cm / 3½"

düz
straight



1x2



	diş genişliği width of teeth
MS 115-610	0,12 mm
MS 115-611	0,3 mm
MS 115-612	0,5 mm
MS 115-613	1,0 mm
MS 115-614	1,5 mm

CASTROVIEJO
10,0 cm / 4"

açılı
angled



1x2



	diş genişliği width of teeth
MS 115-620	0,5 mm
MS 115-621	1,0 mm
MS 115-622	1,5 mm

CASTROVIEJO
10,0 cm / 4"

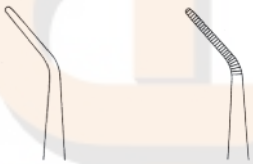




MS 115-630 **MS 115-631**

BONACCOLTO
10,0 cm / 4"





MS 115-640 **MS 115-641**

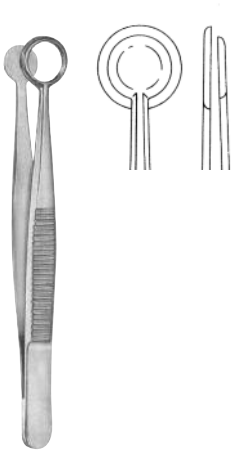
NUGENT
10,0 cm / 4"



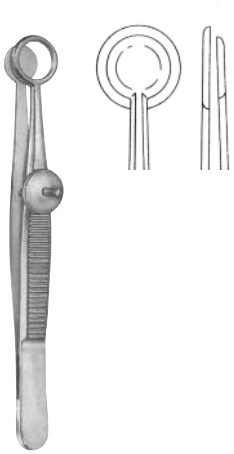
SNELLEN
MS 115-650 10,0 cm / 4"



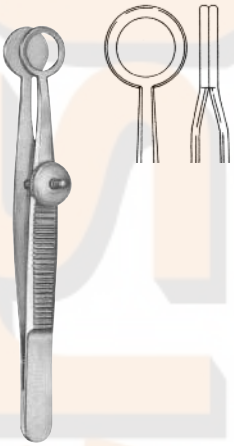
SNELLEN
MS 115-651 10,0 cm / 4"



AYER
MS 115-660 9,0 cm / 3½"



AYER
MS 115-661 9,0 cm / 3½"



LAMBERT
MS 115-662 9,0 cm / 3½"



DESMARRES
9,0 cm / 3½"



MS 115-670



MS 115-671



MS 115-672



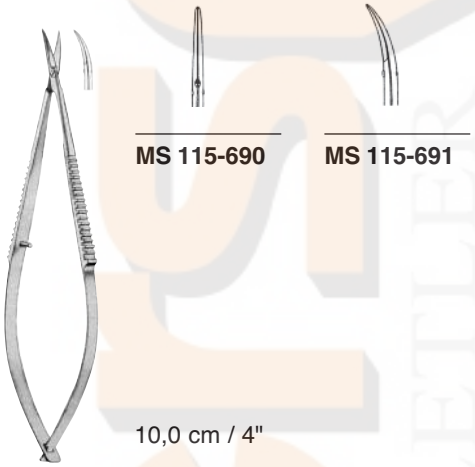
KATZIN-BARRAQUER

MS 115-680 10,0 cm / 4"



KATZIN-BARRAQUER

MS 115-681 10,0 cm / 4"



MS 115-690 **MS 115-691**

10,0 cm / 4"



CASTROVIEJO

MS 115-695 10,0 cm / 4"



CASTROVIEJO

MS 115-696 10,0 cm / 4"



AEBLI

MS 115-697 10,0 cm / 4"



NOYES
12,0 cm / 4¾"



MS 115-700



MS 115-701



MS 115-702



WESTCOTT
11,0 cm / 4½"



MS 115-710
sivri
pointed



MS 115-711
künt
blunt



CASTROVIEJO
MS 115-715 9,0 cm / 3½"



CASTROVIEJO
10,0 cm / 4"



MS 115-720
sivri
pointed



MS 115-721
künt
blunt



MS 115-730

MS 115-731

VANNAS
8,0 cm / 3¼"



MS 115-737

MS 115-738

MS 115-739

VANNAS-MOD. TÜBINGEN
8,5 cm / 3½"



5 mm

7 mm

10 mm

MS 115-750

MS 115-751

MS 115-752

BARRAQUER
5,5 cm / 2¼"



CASTROVIEJO

MS 115-760 10,0 cm / 4"



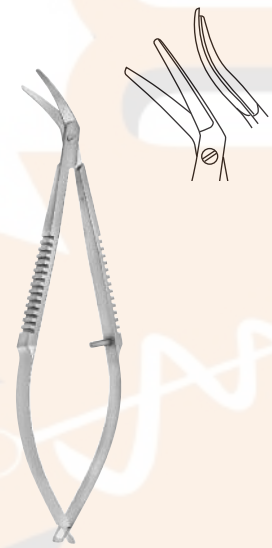
CASTROVIEJO

MS 115-761 10,0 cm / 4"



CASTROVIEJO

MS 115-762 11,0 cm / 4½"



CASTROVIEJO

MS 115-763 11,0 cm / 4½"

mersa
TIBBİ ALETLER

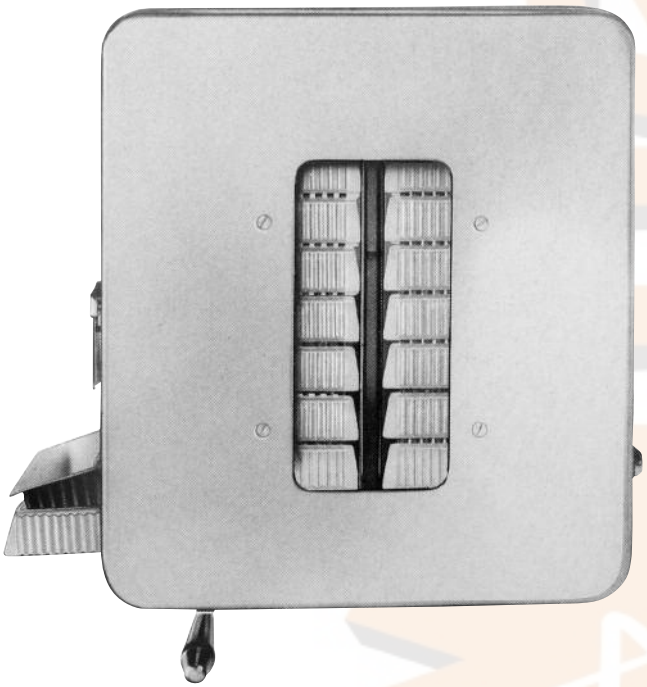
116



STERİLİZASYON
STERILIZATION



ASEPTIC
MS 116-101



süspansiyonlu
with suspension

MARTIN
MS 116-102
20 fırça için (fırça olmadan)
for 20 brushes (without brushes)



MS 116-103

Yedek cam, plastik
Spare Glass, plastic



MS 116-104

süspansiyon, büyük boy fırça dağıtıcı için
suspension, for large brush dispenser



MS 116-105

Süspansiyon büyük toplama kutusu için
Suspension, for brush collecting box



MS 116-106 200 x 180 x 135 mm

süspansiyonlu
with suspension

MS 116-107 200 x 180 x 135 mm

süspansiyonsuz
without suspension



MS 116-120 25,0 cm / 9¾"

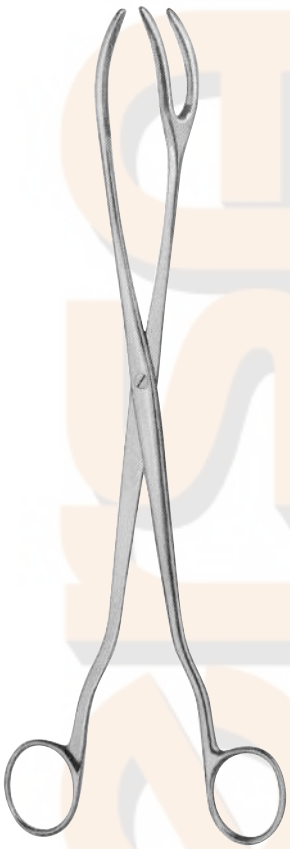


MS 116-121 32,0 cm / 12½"

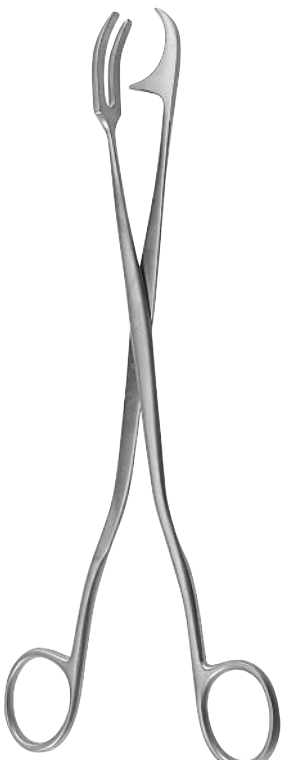


CHEATTLE

MS 116-130 27,0 cm / 10½"

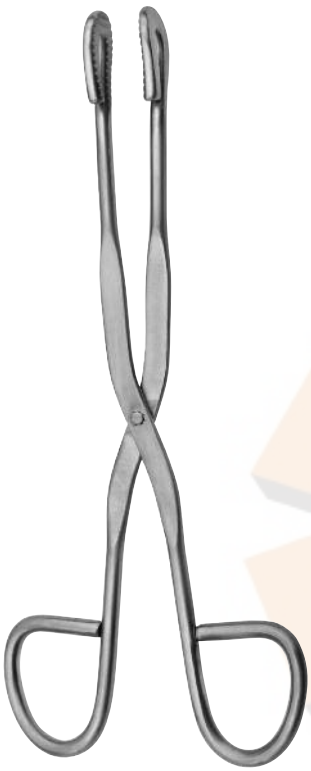


MS 116-131 20,0 cm / 8"
MS 116-132 30,0 cm / 11¾"



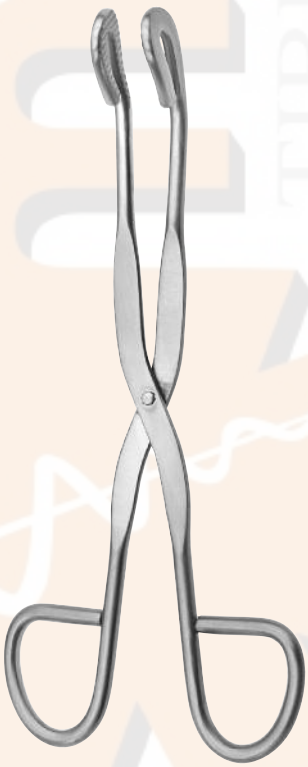
ROGGE

MS 116-135 23,5 cm / 9¼"



UNIVERSAL

MS 116-136 20,0 cm / 8"
MS 116-137 28,0 cm / 11"



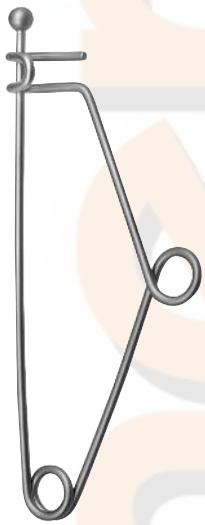
UNIVERSAL

MS 116-140 20,0 cm / 8"
MS 116-141 28,0 cm / 11"



BUNT

MS 116-150 12,0 cm / 4¾"



MAYO

MS 116-151 14,0 cm / 5½"



DEPONETTE

MS 116-200 245 x 135 x 35 mm

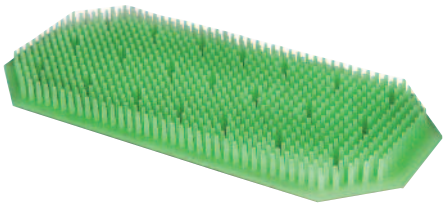


DEPONETTE

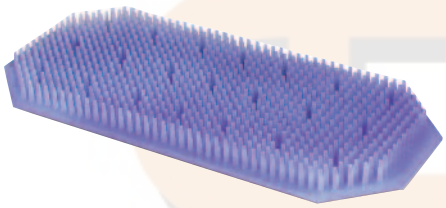
MS 116-201 245 x 135 x 50 mm



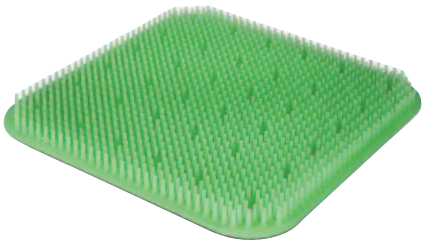
Kase Cases	Ebatlar Sizes	Yedek filtre, 5'li paketlerde Spare Textile Filters, package of 5 pairs
MS 116-210	230 x 130 x 50 mm	**MS 116-230**
MS 116-211	260 x 150 x 50 mm	**MS 116-231**
MS 116-212	275 x 235 x 50 mm	**MS 116-232**
MS 116-213	300 x 200 x 50 mm	**MS 116-233**
MS 116-214	325 x 275 x 50 mm	**MS 116-234**
MS 116-215	420 x 175 x 50 mm	**MS 116-235**
MS 116-220	230 x 130 x 75 mm	**MS 116-230**
MS 116-221	260 x 150 x 75 mm	**MS 116-231**
MS 116-222	300 x 200 x 75 mm	**MS 116-233**
MS 116-223	325 x 275 x 75 mm	**MS 116-234**
MS 116-224	420 x 175 x 75 mm	**MS 116-235**



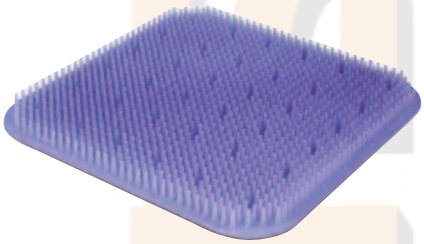
MS 116-250 270 x 125 mm



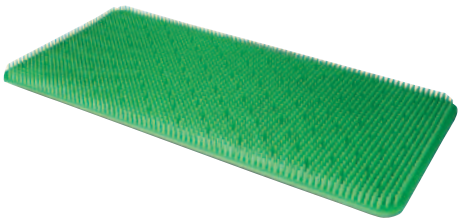
MS 116-251 270 x 125 mm



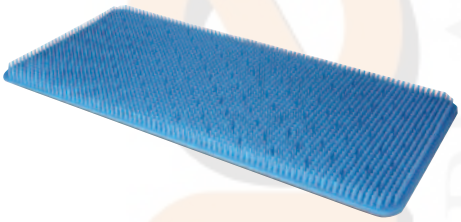
MS 116-252 245 x 245 mm



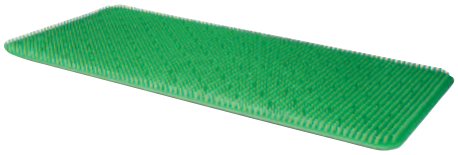
MS 116-253 245 x 245 mm



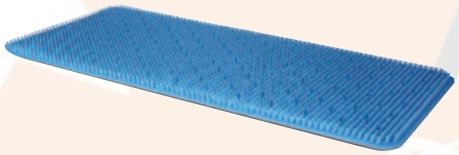
MS 116-260 220 x 230 mm
MS 116-261 380 x 230 mm
MS 116-262 440 x 230 mm
MS 116-263 520 x 230 mm



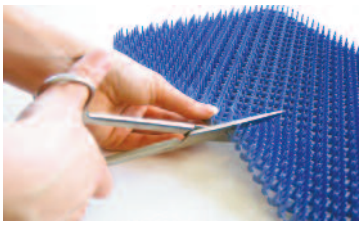
MS 116-270 220 x 230 mm
MS 116-271 380 x 230 mm
MS 116-272 440 x 230 mm
MS 116-273 520 x 230 mm



MS 116-280 300 x 150 mm
MS 116-281 300 x 300 mm



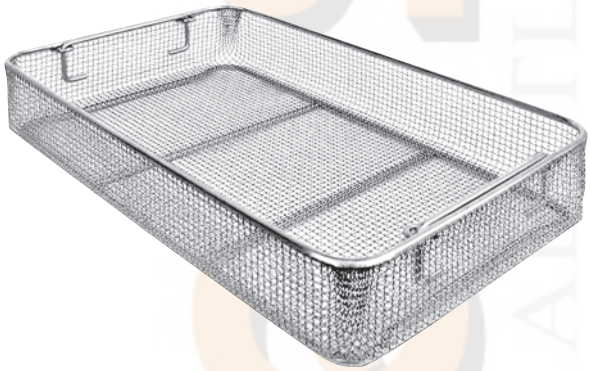
MS 116-290 300 x 150 mm
MS 116-291 300 x 300 mm



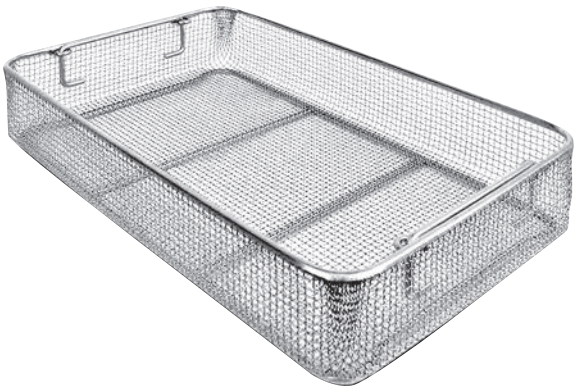
MS 116-300 545 x 255 mm



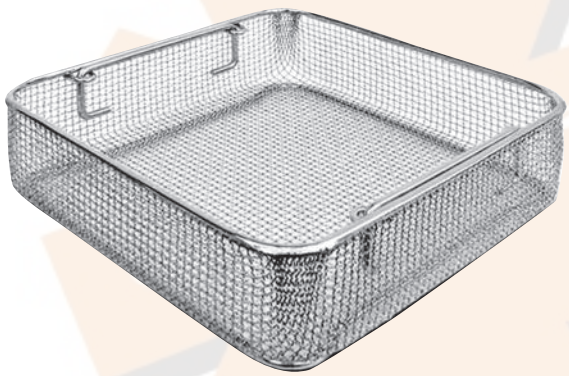
MS 116-310	540 x 255 x 30 mm
MS 116-311	540 x 255 x 50 mm
MS 116-312	540 x 255 x 70 mm
MS 116-313	540 x 255 x 100 mm



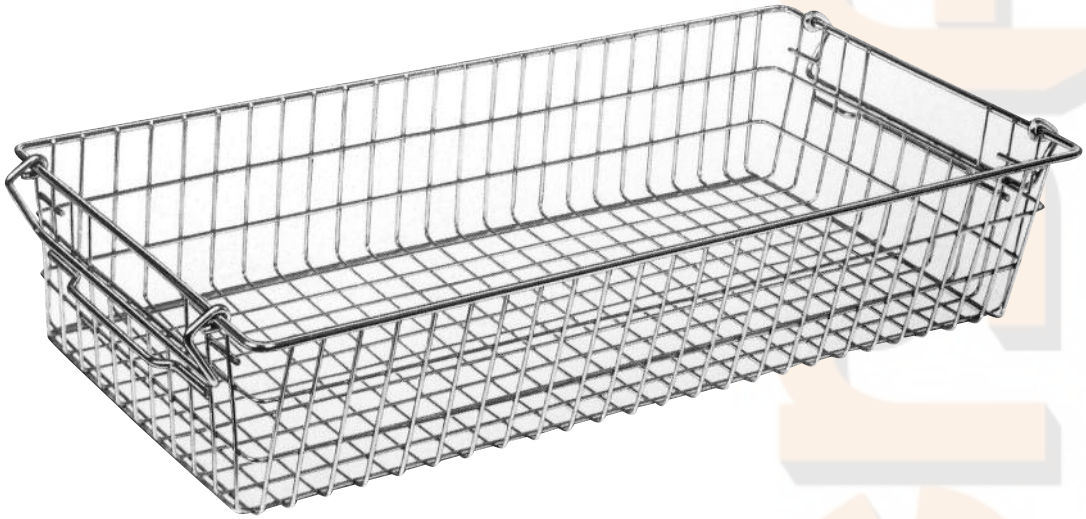
MS 116-320	485 x 255 x 30 mm
MS 116-321	485 x 255 x 50 mm
MS 116-322	485 x 255 x 70 mm
MS 116-323	485 x 255 x 100 mm



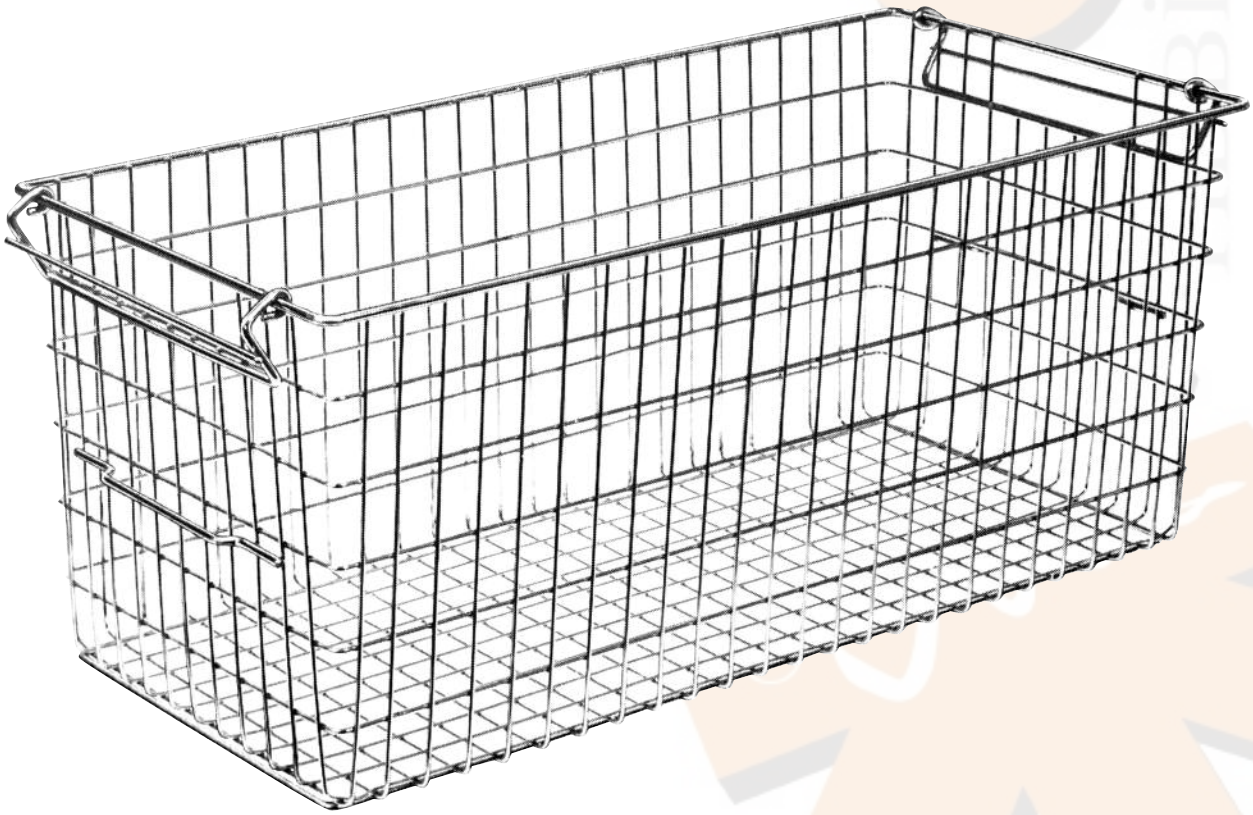
MS 116-330	405 x 255 x 30 mm
MS 116-331	405 x 255 x 50 mm
MS 116-332	405 x 255 x 70 mm
MS 116-333	405 x 255 x 100 mm



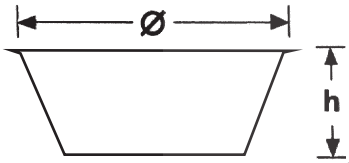
MS 116-340	255 x 245 x 30 mm
MS 116-341	255 x 245 x 50 mm
MS 116-342	255 x 245 x 70 mm
MS 116-343	255 x 245 x 100 mm



MS 116-350 600 x 300 x 130 mm

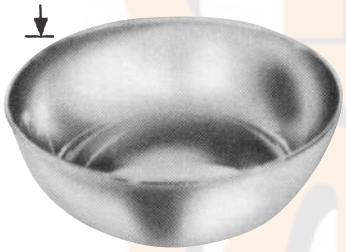


MS 116-351 600 x 300 x 260 mm





	Ø x h	
MS 116-360	Ø 40 x 19 mm	0,05 l
MS 116-361	Ø 61 x 30 mm	0,07 l
MS 116-362	Ø 80 x 40 mm	0,14 l
MS 116-363	Ø 116 x 50 mm	0,35 l
MS 116-364	Ø 128 x 55 mm	0,45 l
MS 116-365	Ø 147 x 65 mm	0,70 l
MS 116-366	Ø 167 x 75 mm	1,10 l
MS 116-367	Ø 187 x 85 mm	1,60 l



	Ø x h	
MS 116-380	Ø 116 x 35 mm	0,30 l
MS 116-381	Ø 128 x 38 mm	0,40 l
MS 116-382	Ø 147 x 40 mm	0,50 l
MS 116-383	Ø 157 x 45 mm	0,75 l
MS 116-384	Ø 187 x 45 mm	1,00 l



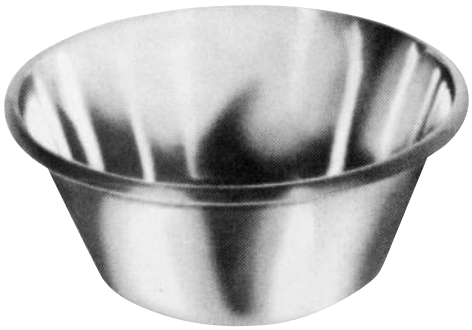
	Ø x h	
MS 116-390	Ø 110 x 28 mm	0,15 l

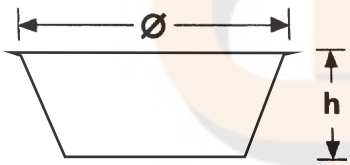


	Ø x h	
MS 116-391	100 ccm	0,1 l

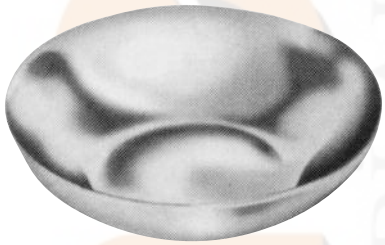


MS 116-400	0,25 l
MS 116-401	0,50 l
MS 116-402	1,00 l
MS 116-403	2,00 l





	Ø x h	
MS 116-410	Ø 150 x 74 mm	0,75 l
MS 116-411	Ø 160 x 65 mm	1,00 l
MS 116-412	Ø 220 x 70 mm	2,00 l
MS 116-413	Ø 240 x 95 mm	3,00 l
MS 116-414	Ø 260 x 130 mm	4,50 l
MS 116-415	Ø 300 x 105 mm	6,00 l
MS 116-416	Ø 320 x 140 mm	8,50 l
MS 116-417	Ø 380 x 125 mm	11,00 l
MS 116-418	Ø 400 x 150 mm	14,00 l

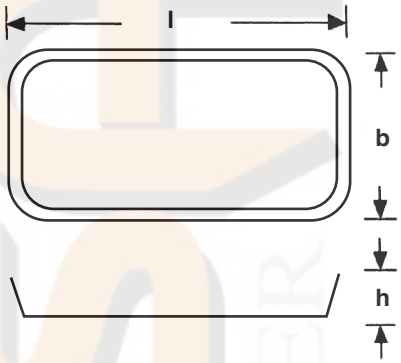


	Ø x h	
MS 116-430	Ø 110 x 27 mm	0,20 l
MS 116-431	Ø 110 x 40 mm	0,30 l

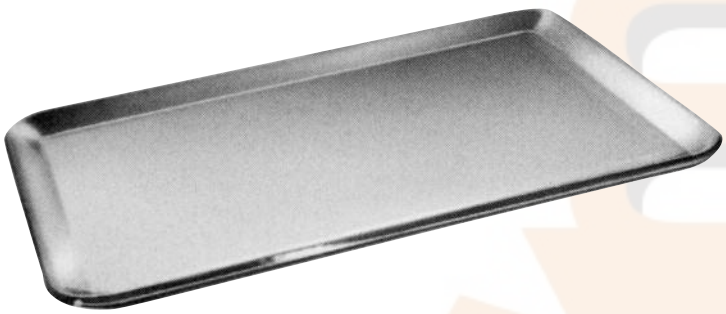


	Ø x h	
MS 116-440	Ø 330 x 90 mm	6,00 l
MS 116-441	Ø 330 x 115 mm	8,00 l



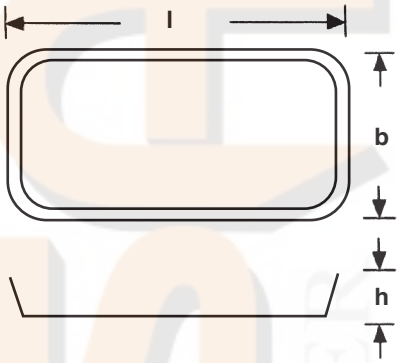


	l x b x h
MS 116-450	230 x 155 x 30 mm
MS 116-451	300 x 175 x 30 mm
MS 116-452	300 x 175 x 40 mm
MS 116-453	350 x 240 x 36 mm
MS 116-454	400 x 300 x 50 mm



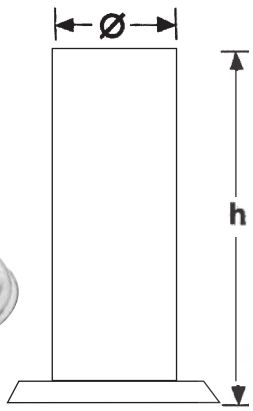
	l x b x h
MS 116-460	210 x 160 x 10 mm
MS 116-461	240 x 180 x 10 mm
MS 116-462	310 x 150 x 10 mm
MS 116-463	310 x 210 x 10 mm
MS 116-464	350 x 240 x 10 mm
MS 116-465	400 x 270 x 20 mm
MS 116-466	420 x 280 x 10 mm





	l x b x h
MS 116-470	235 x 190 x 40 mm





	Ø x h
MS 116-480	Ø 30 x 90 mm
MS 116-481	Ø 50 x 100 mm
MS 116-482	Ø 50 x 130 mm
MS 116-483	Ø 50 x 175 mm
MS 116-484	Ø 75 x 100 mm
MS 116-485	Ø 75 x 130 mm
MS 116-486	Ø 75 x 175 mm
MS 116-487	Ø 100 x 175 mm
MS 116-488	Ø 100 x 200 mm



Sadece kapak, deliksiz
Lid only, closed

MS 116-500	Ø 50 mm
MS 116-501	Ø 75 mm
MS 116-502	Ø 100 mm



Sadece kapak, üçgen delik ile
Lid only, with triangular opening

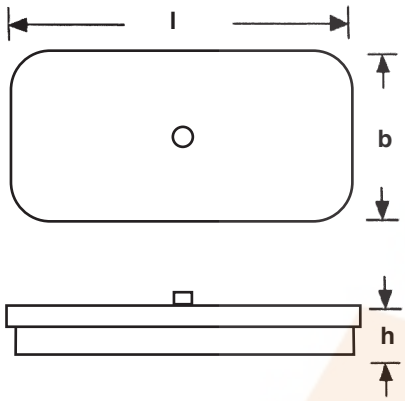
MS 116-510	Ø 50 mm
MS 116-511	Ø 75 mm
MS 116-512	Ø 100 mm



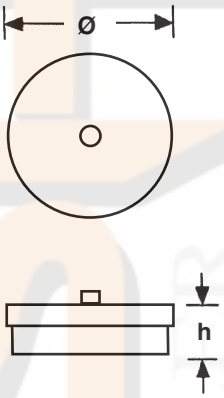
	l x b x h
MS 116-520	165 x 85 x 35 mm
MS 116-521	200 x 100 x 35mm
MS 116-522	200 x 100 x 50 mm
MS 116-523	230 x 130 x 50 mm
MS 116-524	260 x 150 x 50 mm
MS 116-525	270 x 235 x 50 mm
MS 116-526	300 x 200 x 50 mm
MS 116-527	325 x 275 x 50 mm



	l x b x h
MS 116-540	165 x 85 x 35 mm
MS 116-541	200 x 100 x 35 mm
MS 116-542	200 x 100 x 50 mm
MS 116-543	230 x 130 x 50 mm
MS 116-544	260 x 150 x 50 mm
MS 116-545	270 x 235 x 50 mm
MS 116-546	300 x 200 x 50 mm
MS 116-547	325 x 275 x 50 mm







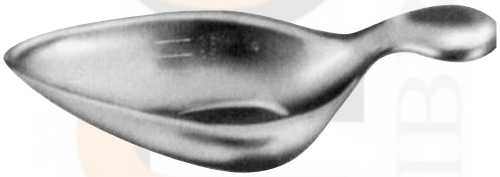
	Ø x h
MS 116-560	Ø 75 x 60 mm
MS 116-561	Ø 75 x 75 mm
MS 116-562	Ø 100 x 60 mm
MS 116-563	Ø 100 x 100 mm
MS 116-564	Ø 125 x 80 mm
MS 116-565	Ø 125 x 125 mm
MS 116-566	Ø 150 x 150 mm



MS 116-580 25 ccm



MS 116-581 50 ccm



MS 116-582 20 ccm



Ø x h

MS 116-583 Ø 75 x 12 mm



MS 116-584 Ø 90 x 90 mm



MS 116-585 Ø 75 x 80 mm



METHOT
MS 116-586 Ø 50 x 75 mm



METHOT
MS 116-587 Ø 50 x 75 mm

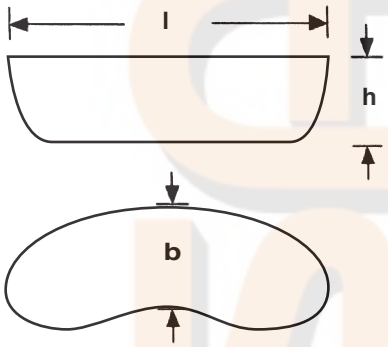


METHOT
MS 116-588 Ø 50 x 75 mm



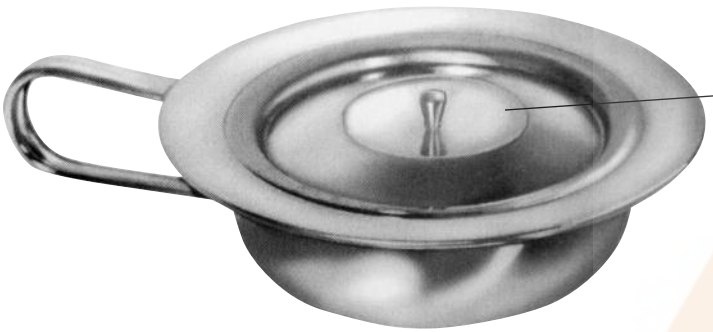
plastik
plastic

METHOT
MS 116-589 Ø 45 x 55 mm



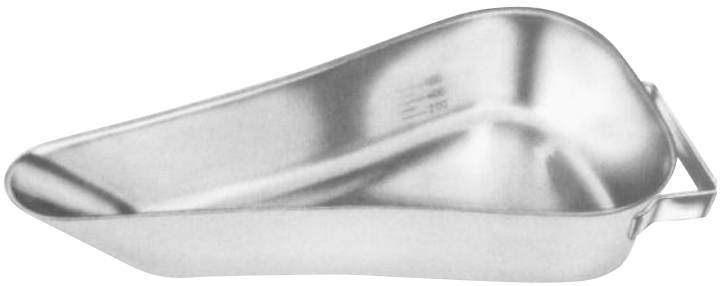


l x b x h	
MS 116-600	170 x 100 x 35 mm
MS 116-601	250 x 140 x 40 mm
MS 116-602	275 x 150 x 45 mm



MS 116-620	Ø 235 mm
MS 116-621	Ø 310 mm

MS 116-610	Ø 235 mm
MS 116-611	Ø 310 mm



MS 116-630



MS 116-631



MS 116-640 120 ccm



MS 116-641 12 mm
Yedek fitil, düz, metre başına
Spare Wick, flat, per meter

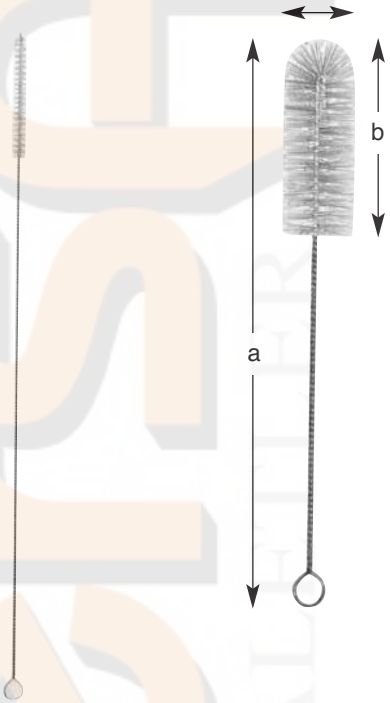
MS 116-642 12 mm
Yedek fitil, düz, 12 cm uzunluğunda
Spare Wick, flat, 12 cm long



	a x b x c
MS 116-650	245 x 65 x 3 mm



	a x b x c
MS 116-651	420 x 65 x 3 mm



	a x b x c
MS 116-652	270 x 65 x 8 mm



	a x b x c
MS 116-653	285 x 75 x 7 mm



	a x b x c
MS 116-654	270 x 65 x 12 mm



	a x b x c
MS 116-655	215 x 60 x 13 mm



a x b x c

MS 116-656 215 x 70 x 15 mm



a x b x c

MS 116-657 215 x 65 x 20 mm



a x b x c

MS 116-658 215 x 65 x 25 mm



a x b x c

MS 116-659 215 x 65 x 30 mm



MS 116-660

5'li set (MS 116-655, MS 116-659)
Set of 5 brushes consisting of (MS 116-655, MS 116-659)





a x b x c

MS 116-661 275 x 65 x 12 mm



a x b x c

MS 116-662 275 x 80 x 15 mm



a x b x c

MS 116-663 300 x 120 x 30 mm



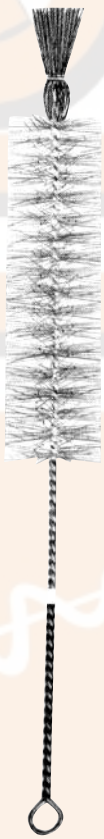
a x b x c

MS 116-664 320 x 130 x 50 mm



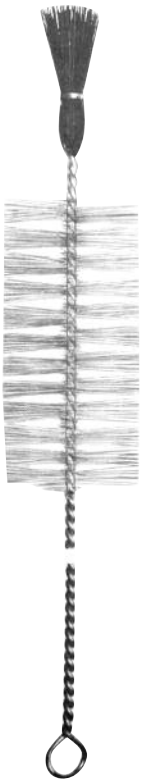
a x b x c

MS 116-665 360 x 140 x 35 mm

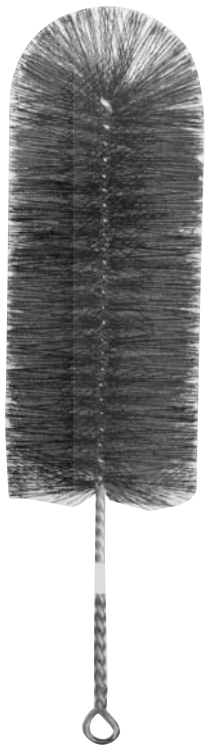


a x b x c

MS 116-666 420 x 180 x 40 mm



	a x b x c
MS 116-667	500 x 180 x 60 mm



	a x b x c
MS 116-668	490 x 180 x 80 mm



	a x b x c
MS 116-669	450 x 180 x 60 mm



	a x b x c
MS 116-670	420 x 130 x 75 mm



	a x b x c
MS 116-671	330 x 130 x 50 mm



	a x b x c
MS 116-672	400 x 190 x 8/20 mm



a x b x c

MS 116-673 300 x 110 x 18/33 mm



a x b x c

MS 116-674 320 x 70 x 15/25 mm



a x b x c

MS 116-675 420 x 60 x 8/15 mm



a x b x c

MS 116-676 1000 x 180 x 16 mm



MS 116-690 210 x 95 mm



MS 116-700 Ø 325 mm



MS 116-701



MS 116-702 58,0 cm / 22¾"



SAUERBRUCH

MS 116-703 55,0 cm / 22"