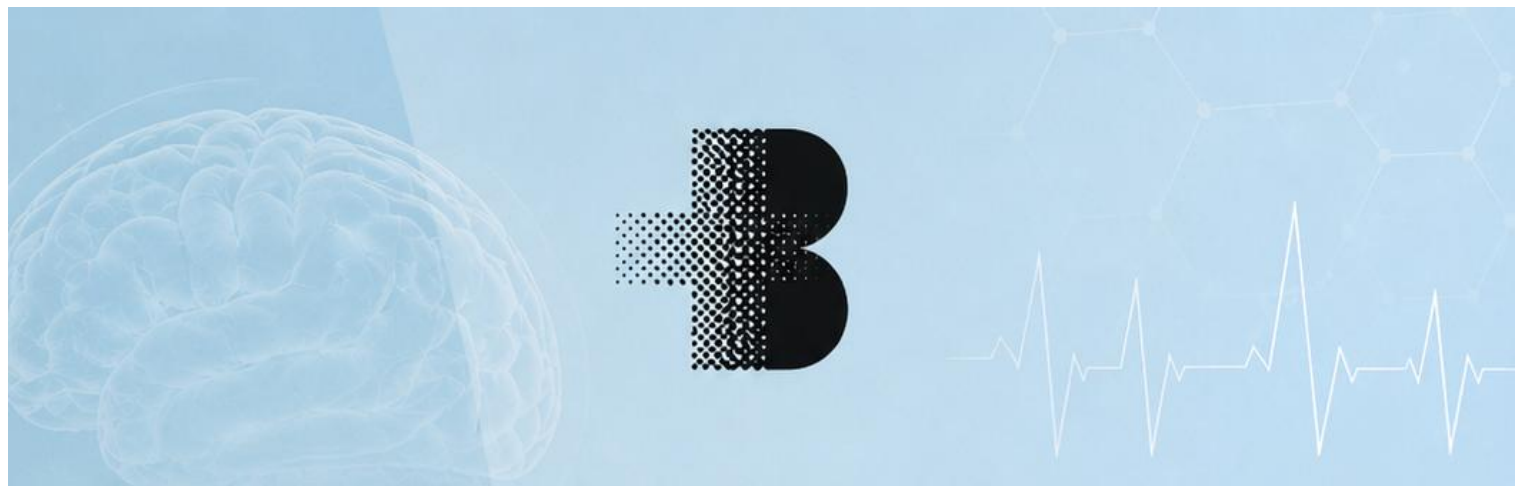




Biomed Healthtech

Neuro Surgery Catalog



☎ +91 9901158197 | +91 9740069305

✉ info@biomedhealthtech.com

🌐 www.biomedhealthtech.com

📍 Unit no.402, Kaliandas Udyog Bhavan, 4th floor, Sadanad Hasu Tandel Marg,
Near Century Bazar, Prabhadevi, Mumbai - 400 025

📍 Vidmahe Enclave, No. 135 IECHS Layout, Vidyaranyapura, Bangalore - 560 097



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CURETTE

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HYGIENIC LUMBAR AND CERVICAL
KERRISON LAMINECTOMY
RONGEURS

SHAFT LENGTH	BITE Size				
		90 UP	90 DOWN	40UP	40 DOWN
7"	1mm				
	2mm				
	3mm				
	4mm				
	5mm				
8"	1mm				
	2mm				
	3mm				
	4mm				
	5mm				





HYGIENIC LUMBAR AND CERVICAL
KERRISON LAMINECTOMY
RONGEURS

SHAFT
LENGTH

BITE
Size



90 UP



40UP



40 DOWN



40 UP
(THIN)

7"

- 1mm N-9531
- 2mm N-9532
- 3mm N-9533
- 4mm N-9534
- 5mm N-9535

8"

- 1mm N-9561
- 2mm N-9562
- 3mm N-9563
- 4mm N-9564
- 5mm N-9565

9"

- 1mm N-9593
- 2mm N-9594
- 3mm N-9595
- 4mm N-9596
- 5mm -----





HYGIENIC LUMBAR AND CERVICAL
KERRISON LAMINECTOMY
RONGEURS SEMI-DETACHABLE SHAFT

SHAFT
LENGTH

BITE
Size



40 UP

7"

- 1mm
- 2mm
- 3mm
- 4mm

8"

- 1mm
- 2mm
- 3mm
- 4mm

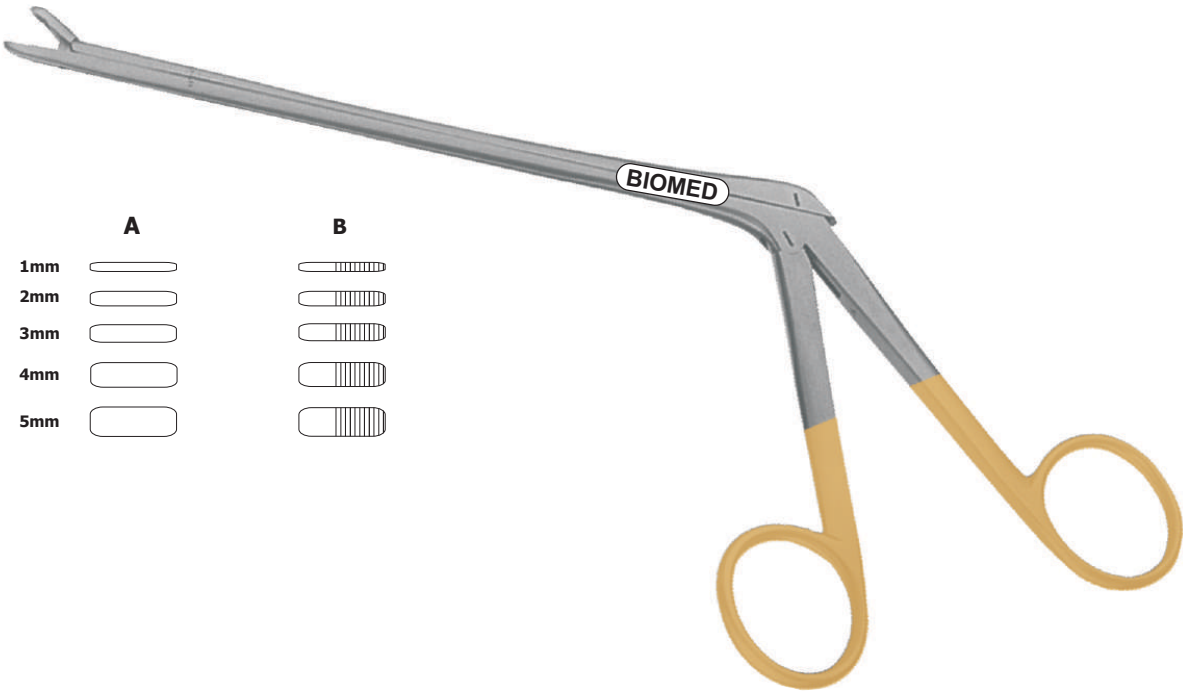




KERRISON FORAMINOTOMY RONGEURS, CURVED

SHAFT LENGTH	BITE SIZE	90° UP
7"	1mm	EX- 3083
	2mm	EX- 3124
	3mm	EX- 3125
8"	3mm	N-9640
	4mm	N-9641





	A	B
1mm		
2mm		
3mm		
4mm		
5mm		

HYGIENIC LUMBAR AND CERVICAL DISC RONGEURS

MICRO DISC RONGEUR FINE SHAFT

	A	A	A
SHAFT LENGTH	STRAIGHT	UP	DOWN

5"
1mm
2mm
3mm
4mm

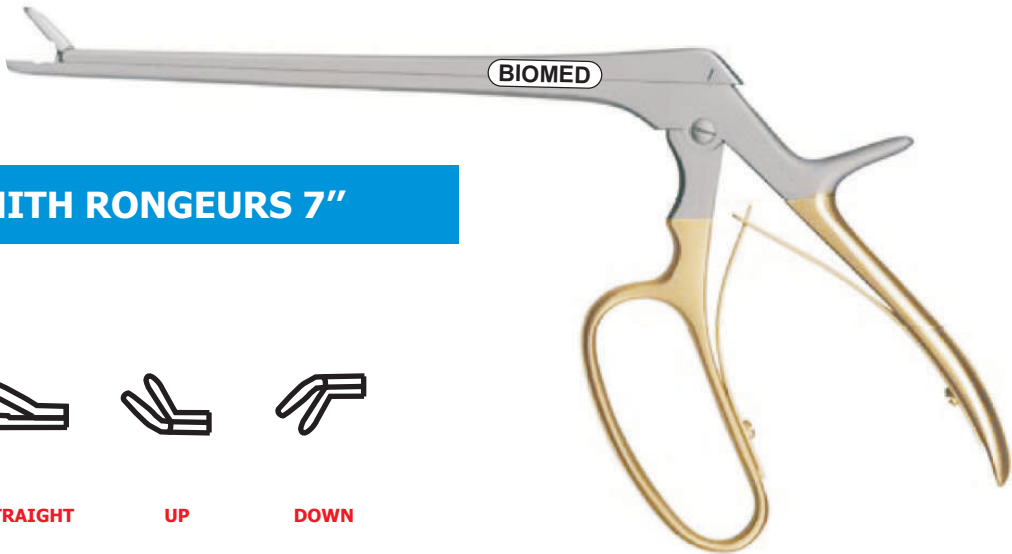
7"
1mm
2mm
3mm
4mm
5mm

B	B	B
STRAIGHT	UP	DOWN



SHAFT LENGTH	BITE SIZE
6"	1.5mm
7"	1.5mm





FERRIS-SMITH RONGEURS 7"



SHAFT LENGTH	BITE SIZE	STRAIGHT	UP	DOWN
7"	2mm			
	3mm			
	4mm			
	5mm			



SPINAL IVD RONGEURS BAYONET SHAPED (UP,RIGHT & LEFT) WORKING LENGTH 7"

UPWARD BAYONET SHAPE RIGHT BAYONET SHAPE LEFT BAYONET SHAPE



BITE Size	STRAIGHT	UP	STRAIGHT	UP	STRAIGHT	UP
-----------	----------	----	----------	----	----------	----

2mm
3mm
4mm





EX-3060

STRAIGHT

EX-3061

RIGHT

EX-3062

LEFT

SCISSORS
LENGTH- 13cm

STRAIGHT

13 CM	2.5mm
13 CM	3.0mm
13 CM	3.5mm
18 CM	3.0mm
18 CM	5.0mm
18 CM	3.0mm, LEFT
18 CM	3.0mm RIGHT

Up 45°

2.5mm
3.0mm
3.5mm
3.0mm
5.0mm

UP 90°

3.0mm

3.0mm

DOWN

3.0mm

3.0mm

BLAKESLEY FORCEPS
LENGTH- 13cm & 18cm

STRAIGHT

EX-3106

UP 45°

EX-3107

BLAKESLEY FORCEPS
WITH SUCTION
LENGTH- 17.5cm



PEDIATRIC FINE
STRAIGHT

SCISSORS
WORKING LENGTH 15.2cm
PEDIATRIC



PEDIATRIC FINE
STRAIGHT
1.5mm



PEDIATRIC FINE
UP 45°
1.5mm

BLAKESLEY FORCEPS
LENGTH 15.2cm
PEDIATRIC



PEDIATRIC
STRAIGHT



PEDIATRIC
UP 45°

THROUGH CUTTING PUNCH
LENGTH 15.2cm
PEDIATRIC





MICRO FORCEPS
(19cm)

STRAIGHT

GRASPER



LENGTH
19cm

RIGHT



LENGTH
19cm

LEFT



LENGTH
19cm

UP



LENGTH
19cm

CUP



LENGTH
19cm



LENGTH
19cm



LENGTH
19cm



LENGTH
19cm

SCISSOR



LENGTH
19cm



LENGTH
19cm

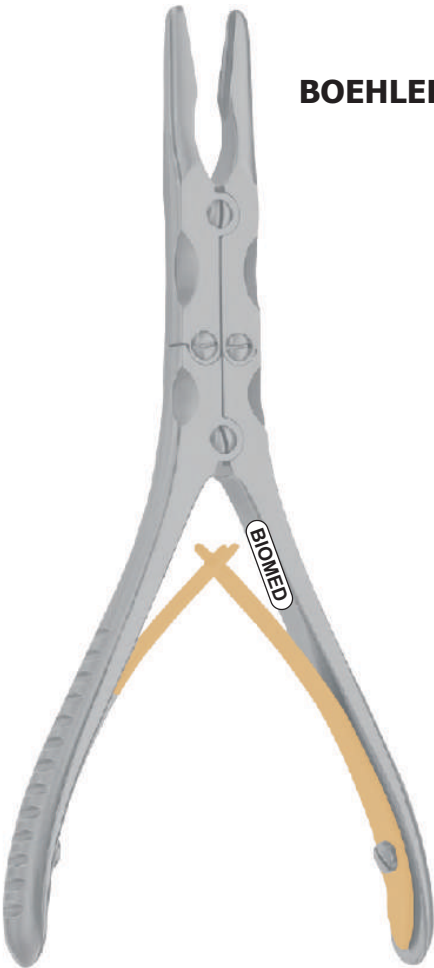


LENGTH
19cm



LENGTH
19cm

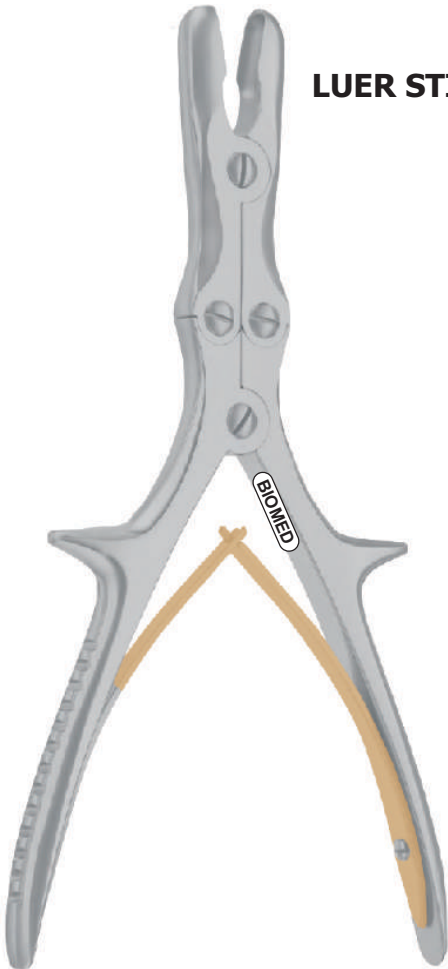




BOEHLER

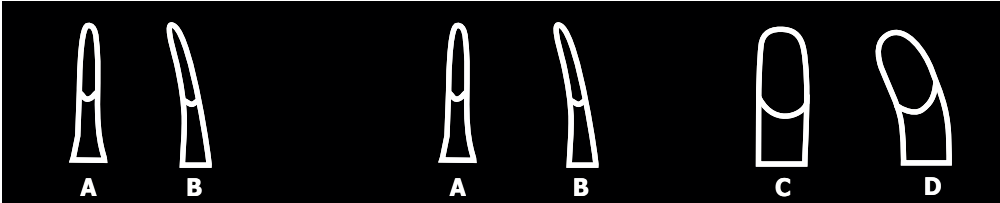


BEYER



LUER STILLE

BONE BITING RONGEURS



STRAIGHT CURVED	
A	B
15cm	2mm
15cm	3mm
15cm	4mm

STRAIGHT CURVED	
A	B
19cm	2mm

STRAIGHT CURVED	
A	B
26cm	15mm
26cm	10mm
26cm	8 mm





RUSKIN



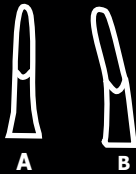
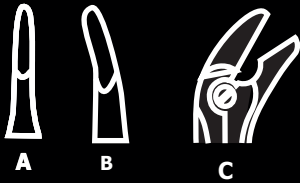
MAYFIELD



ROTTGEN
RUSKIN



BONE BITING RONGEURS



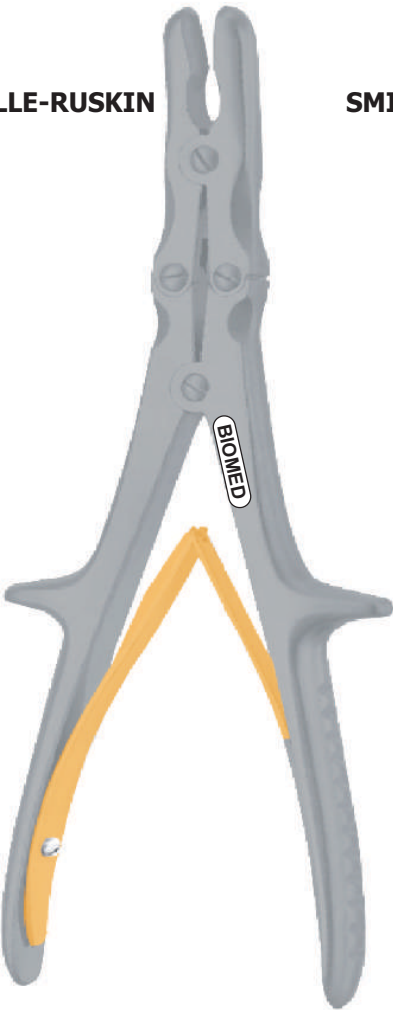
RUSKIN	
STRAIGHT	CURVED
A	B
19cm	2mm
19cm	3mm
19cm	4mm
19cm	5mm
19cm	6mm

MAYFIELD	
STRAIGHT	CURVED
18cm	3mm
18cm	4mm
18cm	5mm

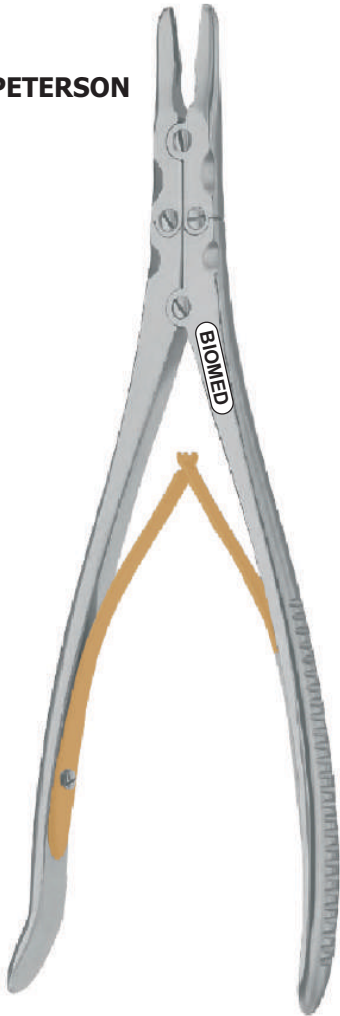
ROTTGEN-RUSKIN	
STRAIGHT	CURVED
B	A
24cm	4mm
24cm	5mm
24cm	6mm



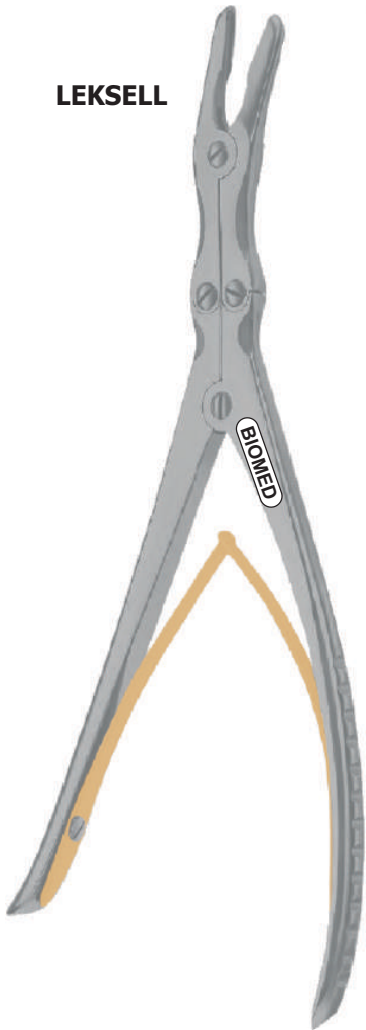
STILLE-RUSKIN



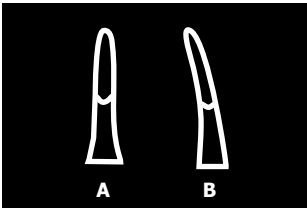
SMITH-PETERSON



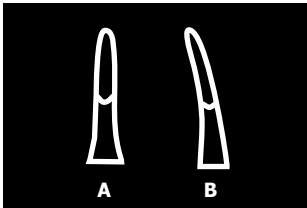
LEKSELL



BONE BITING RONGEURS



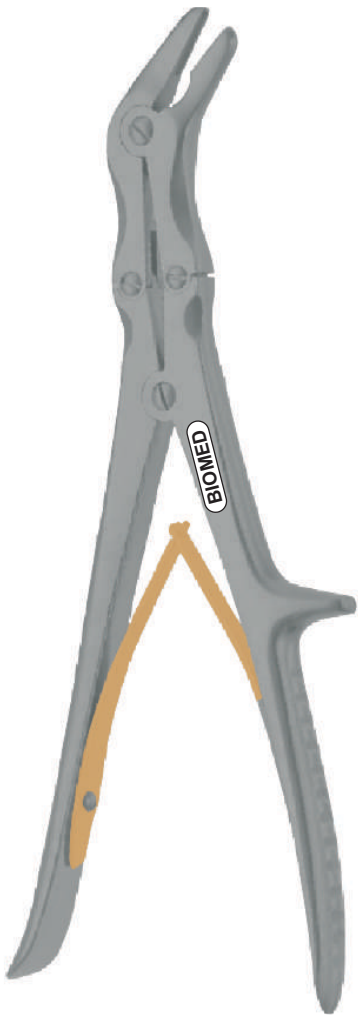
STILLE-RUSKIN	
STRAIGHT CURVED	
A	B
23cm	5mm
23cm	6mm
23cm	8mm
23cm	10mm



SMITH-PETERSON	
STRAIGHT CURVED	
A	B
23cm	3mm
23cm	4mm

LEKSELL	
STRAIGHT CURVED	
A	B
23cm	3mm
23cm	5mm
23cm	8mm





BONE BITING RONGEURS

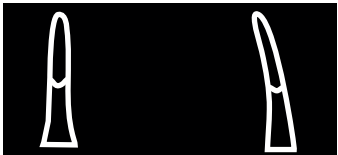
CRANIAL RONGEURS

LUER-FRIEDMANN

ECHLIN

- 23cm 2mm
- 23cm 3mm
- 23cm 4mm
- 23cm 6mm

19cm 8mm



A
STRAIGHT
19cm
19cm

B
CURVED
4mm
6mm



CASPAR TRANSVERSE BASIC CERVICAL RETRACTOR

CERVICAL RETRACTOR SINGLE HINGED

CERVICAL RETRACTOR SINGLE HINGED
(BLACK COATED)

CERVICAL RETRACTOR DOUBLE HINGED
(BLACK COATED)

MEDIAL TOOTHED BLADES

STAINLESS STEEL
23 mm , WIDTH (BLACK COATED)

LENGTH

- 40mm
- 45mm
- 50mm
- 55mm
- 60mm
- 65mm

LATERAL SERRATED BLADES

STAINLESS STEEL
23 mm , WIDTH (BLACK COATED)

LENGTH

- 40mm
- 45mm
- 50mm
- 55mm
- 60mm
- 65mm





COUNTER TRANSVERSE BASIC RETRACTOR FOR LONGITUDINAL RETRACTION



CERVICAL RETRACTOR DOUBLE HINGED (BLACK COATED) 8"



CERVICAL RETRACTOR SINGLE HINGED (BLACK COATED) 6 1/2"



LONGITUDINAL CERVICAL RETRACTOR SINGLE HINGED (BLACK COATED)



CASPER FORCEPS FOR CHANGING THE BLADES



D



F

LATERAL BLUNT BLADES STAINLESS STEEL 23 mm , WIDTH (BLACK COATED)

LONGITUDINAL BLADES STAINLESS STEEL 19 mm , WIDTH (BLACK COATED)

- LENGTH
- 40mm
 - 45mm
 - 50mm
 - 55mm
 - 60mm
 - 65mm

- LENGTH
- 40mm
 - 45mm
 - 50mm
 - 55mm
 - 60mm
 - 65mm





CLOWARD CERVICAL SPINE
SELF-RETAINING RETRACTORS WITH BALL SNAP CLOSURE



SINGLE HINGE SMALL
18CM/7"



SINGLE HINGE LARGE
25.5cm/10"



DOUBLE HINGE LARGE
25.5cm/10"



G
EXCHANGEABLE BLADES
SERRATED



F
EXCHANGEABLE BLADES
BLUNT

CLOWARD
CERVICAL SPINE RETRACTOR
EXCHANGEABLE BLADES 15/23WIDTH

SERRATED BLADES

LENGTH

- 35mm
- 40mm
- 45mm
- 50mm
- 55mm
- 60mm
- 65mm

BLUNT BLADES

LENGTH

- 35mm
- 40mm
- 45mm
- 50mm
- 55mm
- 60mm
- 65mm



A
CLOWARD-TYPE
VERTEBRA SPREADERS



B
CLOWARD LAMINA
SPREADERS



C
INGE LAMINA
SPREADERS

VERTEBRA AND LAMINA SPREADERS

CLOWARD TYPE VERTEBRA SPREADERS

DEPTH
65mm
75mm
85mm

CLOWARD LAMINA SPREADERS

DEPTH
75MM

INGE LAMINA SPREADERS

LENGTH
16.5cm
28cm





CASPAR-TYPE
DISTRACTOR VERTEBRAL BODY
FROM THE RIGHT APPROACH FOR C5 THROUGH T1 (T2) AND FROM
THE LEFT APPROACH FOR THE UPPER CERVICAL SPINE



A
DRILL GUIDE RIGHT



B
PIN DRIVER



C
TWIST DRILL Ø 1.7MM



D
DISTRACTION PIN

VERTEBRAL BODY PIN DISTRACTOR SYSTEM
FOR ANTERIOR CERVICAL FUSION

**DRILL
GUIDE**

**SCREW
DRIVER**

**DISTRACTION
PIN**

**TWIST
DRILL**

LENGTH/SIZE

66/12mm
68/14mm
70/16mm
72/18mm

LENGTH
15mm

DRILLING DEPTH
8mm





CASPAR-TYPE

DISTRACTOR VERTEBRAL BODY
FROM THE LEFT APPROACH FOR C5 THROUGH T1 (T2) AND FROM
THE RIGHT APPROACH FOR THE UPPER CERVICAL SPINE



A
DRILL GUIDE LEFT

B
PIN DRIVER



C
TWIST DRILL Ø 1.7MM



D
DISTRACTION PIN

VERTEBRAL BODY PIN DISTRACTOR SYSTEM
FOR ANTERIOR CERVICAL FUSION

DRILL
GUIDE

PIN
DRIVER

DISTRACTION
PIN

TWIST
DRILL

LENGTH/SIZE

66/12mm
68/14mm
70/16mm
72/18mm

LENGTH

15mm

DRILLING DEPTH

8mm





CASPAR-TYPE
MICRO LUMBER DISCECTOMY RETRACTOR
FOR MICROSURGICAL TREATMENT OF HERNIATED



A
LUMBAR SPECULUM FENESTRATED



B
LATERAL BLADES (blunt)

MICRO LUMBER DISCECTOMY RETRACTOR SYSTEM

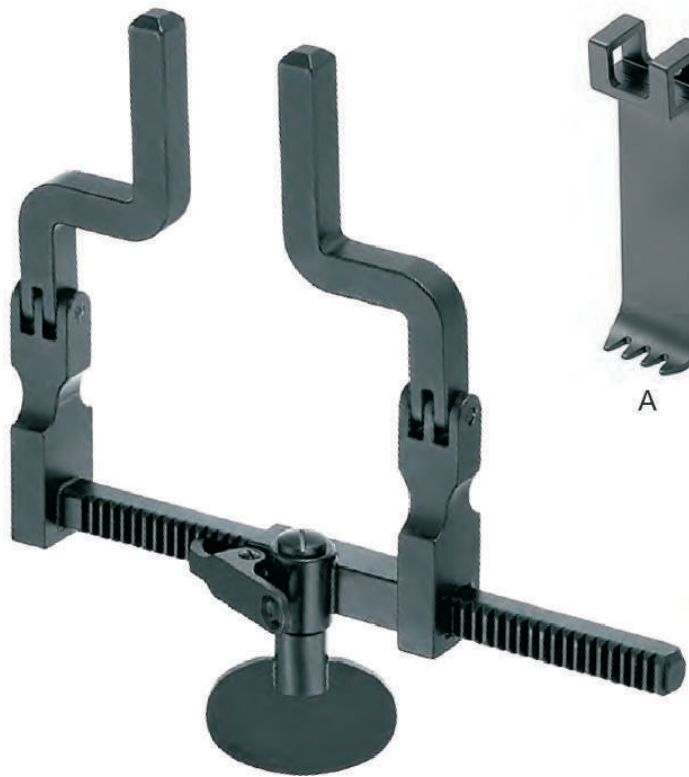
LUMBAR SPECULUM
FENESTRATED

- LENGTH
- 50MM
 - 55MM
 - 60MM
 - 65MM
 - 70MM
 - 75MM
 - 80MM
 - 85MM

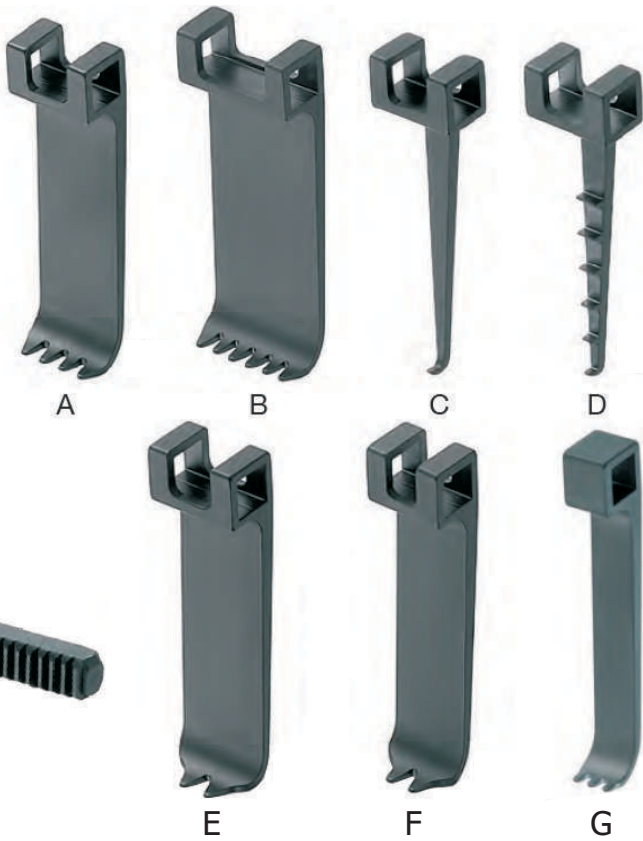
LATERAL
BLADES

- LENGTH
- 55X15MM
 - 60X15MM
 - 65X15MM
 - 70X15MM
 - 75X15MM
 - 80X15MM
 - 85X15MM
 - 90X15MM





ADJUSTABLE RETRACTOR- N-10028



MICRO DISCECTOMY RETRACTOR
MCCULLOCH

NARROW MUSCLE BLADES
BLACK COATED 4-TEETH 20mm WIDTH

- LENGTH
- 40mm
 - 50mm
 - 60mm
 - 70mm
 - 80mm
 - 90mm

WIDE MUSCLE BLADES
BLACK COATED 6-TEETH 27mm WIDTH

- LENGTH
- 40mm
 - 50mm
 - 60mm
 - 70mm
 - 80mm
 - 90mm

HOOK BLADES
BLACK COATED

- LENGTH
- 40mm
 - 50mm
 - 60mm
 - 70mm
 - 80mm
 - 90mm

HOOK BLADES
BLACK COATED MULTIPLE TOOTHED

- LENGTH
- 40mm
 - 50mm
 - 60mm
 - 70mm
 - 80mm
 - 90mm

CERVICAL BLADES
BLACK COATED 2-TEETH 20mm WIDTH

- LENGTH
- 50mm
 - 60mm
 - 70mm

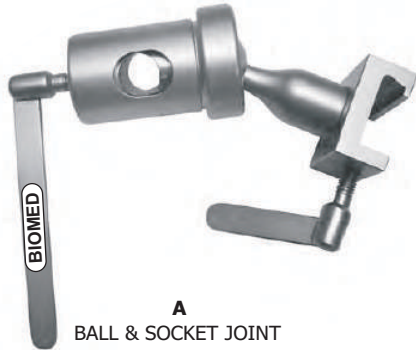
THIN MUSCLE BLADES
BLACK COATED 2-TEETH 17mm WIDTH

- LENGTH
- 40mm
 - 50mm
 - 60mm
 - 70mm
 - 80mm
 - 90mm

EXTRA THIN MUSCLE BLADES
BLACK COATED 3-TEETH 10mm WIDTH

- LENGTH
- 40mm
 - 50mm
 - 60mm
 - 70mm
 - 80mm





A
BALL & SOCKET JOINT



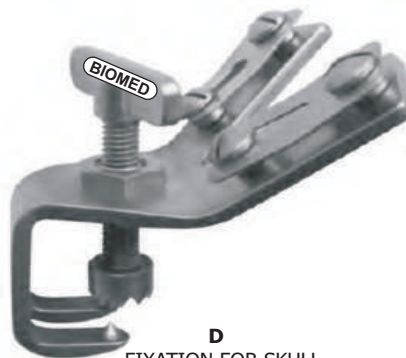
B
HOLDING ROD



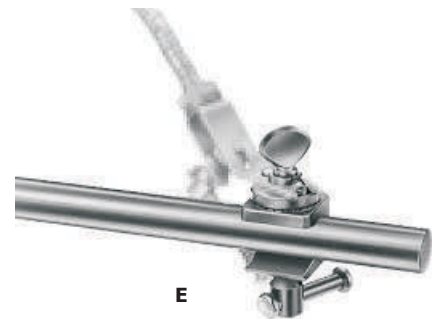
C



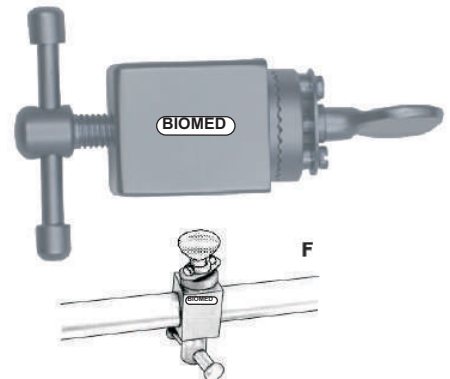
D
FIXATION FOR SKULL
1 FLEXIBLE ARM



D
FIXATION FOR SKULL
2 FLEXIBLE ARM



E



F

FLEXIBLE ARM RETRACTOR SET

COUPLING HEAD
TO TAKE 1 – 5 FLEXIBLE

COUPLING HEAD
EQUAL TO N-9584 BUT
LATERALLY OPEN AND CAN
BE FIXED SUBSEQUENTLY
AT ANY POSITION ON THE
HOLDING ROD.

COUPLING HEAD
TURNABLE, CAN BE FIX ANY
POSITION TO TAKE ONE
FLEXIBLE ARM, IF NECESSARY
SEVERAL COUPLING HEADS
CAN BE ATTACHED..

BALL & SOCKET JOINT
FOR FIXING HOLDING ROD TO POLE
OF OPERATING TABLE
MAX 9X32MM

HOLDING ROD
FOR FIXATION IN BALL- AND SOCKET
JOINT AND TO TAKE COUPLING HEAD

**FIXATION BASE FOR SKULL
MOUNTING,**

1 FLEXIBLE ARM
2 FLEXIBLE ARM

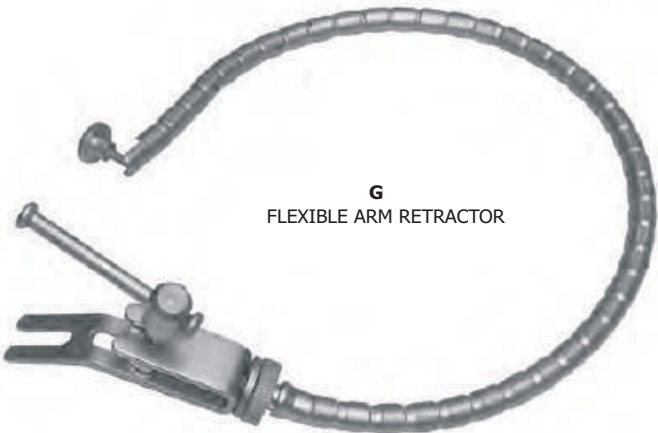




E
SUPPORT ONLY FOR FLAT



F
SUPPORT FLEXIBLE SPATULAS



G
FLEXIBLE ARM RETRACTOR

SUPPORT ONLY FOR FLAT SPATULAS
FIXING TO FLEXIBLE ARM

SUPPORT ONLY FOR SPATULA
WITH ROUND SHAFT UP TO 5.5MM DIA
FIXING TO FLEXIBLE ARM

FLEXIBLE ARM ONLY FOR ATTACHING
COUPLING HEAD



HEIFETZ BRAIN
ROUND SPATULAS MALLEABLE SHAFT 15.5cm

SIZE

- 8MM
- 11MM
- 14MM
- 17MM



MOD AACHEN
SPATULAS MALLEABLE SPATULA 20cm

SIZE

- 7+8MM
- 10+11MM
- 13+14MM
- 19+20MM



TAPERED BRAIN RETRACTOR
BLADE BEND (BLACK COATED)

TIP SIZE

- 2MM
- 4MM
- 6MM

TAPERED BRAIN RETRACTOR
STRAIGHT (BLACK COATED)

TIP SIZE

- 2MM
- 4MM
- 6MM



DAVIS/RIBBON BRAIN MALLEABLE RETRACTOR

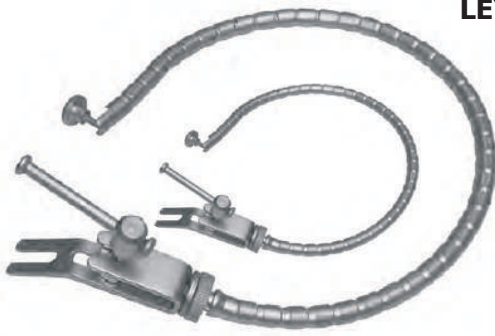
SIZE

- 6MM
- 8MM
- 10MM
- 12MM
- 14MM

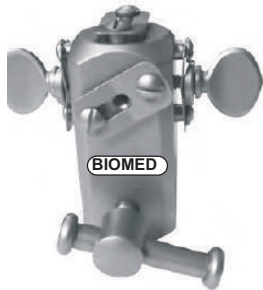
SIZE

- 16MM
- 18MM
- 20MM
- 22MM
- 25MM

LEYLA SET WITH TABLE MOUNT



FLEXIBLE ARM ONLY FOR ATTACHING COUPLING BASE



COUPLING HEAD TO TAKE 1 – 5 FLEXIBLE



BALL & SOCKET JOINT FOR FIXING HOLDING ROD TO POLE OF OPERATING TABLE MAX 9X32MM



SUPPORT ONLY FOR FLAT SPATULAS FIXING TO FLEXIBLE ARM



4MM TAPERED RETRACTOR STRAIGHT(BLACK COATED)

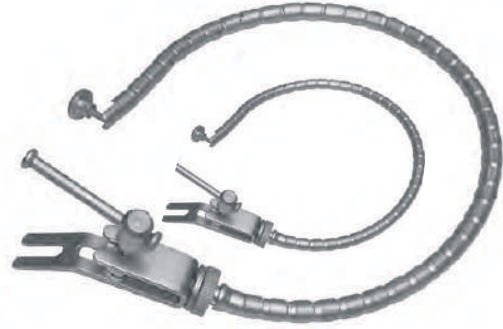


HOLDING ROD FOR FIXATION IN BALL- AND SOCKET JOINT AND TO TAKE COUPLING HEAD

LEYLA SET WITH SKULL MOUNT



4MM TAPERED RETRACTOR STRAIGHT (BLACK COATED)



FLEXIBLE ARM ONLY FOR ATTACHING COUPLING BASE



FIXATION BASE FOR SKULL MOUNTING,



FIXATION FOR SKULL 1 FLEXIBLE ARM

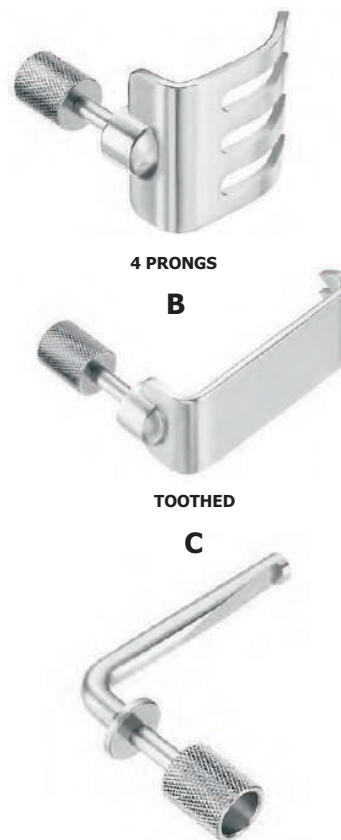


SUPPORT ONLY FOR FLAT SPATULAS FIXING TO FLEXIBLE ARM



SCOVILLE

HAVERFIELD HEMIEMINECTOMY RETRACTOR



4 PRONGS

B

TOOTHED

C

HOOK SHAPED BLUNT

D

SCOVILLE RETRACTORS BLADES

4 PRONGS

BLADES

SIZE

41mmx38mm
66mmx48mm
48mmx51mm
63mmx63mm
82mmx58mm

TOOTHED

BLADES

SIZE

63mm x 26mm
66mm x 30mm
89mm x 26mm
51mm x 51mm
63mm x 51mm

HOOK SHAPED BLUNT

BLADES

SIZE

50mm x 5mm
75mm x 5mm





A



B

SELF-RETAINING RETRACTORS

CONE SELF-RETAINING

RETRACTOR

FIG. CAT NO. LENGTH

16cm 18mm 3x4 PRONGS SEMI SHARP
20cm 20mm 3x4 PRONGS SEMI SHARP
26cm 27mm 3x4 PRONGS SEMI SHARP

16cm 18mm 3x4 PRONGS BLUNT
20cm 20mm 3x4 PRONGS BLUNT
26cm 27mm 3x4 PRONGS BLUNT

WILLIAMS MICRO DISCECTOMY

RETRACTOR, LENGTH 17CM
(LEFT & RIGHT)

LEFT

BLADE SIZE

50 x 10mm
70 x 10mm
50 x 20mm
70 x 20mm

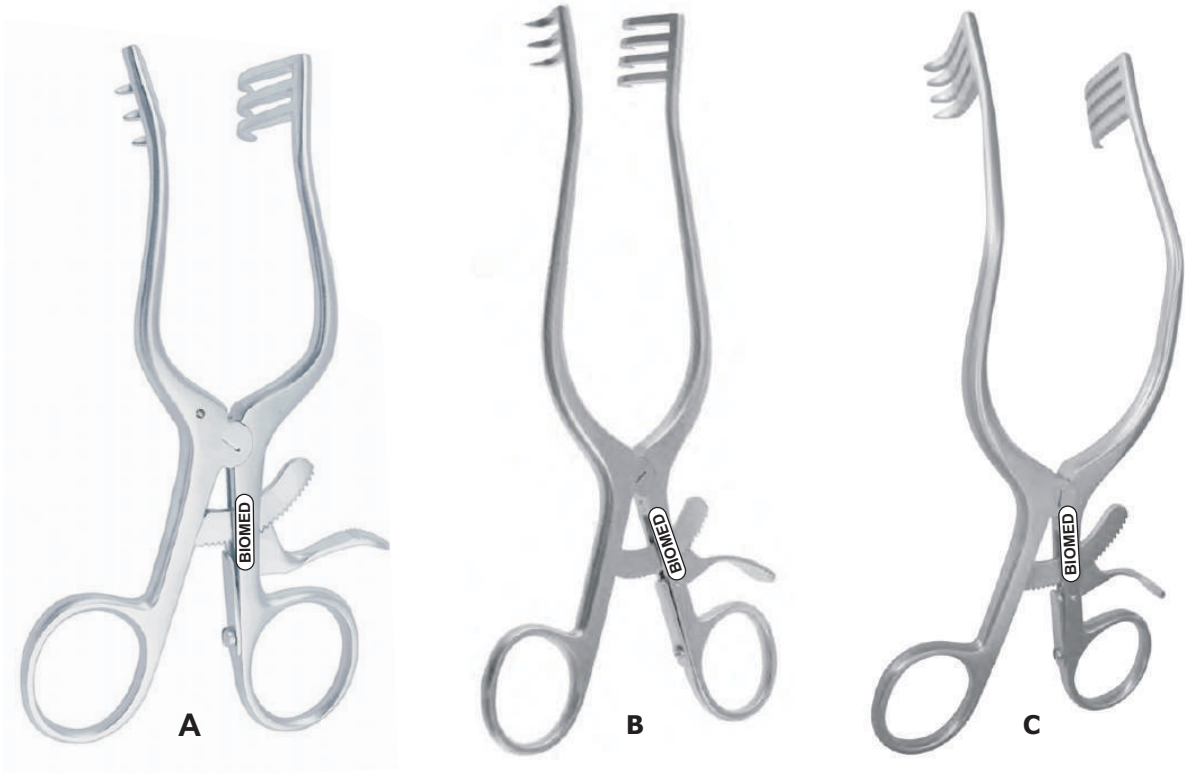
RIGHT

AS SHOWN IN PICTURE ABOVE

BLADE SIZE

50 x 10mm
70 x 10mm
50 x 20mm
70 x 20mm





SELF-RETAINING RETRACTORS

MINI WEITLANER
RETRACTOR

LENGTH

11cm 16mm 2x3 PRONGS SEMI SHARP
11cm 16mm 2x3 PRONGS BLUNT

WEITLANER STRAIGHT
RETRACTOR

LENGTH

13cm 18mm 3x4 PRONGS SEMI SHARP
16cm 18mm 3x4 PRONGS SEMI SHARP
20cm 21mm 3x4 PRONGS SEMI SHARP
25cm 27mm 3x4 PRONGS SEMI SHARP
20cm 21mm 4x5 PRONGS SEMI SHARP

LENGTH

13cm 18mm 3x4 PRONGS BLUNT
16cm 18mm 3x4 PRONGS BLUNT
20cm 21mm 3x4 PRONGS BLUNT
25cm 27mm 3x4 PRONGS BLUNT

WEITLANER CURVED
RETRACTOR

LENGTH

20cm 21mm 3x4 PRONGS SEMI SHARP
25cm 27mm 3x4 PRONGS SEMI SHARP
20cm 21mm 4x5 PRONGS SEMI SHARP

ANDERSON ADSON
CEREBELLAR RETRACTOR

FIG. CAT NO.

LENGTH

C N-10388 20cm 16mm 4x4 PRONGS SEMI SEMI
C N-10405 19cm,23mm 4x4 PRONG SIMI SHARP





SELF-RETAINING RETRACTORS

WEITLANER STRAIGHT RETRACTOR

LENGTH

26cm 27mm 5x6 PRONGS SEMI SHARP
26cm 27mm 5x6 PRONGS BLUNT

HEMILAMINECTOMY RETRACTOR

LENGTH

29cm 42mm 6x6 PRONGS SEMI SHARP
29cm 42mm 6x6 PRONGS BLUNT

HEMILAMINECTOMY

RIGHT BLADE 42mm LEFT BLADE 22mm DEPTH

LENGTH

29cm 22/42mm 6x6 PRONGS SEMI SHARP

WEITLANER CURVED RETRACTOR

LENGTH

26cm 27mm 5x6 PRONGS SEMI SHARP



HEMILAMINECTOMY

RIGHT BLADE 22mm, LEFT BLADE 42mm DEPTH

LENGTH

29cm 22/42mm 6x6 PRONGS SEMI SHARP



A



B



C

SELF-RETAINING RETRACTORS

MOLLISON RETRACTOR

LENGTH

14cm, 18mm 3x3 PRONGS SEMI SHARP
14cm, 18mm 3x3 PRONGS BLUNT
14cm, 18mm 3x4 PRONGS SEMI SHARP
14cm, 18mm 3x4 PRONGS BLUNT
16.5cm, 18mm 3x4 PRONGS SEMI SHARP
16.5cm, 18mm 3x4 PRONGS BLUNT

BECKMAN ADSON LAMINECTOMY

LENGTH

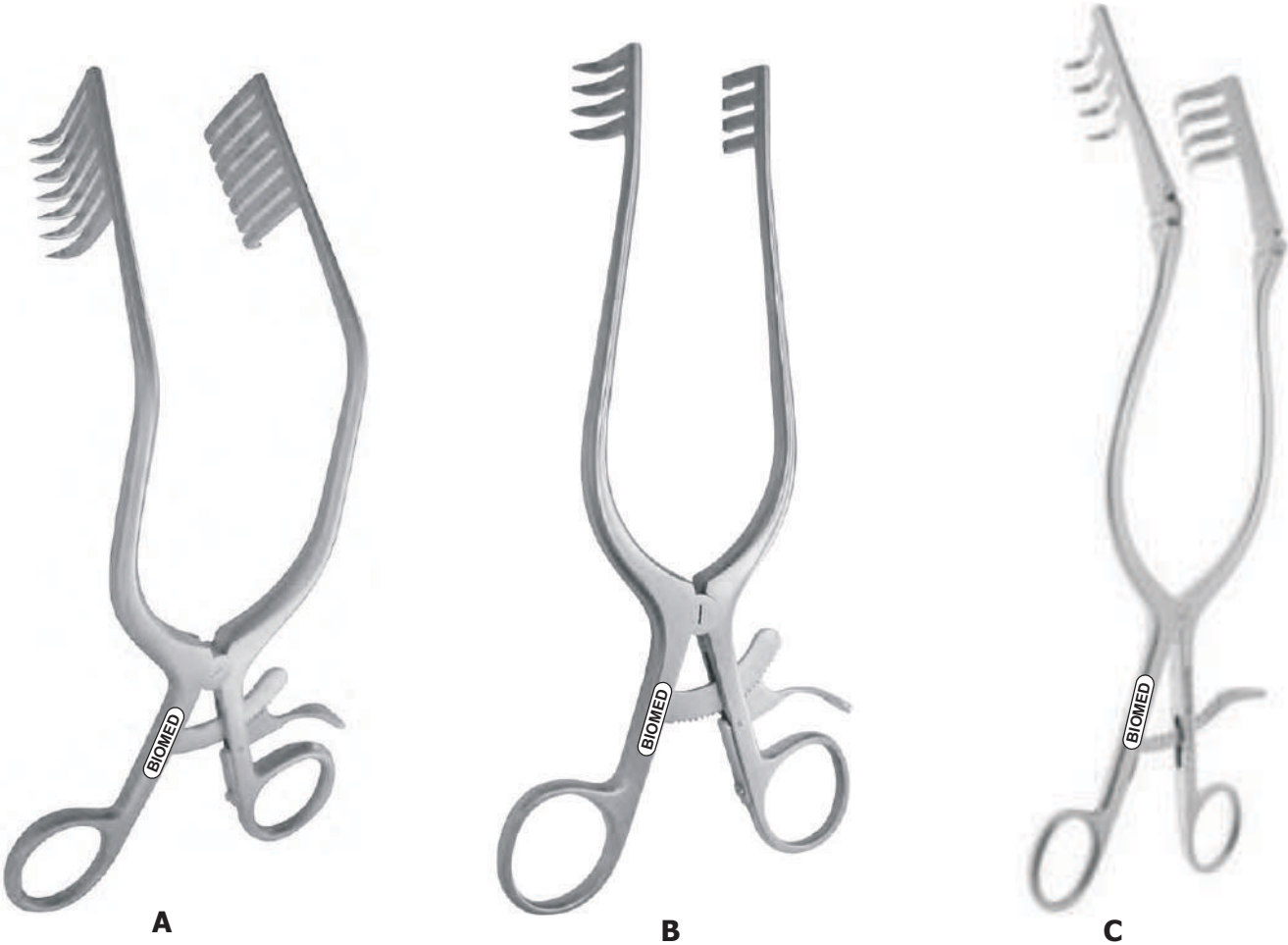
31cm, 37mm 4x4 PRONGS SEMI SHARP
31cm, 48mm 4x4 PRONGS SEMI SHARP
31cm, 37mm 4x4 PRONGS BLUNT
31cm, 48mm 4x4 PRONGS BLUNT

BEEKMAN EATON LAMINECTOMY RETRACTOR

LENGTH

32cm, 50mm 7x7 PRONGS SEMI SHARP





SELF-RETAINING RETRACTORS

MISKIMON CEREBELLAR
RETRACTOR

FIG.	CAT NO.	LENGTH
A	N-10402	22cm, 35mm 7x7 PRONGS SHARP
A	N-10403	22cm, 35mm 7x7 PRONGS SIME SHARP

ADSON CEREBELLAR
RETRACTOR

FIG.	CAT NO.	LENGTH
B	7606	19cm, 23mm 4x4 PRONGS SHARP
B	7607	19cm, 23mm 4x4 PRONGS BLUNT

MAYO ADSON LAMINECTOMY
RETRACTOR

FIG.	CAT NO.	LENGTH
C	7609	31cm, 27mm 4x5 PRONGS SIMI SHARP
C	7608	31cm, 27mm 4x5 PRONGS BLUNT





SELF-RETAINING RETRACTORS

CEREBELLAR
SELF-RETAINING RETRACTOR

FIG.	CAT NO.	LENGTH
A	N-10407	20cm, 27mm 4x5 STRAIGHT
A	N-9592	20cm, 27mm 4x5 CURVED (as shown above)

GELPI SKIN
RETRACTOR

FIG.	CAT NO.	LENGTH
B	N-9039	18.5cm
B	N-10535	14cm
B	N-10536	12cm

BLADES ARE TEFLON COATED

D	B-15123	18cm
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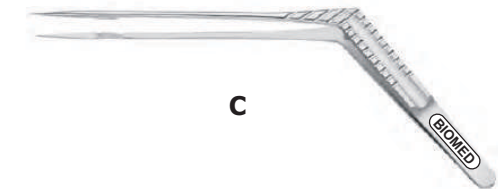
JANSEN RETRACTOR

FIG.	CAT NO.	LENGTH
C	1049	3x3 PRONGS





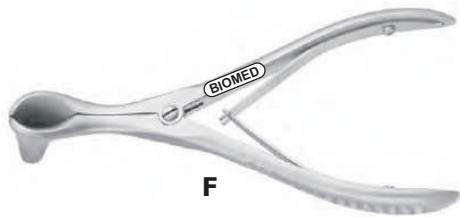
A



C



D



F

TRANS-SPHENOIDAL HYPOPHYSECTOMY

CUSHING LANDOLT
SPECULUM

FIG.	CAT NO.	LENGTH
A	N-10408	70X15mm
A	N-10409	90x15mm
A	N-10410	110x15mm

TISSUE
FORCEPS

FIG.	CAT NO.	LENGTH
C	N-10416	215MM, 8 1/2"

SPREADER FOR
SPECULUM

FIG.	CAT NO.	LENGTH
D	OR-11761	21cm

SPREADER FOR
SPECULUM

FIG.	CAT NO.
F	2140

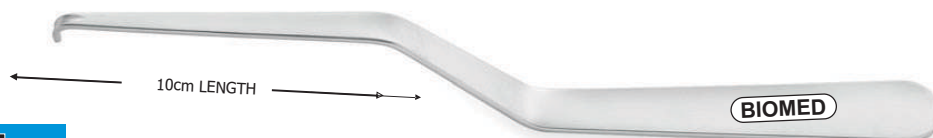


LOVE BAYONET NERVE

ROOT RETRACTOR 21cm

SIZE

4mm



KRAYENBUHL NERVE

ROOT RETRACTOR DOUBLE BAYONET

SIZE

3mm
4mm

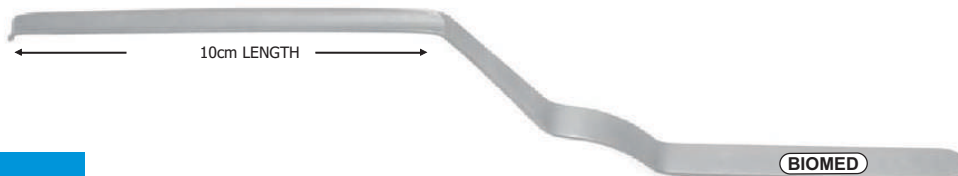


CASPAR BAYONET

NERVE ROOT RETRACTOR 24cm

SIZE

4mm
6mm



O' CONNELL NERVE

ROOT RETRACTOR 21.5cm LENGTH



LOVE NERVE

ROOT RETRACTOR 20cm 5mm TIP WIDTH

SIZE

STRAIGHT 5X5MM
25° ANGLED 5X5MM
90° ANGLED 5X5MM

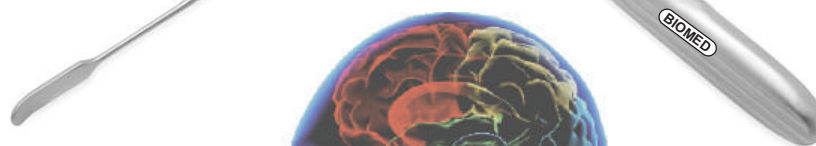


MCCULLOCH NERVE

ROOT RETRACTOR 90°, 6mm TIP
WORKING LENGTH 12.5cm/5"

SIZE

6mm

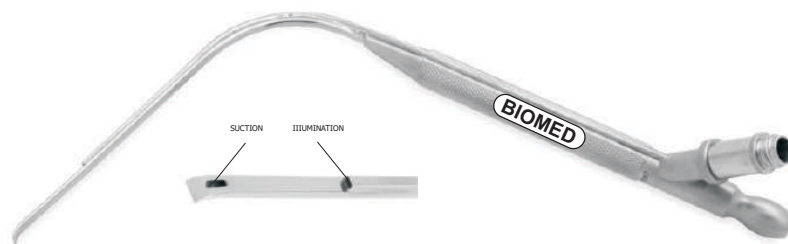


SHEPPERD SUCTION

RETRACTOR, FIBER OPTIC ILLUMINATION
LENGTH 21CM- WORKING LENGTH-11CM

SIZE

4MM
6MM

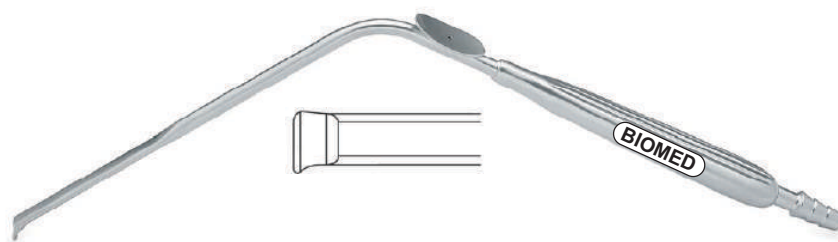


NERVE ROOT

RETRACTOR 31cm with SUCTION TIP
7mm Tip

SIZE

7mm



HESS NERVE

ROOT RETRACTOR 19cm, WORKING LENGTH-10CM

SIZE

3mm
4mm
5mm
7mm

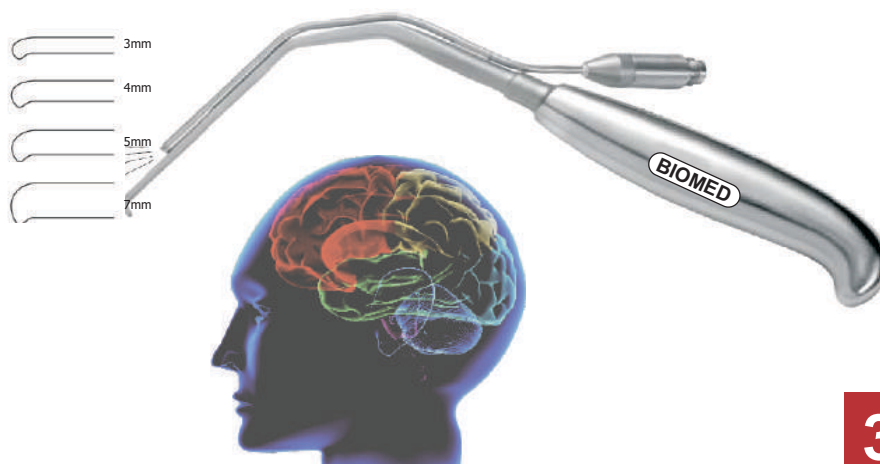


HESS NERVE ROOT

RETRACTOR 19cm, WITH FIBER OPTIC LIGHT

SIZE

3mm
4mm
5mm
7mm



OBWEGESER DOWN RETRACTOR 21.5cm LENGTH

SIZE

18 x 5mm
25 x 7mm
35 x 10mm
42 x 10mm
55 x 12mm
70 x 14mm
80 x 16mm



LANGENBECK RETRACTOR 21.5cm LENGTH

SIZE

25x6mm
35x15mm
45x20mm
65x25mm
75x25mm
90x25mm



TAYLOR HIP RETRACTOR 19cm LENGTH

SIZE

70mm
85mm
100mm



VOLKMANN CATSPA W RETRACTOR SEMI SHARP TEETH

SIZE

3 PRONGS
4 PRONGS
6 PRONGS



15x15mm
3 PRONGS



15x20mm
4 PRONGS



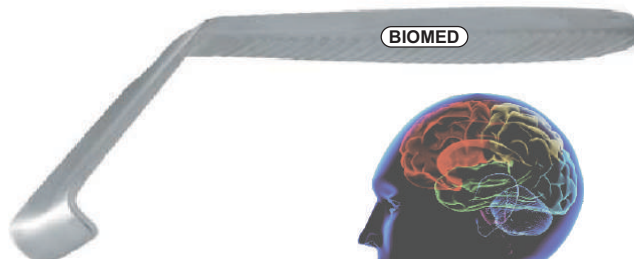
15x30mm
6 PRONGS

CLOWARD STYLE BLADE RETRACTOR 18cm- BLACK COATED

CAT NO.

SIZE

N-10438	14mm
N-10439	18mm
N-10440	20mm
N-10137	23mm





COTTLE
RETRACTOR
BLUNT



COTTLE
RETRACTOR
SHARP



COTTLE UPPER
RETRACTOR



JOSEPH
RETRACTOR
FINE SHARP



GILLIES
SKIN HOOK

MICRO FINE

3mm

5mm



COTTLE UPPER
FLUORINE COATED RETRACTOR



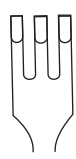
ROLLET RETRACTOR
4 SHARP PRONGS



KILNER
RETRACTOR



SHARP



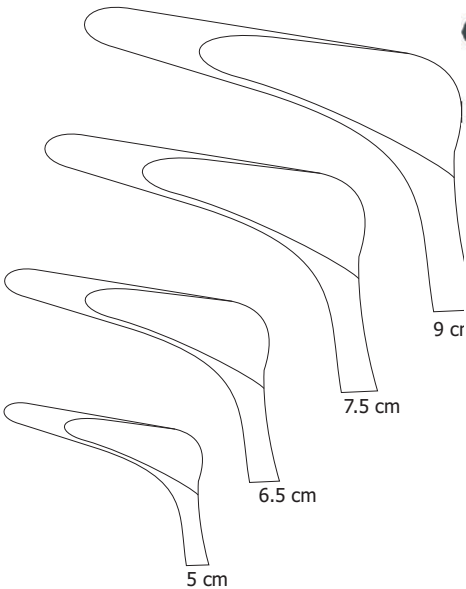
BLUNT



RAGNELL RETRACTOR
16cm

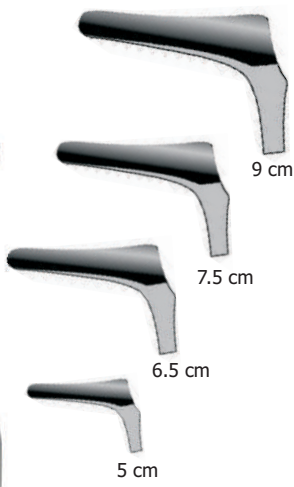


KILLIAN NASAL SPECULUM
5cm, 6.5cm, 7.5cm, 9cm

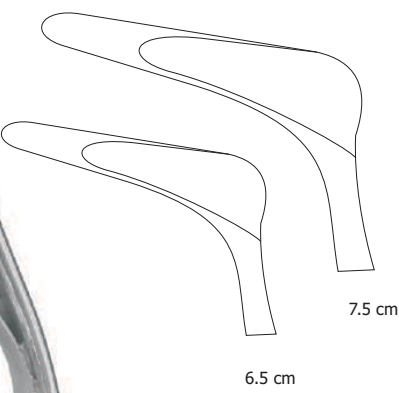


COTTLE KILLIAN NASAL SPECULUM

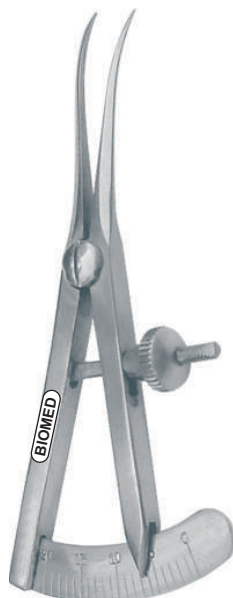
BLACK COATED
5CM 6.5CM, 7.5CM, 9CM



KILLIAN NASAL SPECULUM
WITH FIBER OPTIC LIGHT



CALIPER
STRAIGHT
S.S
TITANIUM



CALIPER
CURVED

OSTEOTOME, FIBER HANDLE

LENGTH - 25cm 9 3/4"

SIZE

5 mm
8 mm
10 mm
12 mm
14 mm
16 mm
18 mm
20 mm
25 mm
30 mm



CHISELS, FIBER HANDLE

LENGTH- 25cm 9 3/4"

SIZE

5 mm
8 mm
10 mm
14 mm
15 mm
18 mm
20 mm
22 mm
25 mm
30 mm



GOUGE, FIBER HANDLE

LENGTH- 25cm 9 3/4"

SIZE

5 mm
8 mm
10 mm
12 mm
14 mm
15 mm
16 mm
18 mm
20 mm
25 mm
30 mm



LEXER OSTEOTOME

22cm 8 1/2" TUFNOL HANDLE

SIZE

7 mm
10 mm
15 mm
20 mm
25 mm
30 mm



SCAGLIETTI OSTEOTOME

26cm 10 1/4" LENGTH

SIZE

6 mm
9 mm
12 mm
16 mm
19 mm



MINI STILLE OSTEOTOME

STRAIGHT 16cm 6¼"

SIZE

2mm
3mm
4mm
6mm
8mm
10mm



STILLE OSTEOTOME

20cm 8" LENGTH

SIZE

6MM
8MM
10MM
12MM
14MM
18MM
22MM



MEASURING OSTEOTOME

STRAIGHT 16cm 6¼"

SIZE

2mm
3mm
4mm
5mm
6mm



STILLE CHISEL

20cm 8" LENGTH

SIZE

6MM
8MM
10MM
12MM
14MM
18MM
22MM



LAMBOTTE OSTEOTOME

25cm 9¾" LENGTH

SIZE

4mm
6mm
8mm
13mm
16mm
18mm
20mm
25mm
30mm

SIZE

4mm
6mm
8mm
13mm
16mm
18mm
20mm
25mm
30mm



SMITH PETERSON

GOUGE

25cm 9¾" LENGTH

SIZE

6mm
9mm
13mm
16mm
19mm
25mm
32mm



SMITH PETERSON

OSTEOTOME

20cm 8" LENGTH

SIZE

10mm
15mm
20mm
25mm
30mm



KILLIAN GOUGE

16cm LENGTH

SIZE

4mm
5mm

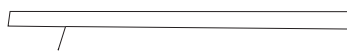


TILLEY SEPTUM GOUGE

16cm LENGTH

SIZE

4mm
5mm

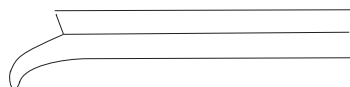
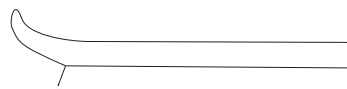


SILVER CHISEL

16cm 6¼"

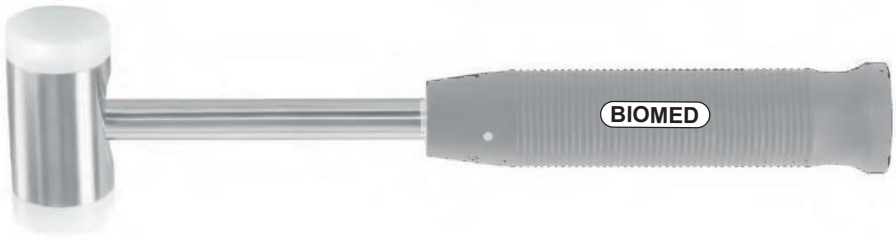
SHAPE

STRAIGHT
RIGHT
LEFT



TOFFEE MALLET

24.5cm , 200 G
30mm WITH INTERCHANGEABLE
PLASTIC DISC



COTTLE MALLET

PLAIN/CONEX 30mm Ø
WEIGHT 300g

LENGTH

19cm/7½"



CLWARD TYPE MALLET

19MM,220G 7½"
25MM,340G 9"

LENGTH

7½"
9"



**MALLET WITH
FERROZELL HANDLE**

HEAD SIZE 35mm Ø
WEIGHT 500g/20oz

LENGTH

23cm/9"



OMBREDANNE MALLET

HEAD SIZE 40mm Ø
WEIGHT 550g/20oz

LENGTH

24cm/9½"

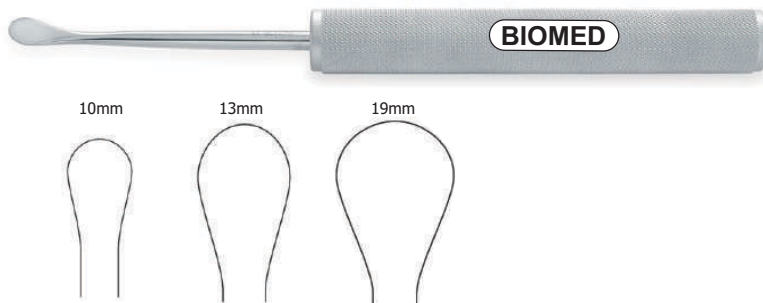


COBB SPINAL ELEVATOR

31cm 12¼" OVERALL LENGTH 18cm HANDLE

SIZE

10mm
13mm
19mm
16mm
22mm
25mm



COB SPINAL ELEVATOR

EXTRA LONG HANDLE, 34cm 13½" OVERALL LENGTH 22cm 8¾" HANDLE LENGTH

SIZE

10mm
15mm
20mm
25mm
30mm



ZIELKE S-SHAPED GOUGE

23cm/9" LENGTH

SIZE

6mm
9mm
6mm
9mm



COBB SPINAL GOUGE

31CM/12½" LENGTH

SIZE

6mm
6mm



CAPENER LAMINA GOUGE

23cm/9" LENGTH CRANKED SHAFT

SIZE

6mm
8mm
11mm
16mm





FREER 19CM
ELEVATOR BROAD



FREER,19CM
ELEVATOR FINE



FREER,19CM
ELEVATOR



MASING,19CM
ELEVATOR GRADUATED



HOWARTH,19CM
ELEVATOR



DISSECTOR ,20CM
WITH SUCCER



COHEN,19CM
ELEVATOR



WOODSON DURAL,19CM
SEPARATOR & PACKER ,



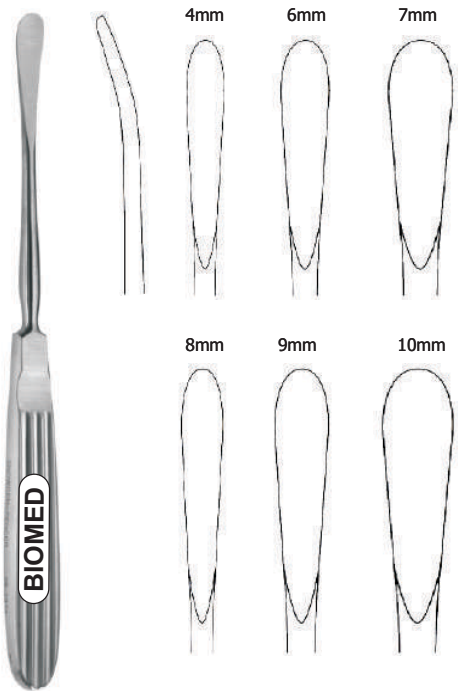
WATSON CHEYENE 19CM
DOUBLE ENDED
PROBE DISSECTOR



DAVIS DISSECTOR
24CM



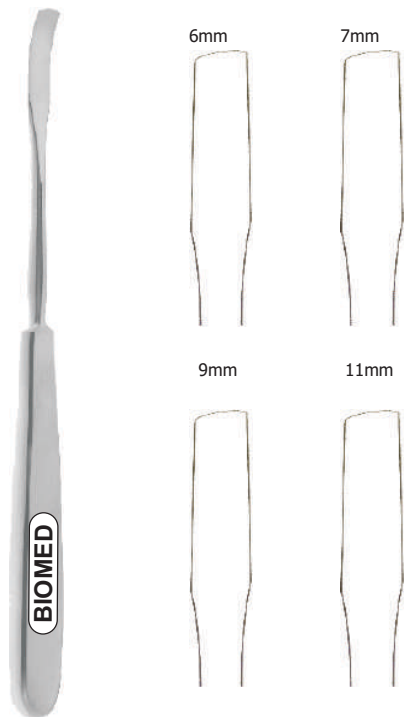
**OBWEGESER
(V SHAPE)
RASPATORIEN 18CM**



**ADSON PRIOSTEAL
ELEVATOR 18CM**



**CUSHING
ELEVATOR SQUARE EDGE
19CM/TIP 16MM**



**OBWEGESER
RASPATORIEN- 18CM**



**RASPATORIEN
(SHARP)-18CM**



**CUSHING
ELEVATOR ROUND EDGE
19CM/TIP 16MM**



LAMPERT CURETTE
STRAIGHT/ANGLED 21cm/8¼"



STRAIGHT

- SIZE
- 1.0mm
 - 1.5mm
 - 2.0mm
 - 2.5mm
 - 3.0mm
 - 3.5mm
 - 4.0mm
 - 4.5mm
 - 5.0mm



ANGLED

- SIZE
- 1.0mm
 - 1.5mm
 - 2.0mm
 - 2.5mm
 - 3.0mm
 - 3.5mm
 - 4.0mm
 - 4.5mm
 - 5.0mm



BRUNS CURETTE
STRAIGHT/ANGLED 10"



STRAIGHT

- SIZE
- 2.5MM
 - 3.0MM
 - 3.5MM
 - 4.0MM
 - 4.5MM
 - 5.0MM



ANGLED

- SIZE
- 2.5MM
 - 3.0MM
 - 3.5MM
 - 4.0MM
 - 4.5MM
 - 5.0MM



DOWN

- SIZE
- 1.5MM
 - 2.0MM
 - 2.5MM
 - 3.0MM
 - 3.5MM
 - 4.0MM
 - 4.5MM
 - 5.0MM



LONG SPINAL
MICRO CURETTE 25CM/10"



STRAIGHT

- SIZE
- 3MM
 - 4MM
 - 5MM



ANGLED

- SIZE
- 3MM
 - 4MM
 - 5MM



COBB SPINAL
CURETTE 38cm/15½"
OVERALL LENGTH



STRAIGHT

- SIZE
- 3mm
 - 4mm
 - 5mm
 - 6mm
 - 7mm
 - 8mm



ANGLED

- SIZE
- 3mm
 - 4mm
 - 5mm
 - 6mm
 - 7mm
 - 8mm

VOLKMANN DOUBLE ENDED CURETTE 22CM

SIZE
3MM/5MM
4MM/6MM
5MM/7MM



CLOWARD RING CURETTE 23cm/9"

STRAIGHT 3mm
STRAIGHT 6mm
STRAIGHT 8mm
ANGLED 3mm
ANGLED 6mm
ANGLED 8mm



CERVICAL BONE GRAFT IMPACTOR 90°AND 30° OFFSET

TIP DIA
6mmx12mm TIP 90°
3.5mmx6mm TIP 90°
7mmx13mm TIP 30°



CASPER BONE GRFT IMPACTOR 8"/20CM

TIP DIA
3mm
5mm
8mm



CLOWARD TYPE BONE GRAFT IMPACTOR, DOUBLE ENDED 11/14MM



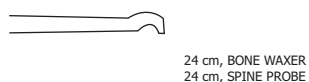
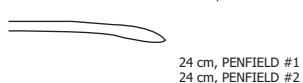
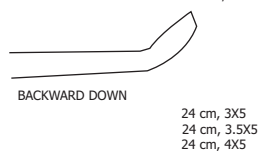
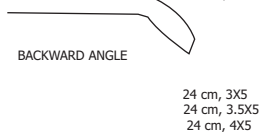
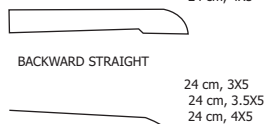
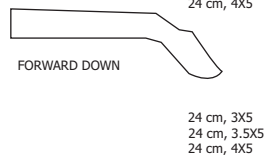
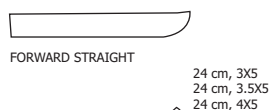
CLOWARD DEPTH GAUGE



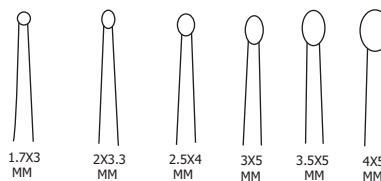
FAIRGRIP BAYONET CURETTE STYLE



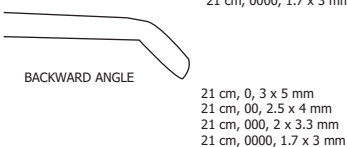
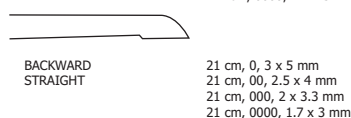
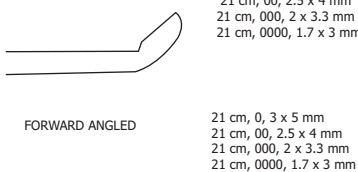
LUMBAR LONG SET (LARGER ANATOMY)



CURETTE DIMENSION CHART (ACTUAL SIZE SHOWN)

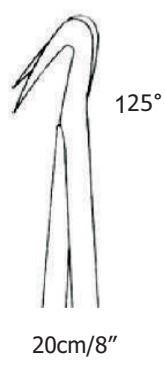


CERVICAL SET (SMALL ANATOMY)





MICRO SPRING SCISSORS
ANGLED 17 cm



1 PROBE POINTED BLADE



NEGAL





YASARGIL MICRO SCISSORS BAYONET SHAPE



STRAIGHT

16.5cm/ 6½"
20cm/8"



UPWARD



DOWNWARD

MICRO DISSECTING SCISSORS



STRAIGHT

20cm/8"
22.5cm/9"



UPWARD

20cm/8"
22.5cm/9"

MICRO FINE TIP



STRAIGHT

VANNAS
22.5cm/9"



UPWARD

VANNAS
22.5cm/9"

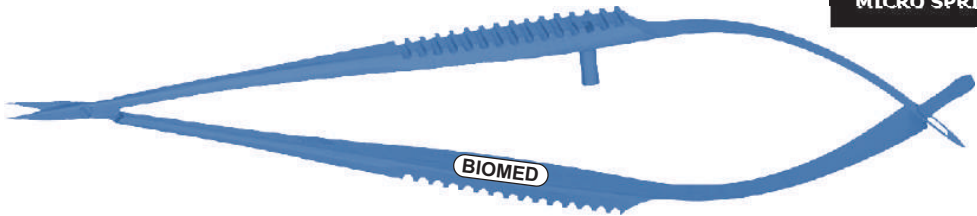


YASARGIL





MICRO SPRING SCISSORS FLAT HANDLE



	S.S
	T.C
	TITANIUM

SIZE
6"
6"
6"

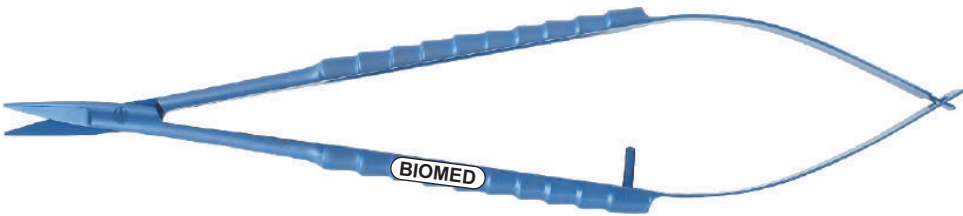
	S.S
	T.C
	TITANIUM

SIZE
7"
7"
7"

	S.S
	T.C
	TITANIUM

SIZE
8"
8"
8"

MICRO SCISSORS SPRING ROUND HANDLE



	S.S
	T.C
	TITANIUM

SIZE
6"
6"
6"

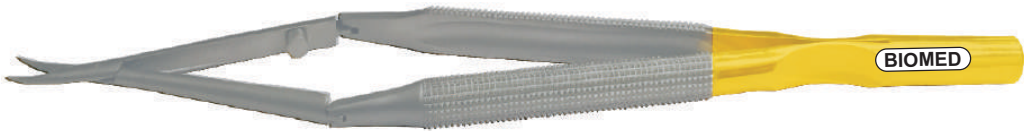
	S.S
	T.C
	TITANIUM

SIZE
7"
7"
7"

	S.S
	T.C
	TITANIUM

SIZE
8"
8"
8"

DENNIS MICRO SCISSORS SPRING
ROUND HANDLE, DOUBLE ACTION, 18.4CM



	S.S
--	-----





YASARGIL MICRO SCISSORS BAYONET SHAPE



YASARGIL



UPWARD
22.5cm/9"
TITANIUM



STRAIGHT
22.5cm/9"
TITANIUM



DOWNWARD
22.5cm/9"



UPWARD
22.5cm/9"
24.5cm/9¾"
22.5cm/9"
T.C



STRAIGHT
22.5CM
24.5CM
22.5CM
T.C



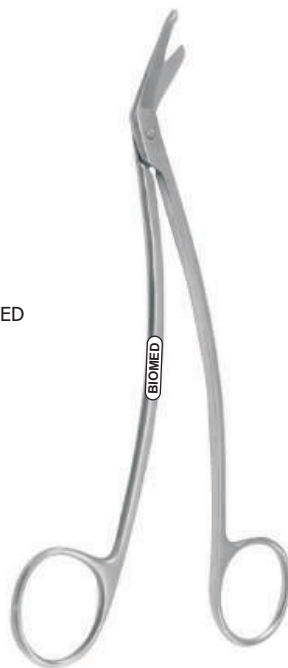
YASARGIL



JAMISON METZENBAUM
SCISSORS NARROW TIP BLUNT CURVED

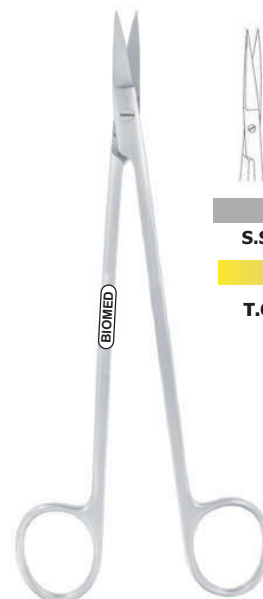
9"
7"
6"

T.C



SCHMIEDEN-TAYLOR
DURA SCISSOR 15,5CM, 6"

S.S
T.C



KELLY SCISSORS
STRAIGHT 16cm 6 1/4"

S.S
T.C



STEVENS SCISSORS
CURVED

4 1/2"

S.S



STEVENS SCISSORS
CURVED

4 1/2"
5 1/2"

T.C

STEVENS SCISSORS
STRAIGHT

4 1/2"

S.S

STEVENS SCISSORS
STRAIGHT

4 1/2"
5 1/2"

T.C



STEVENS SCISSORS
CURVED

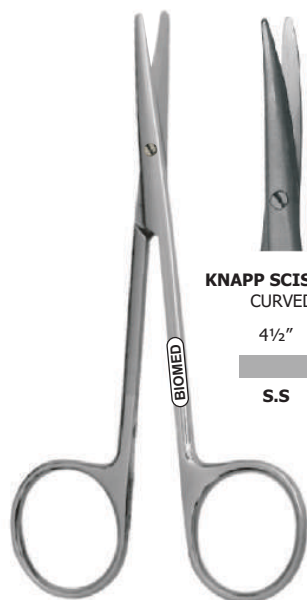
4 1/2"
5 1/2"

S.C

STEVENS SCISSORS
STRAIGHT

4 1/2"
5 1/2"

S.C



KNAPP SCISSORS
STRAIGHT
4 1/2"
S.S

KNAPP SCISSORS
CURVED
4 1/2"
S.S



KNAPP SCISSORS
STRAIGHT
4 1/2"
5 1/2"
T.C

KNAPP SCISSORS
CURVED
4 1/2"
5 1/2"
T.C



KNAPP SCISSORS
STRAIGHT
4 1/2"
5 1/2"
S.C

KNAPP SCISSORS
CURVED
4 1/2"
5 1/2"
S.C



IRIS SCISSORS
STRAIGHT
3 1/2"
4"
5"
S.S

IRIS SCISSORS
CURVED
3 1/2"
4"
5"
S.S



IRIS SCISSORS
STRAIGHT
3 1/2"
4"
5"
T.C

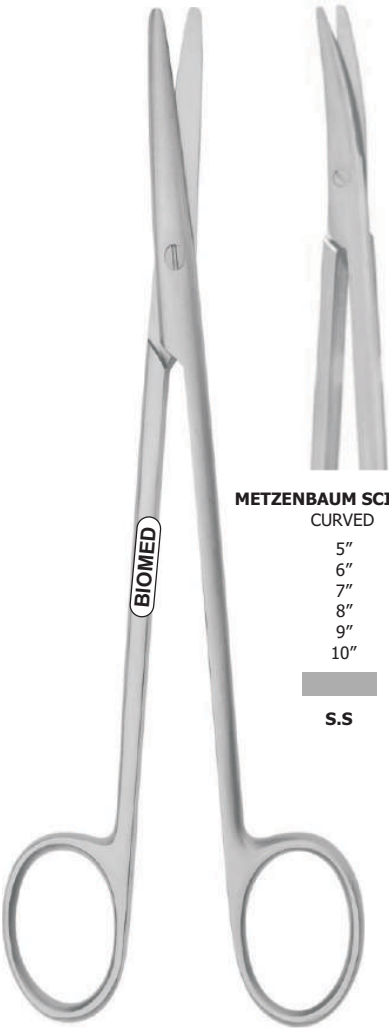
IRIS SCISSORS
CURVED
3 1/2"
4"
5"
T.C



IRIS SCISSORS
STRAIGHT
4"
5"
S.C

IRIS SCISSORS
CURVED
4"
5"
S.C





METZENBAUM SCISSORS
CURVED

5"
6"
7"
8"
9"
10"



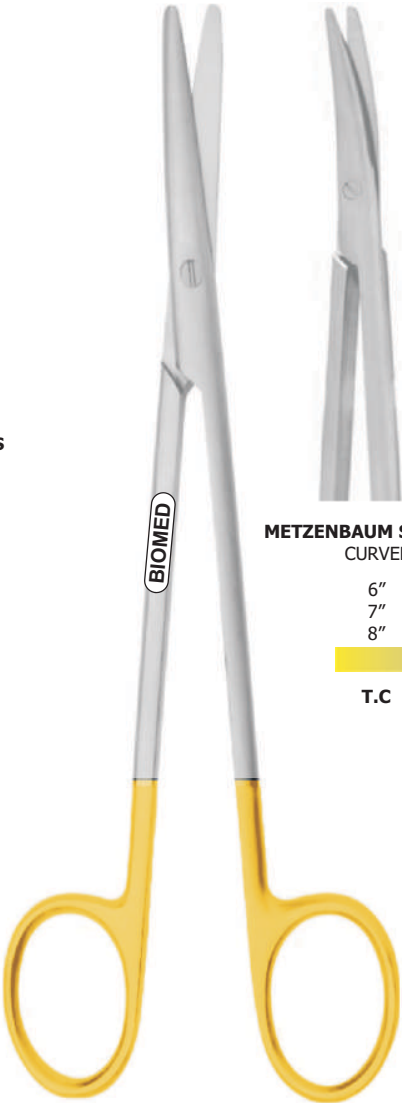
S.S

METZENBAUM SCISSORS
STRAIGHT

5"
6"
7"
8"
9"
10"



S.S



METZENBAUM SCISSORS
CURVED

6"
7"
8"



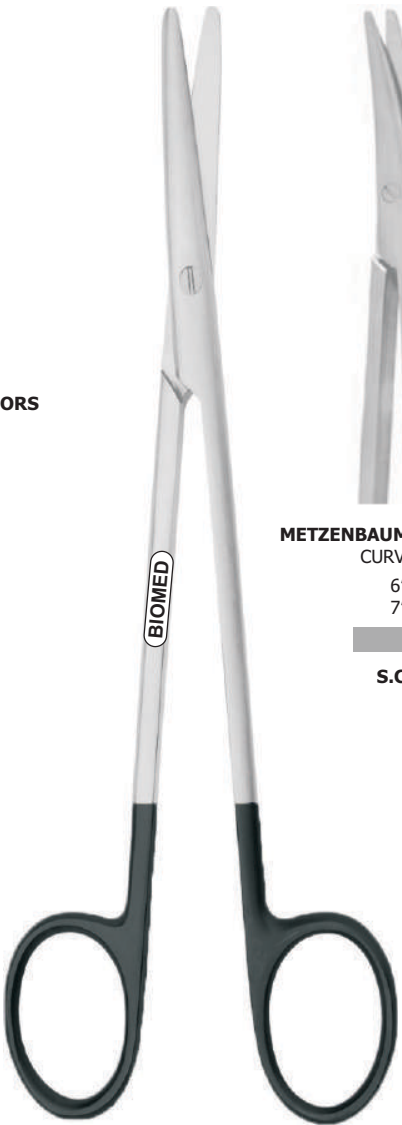
T.C

METZENBAUM SCISSORS
STRAIGHT

6"
7"
8"



T.C



METZENBAUM SCISSORS
CURVED

6"
7"



S.C

METZENBAUM SCISSORS
STRAIGHT

6"
7"



S.C



MAYO SCISSORS
STRAIGHT

5 1/2"
6 1/2"
7 1/2"
8 1/2"
9 1/2"
10 1/2"

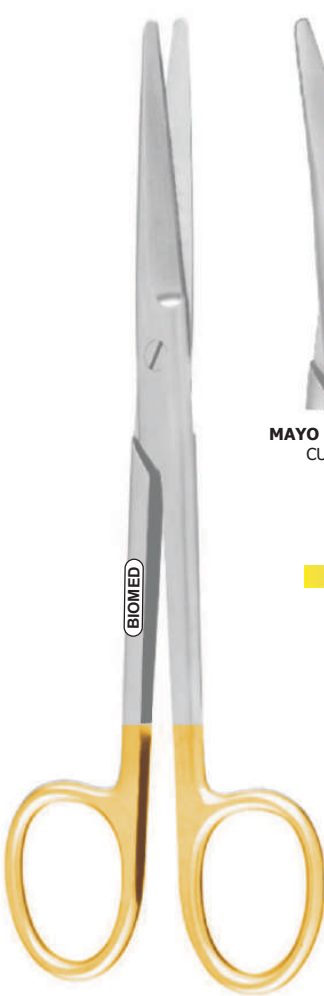
S.S



MAYO SCISSORS
CURVED

5 1/2"
6 1/2"
7 1/2"
8 1/2"
9 1/2"
10 1/2"

S.S



MAYO SCISSORS
STRAIGHT

5 1/2"
6 1/2"
7 1/2"
8 1/2"

T.C



MAYO SCISSORS
CURVED

5 1/2"
6 1/2"
7 1/2"
8 1/2"

T.C



MAYO SCISSORS
STRAIGHT

6 1/2"
7 1/2"

S.C

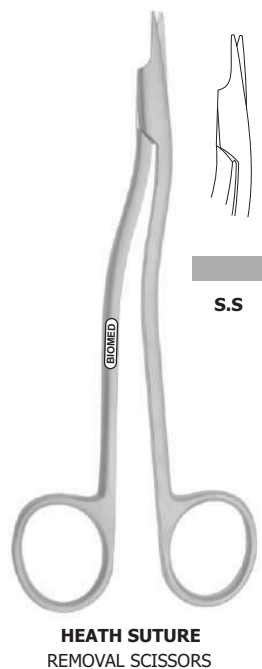
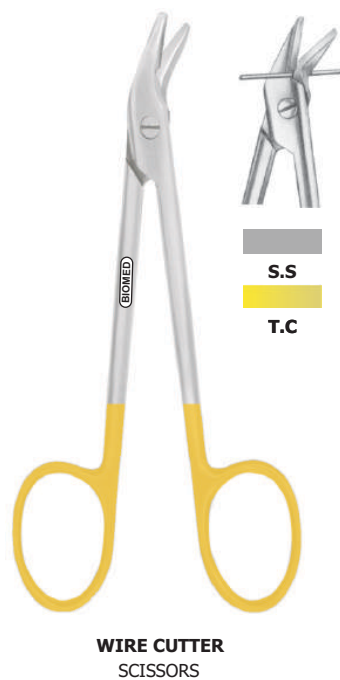
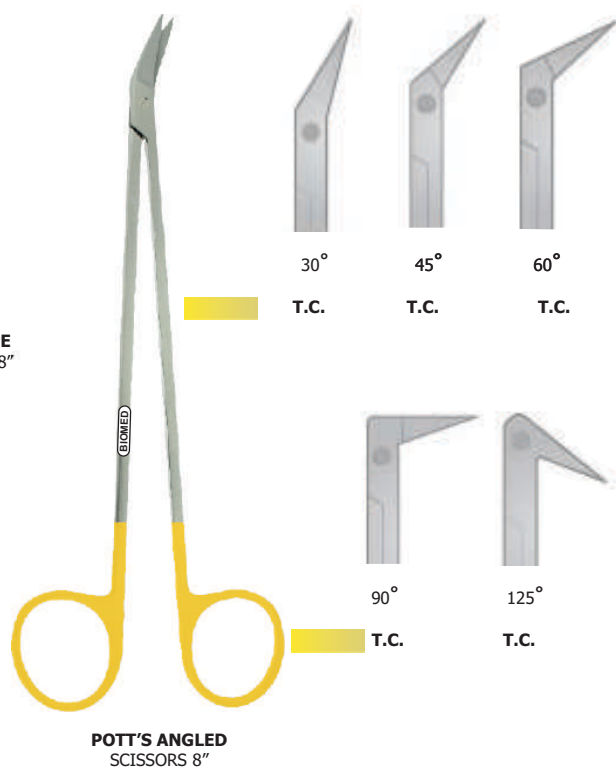
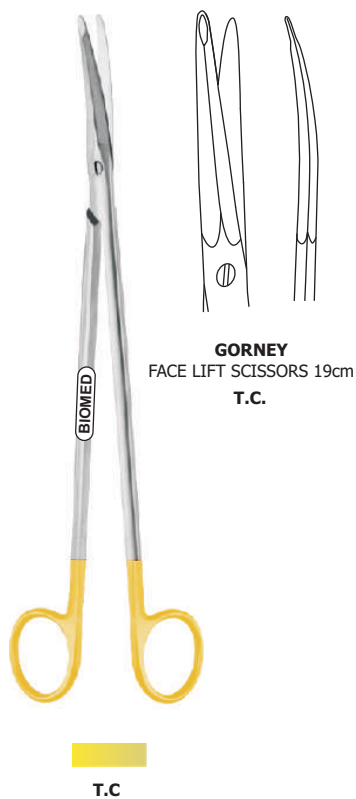


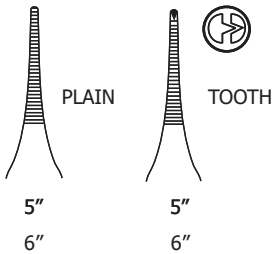
MAYO SCISSORS
CURVED

6 1/2"
7 1/2"

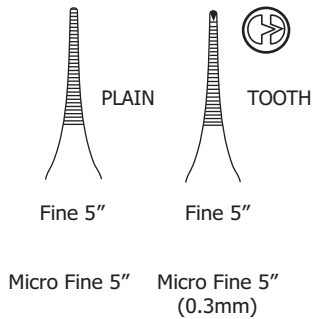
S.C







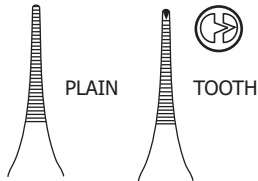
ADSON FORCEPS



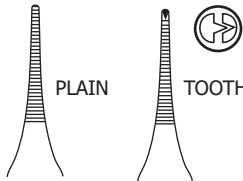
ADSON FORCEPS



CUSHING FORCEPS SEMI SHARP
DISSECTING END GUTSCH HANDLE



ADSON FORCEPS
PLAIN- 5 inch
Fine
T.C



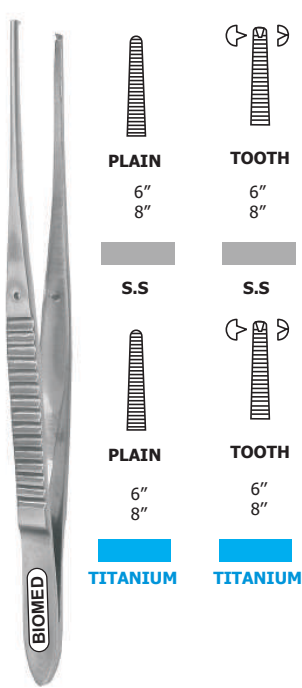
ADSON FORCEPS
PLAIN- 5 inch
Fine
TITANIUM



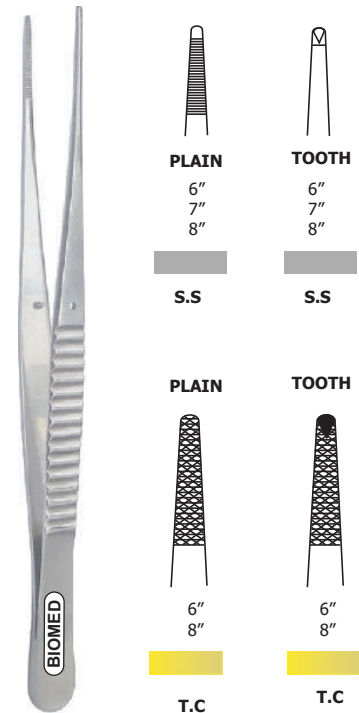
ADSON BROWN
FORCEPS 5 inch



BROWN FORCEPS
8 x 8 TEETH



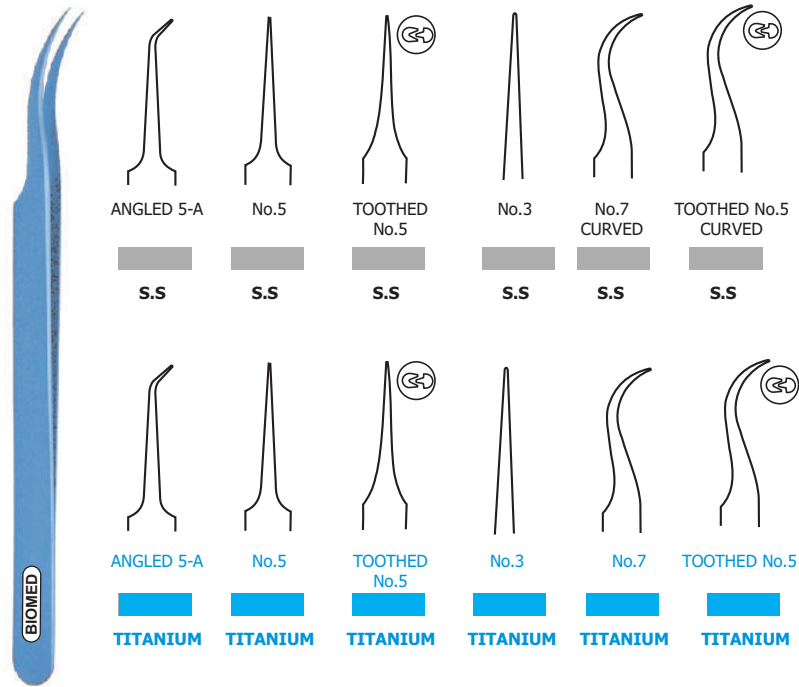
DISSECTION FORCEPS
FINE



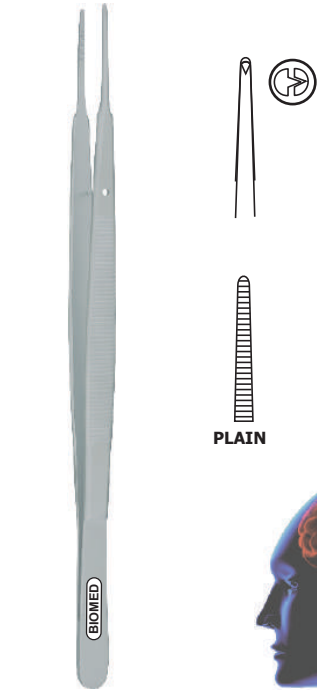
DISSECTING FORCEPS



CROW INSULATED FORCEPS
9" STRAIGHT 9" CURVED

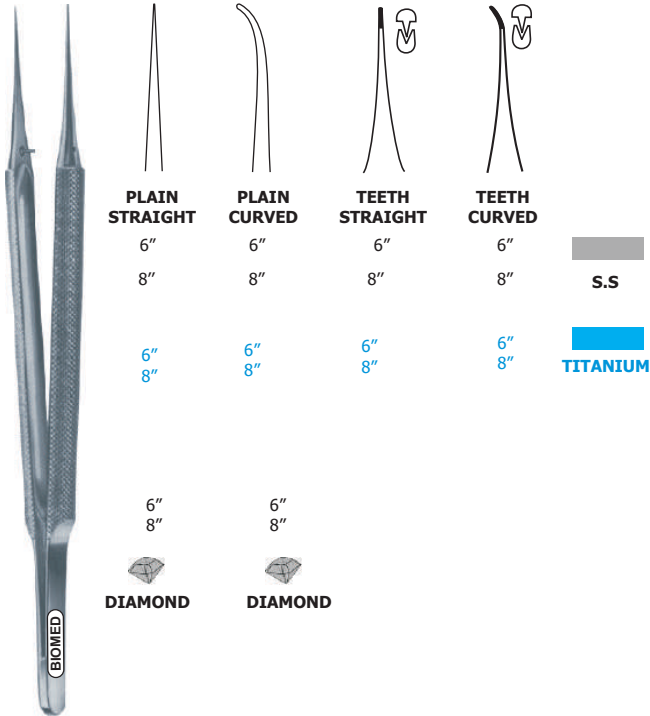


MICRO JEWELERS
FORCEPS

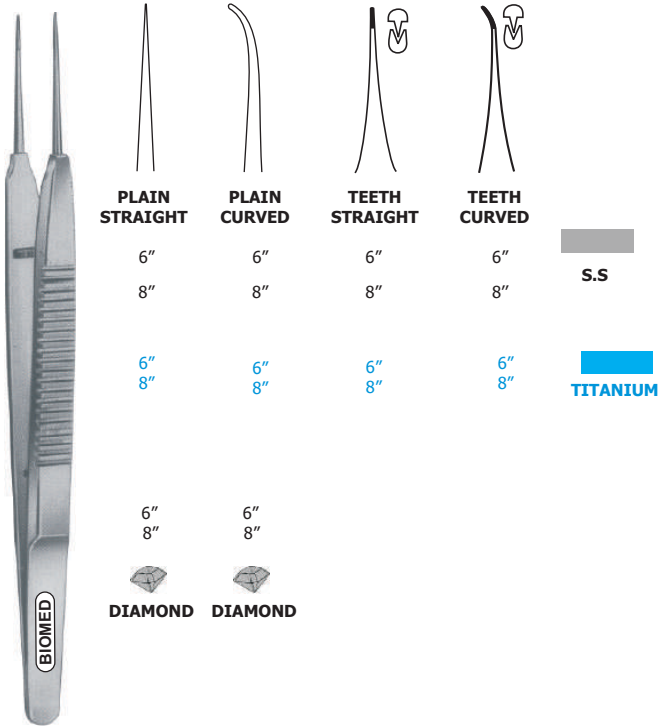


GERALD FORCEPS
STRAIGHT NARROW 7"





MICRO FORCEPS ROUND HANDLE
PLATFORM TIP



MICRO FORCEPS FLAT HANDLE
PLATFORM TIP



JANSEN BAYONET
FORCEPS PLAIN
6"
7"
8"



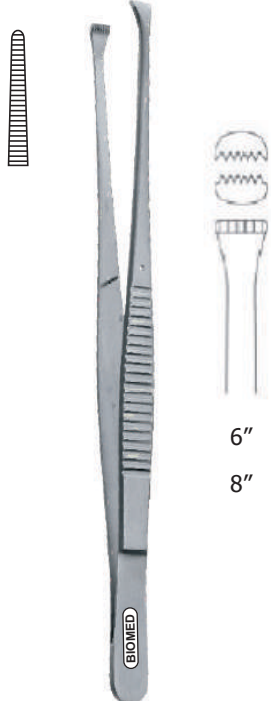
JANSEN BAYONET
FORCEPS PLAIN 6"
T.C



JANSEN BAYONET
FORCEPS 1x2 TOOTH
6"
8"



WILDE AURAL
FORCEPS



NELSON TISSUE
FORCEPS

DEBAKEY FORCEPS & CLAMPS



Biomed Healthtech (P) Ltd.



DEBAKEY VASCULAR FORCEPS



STRAIGHT

1.5 mm



S.S

6"

7"

8"

TITANIUM

6"

7"

8"



ANGLED

1.5 mm



S.S

6"

7"

8"

2 mm



S.S

6"

7"

8"



MICRO RING FORCEPS ROUND HANDLE



0.8 x 0.4mm

7"

8"

S.S

7"

8"

TITANIUM



1 x 0.5mm

7"

8"

S.S



Debakey Bulldog Clamps



Overall Length	Jaw Length
80mm	20mm
90mm	30mm
105mm	45mm
125mm	68mm

Overall Length
Jaw Length

STRAIGHT

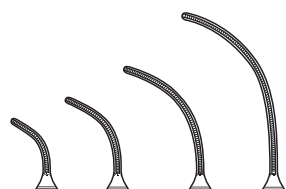


Overall Length	Jaw Length
47mm	10mm
51mm	14mm
57mm	20mm

Overall Length	Jaw Length
44mm	10mm
46mm	14mm
49mm	20mm

Overall Length
Jaw Length

CURVED



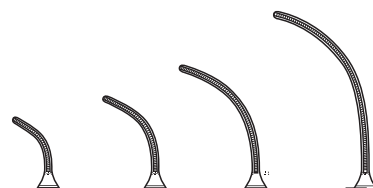
Overall Length	Jaw Length
75mm	20mm
85mm	30mm
95mm	45mm
115mm	68mm



Glover Bulldog Clamps
Closing Pressure Adjustable

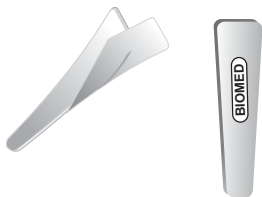


Overall Length	Jaw Length
50mm	20mm
68mm	30mm
85mm	40mm
105mm	56mm

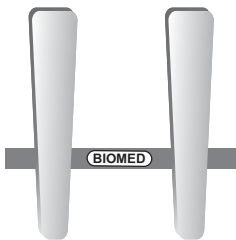


Overall Length	Jaw Length
46mm	20mm
64mm	30mm
78mm	43mm
100mm	56mm

MICRO VASCULAR CLAMPS



MICRO APPLY CLAMPS SINGLE



MICRO APPLY CLAMPS DOUBLE



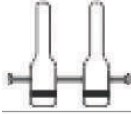
MICRO APPLY CLAMPS DOUBLE WITH FRAME

V
A



CLAMP SIZE
0.4-1.0mm

V
A



CLAMP SIZE
0.4-1.0mm

V
A



CLAMP SIZE
0.4-1.0mm

V
A



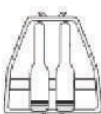
0.6-1.5mm

V
A



0.6-1.5mm

V
A



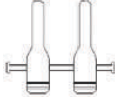
0.6-1.5mm

V
A



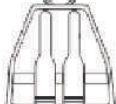
1.0-2.25mm

V
A



1.0-2.25mm

V
A



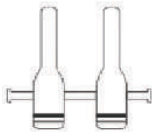
1.0-2.25mm

V
A



1.5-3.5mm

V
A



1.5-3.5mm

V
A



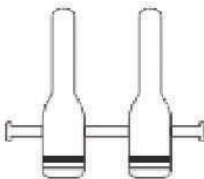
1.5-3.5mm

V
A



2.0-5.0mm

V
A

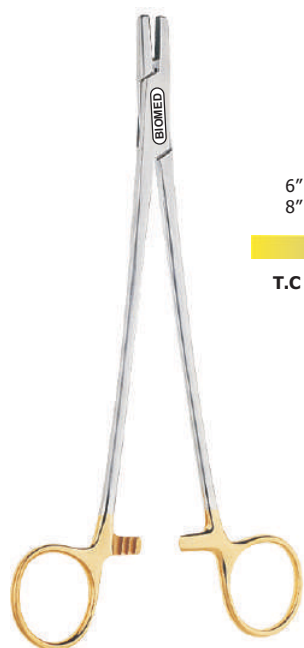


2.0-5.0mm



CLAMP APPLICATOR

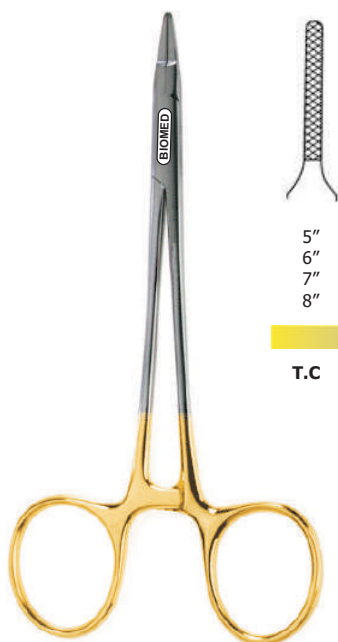




6"
8"

T.C

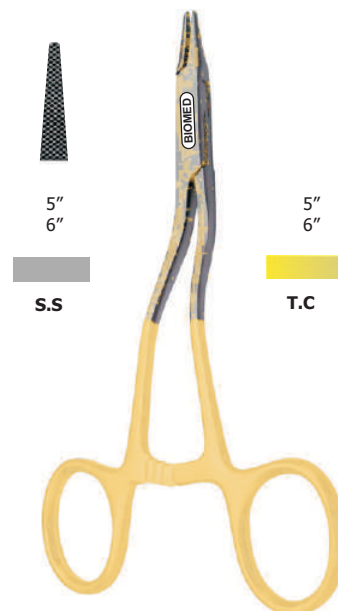
WIRE TWISTER



5"
6"
7"
8"

T.C

RYDER NEEDLE HOLDER



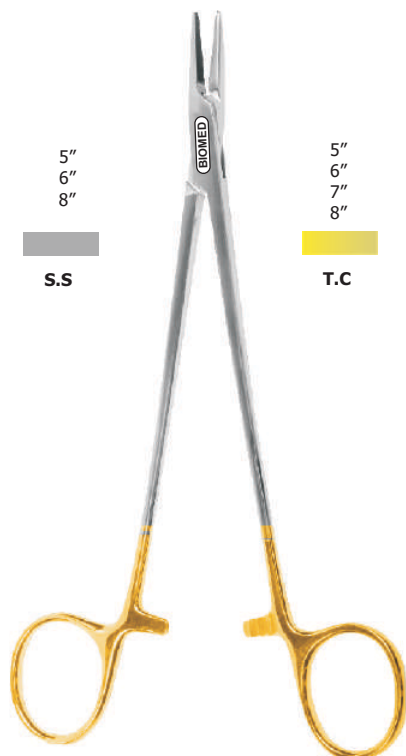
5"
6"

S.S

5"
6"

T.C

KILNER NEEDLE HOLDER



5"
6"
8"

S.S

5"
6"
7"
8"

T.C

MICRO VASCULAR NEEDLE
HOLDER



5"
6"

TITANIUM

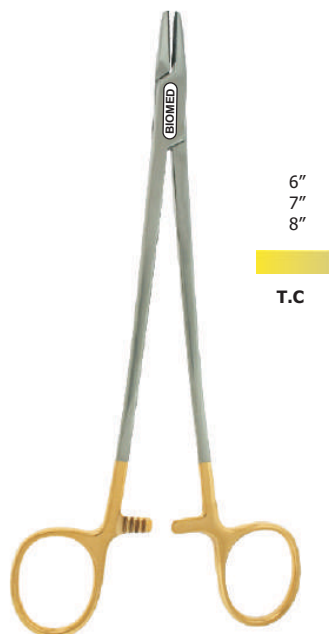
MICRO VASCULAR NEEDLE
HOLDER



S.S

T.C

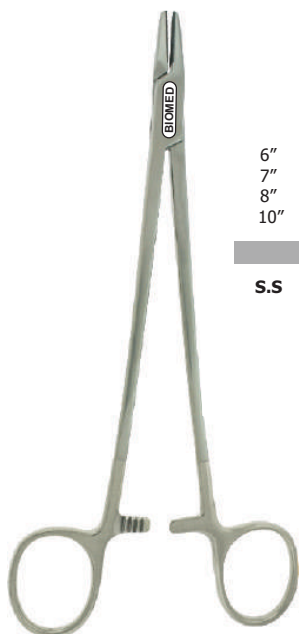
OLSEN HAGAR NEEDLE



6"
7"
8"

T.C

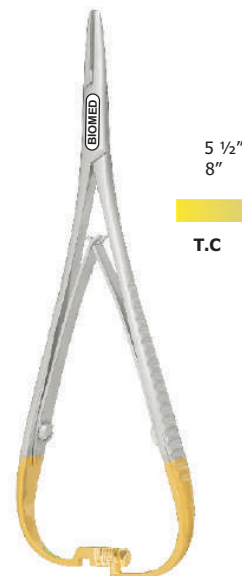
MAYO NEEDLE HOLDER



6"
7"
8"
10"

S.S

MAYO NEEDLE HOLDER



5 1/2"
8"

T.C

MATHIEU NEEDLE HOLDER

FINE MICRO SPRING NEEDLE HOLDER FLAT HANDLE



WITH OUT CATCH

	SIZE
 S.S	6"
 T.C	6"
 T.C	8"

WITH CATCH

	SIZE
 T.C	6"
 T.C	8"

NEEDLE HOLDER



Biomed Healthtech (P) Ltd.

MICRO SPRING NEEDLE HOLDER FLAT HANDLE



WITH CATCH

	SIZE
 S.S	6"
 TITANIUM	6"

	SIZE
 S.S	7"
 TITANIUM	7"

	SIZE
 S.S	8"
 TITANIUM	8"

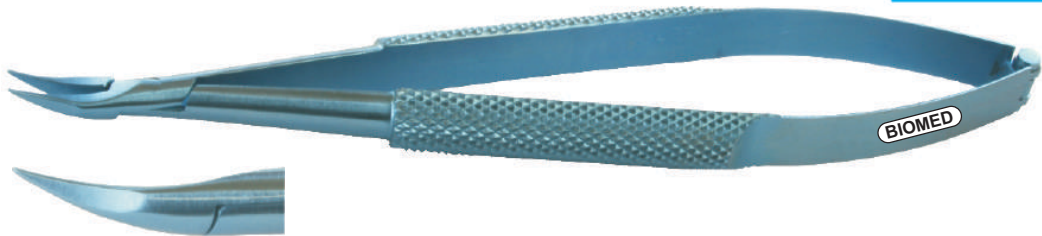
WITH OUT CATCH

	SIZE
 S.S	6"
 TITANIUM	6"

	SIZE
 S.S	7"
 TITANIUM	7"

	SIZE
 S.S	8"
 TITANIUM	8"

MICRO SPRING NEEDLE HOLDER ROUND HANDLE



WITH CATCH

	SIZE
 S.S	6"
 TITANIUM	6"

	SIZE
 S.S	7"
 TITANIUM	7"

	SIZE
 S.S	8"
 TITANIUM	8"

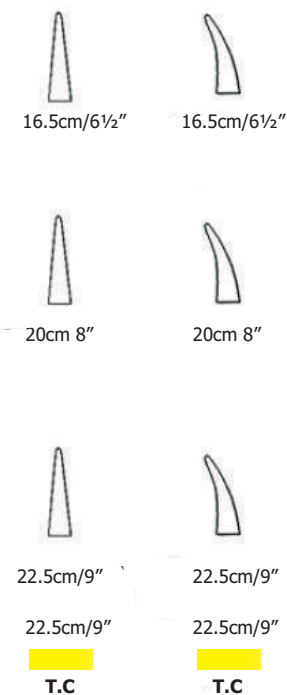
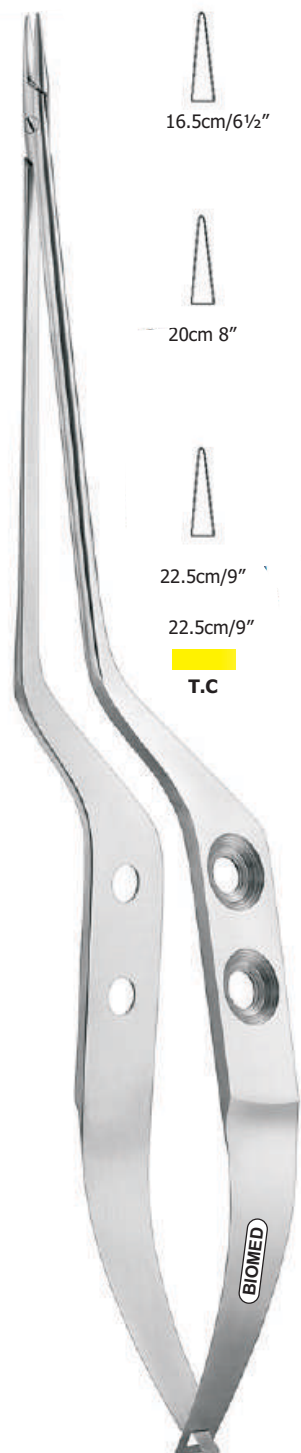
WITH OUT CATCH

	SIZE
 S.S	6"
 TITANIUM	6"

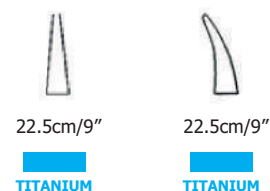
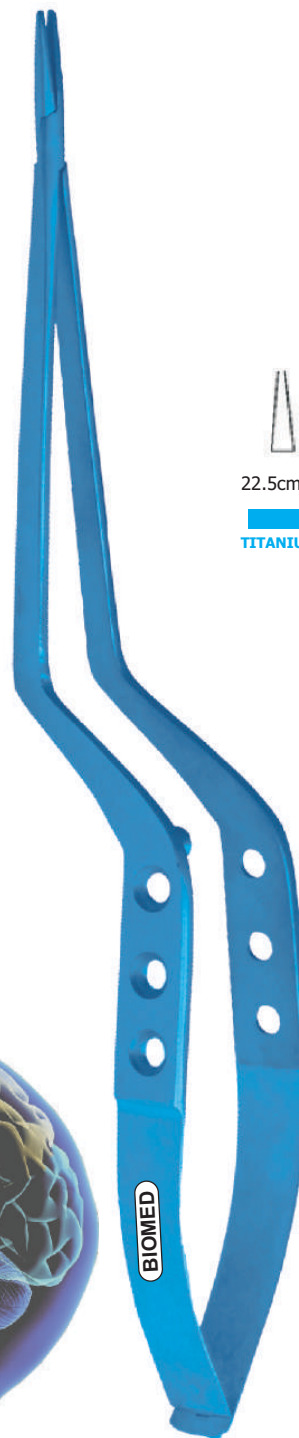
	SIZE
 S.S	7"
 TITANIUM	7"

	SIZE
 S.S	8"
 TITANIUM	8"

YASARGIL MICRO NEEDLE HOLDER BAYONET SHAPE



YASARGIL



YASARGIL

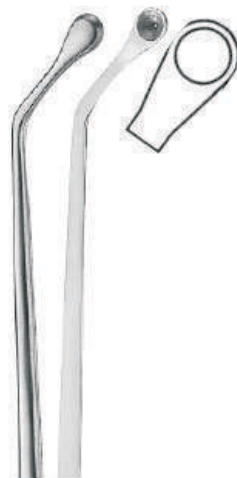
HYPOPHYSECTOMY FORCEPS



ADSON
21.5cm/8½
STRAIGHT



ADSON
21.5cm/8½
FORWARD



ADSON
21.5cm/8½
BACKWARD

0.6mm



0.6mm



MICRO FORCEPS
18.5cm 7¼"





0.3mm

0.6mm

0.9mm

1.2mm



16cm/6¼"
18cm/7"
20cm/8"
22cm/8¾"
24cm/9½"

22cm/8¾"

22cm/8¾"

24cm/9½"

20cm/8"

24cm/9½"



ANGLED

TITANIUM



DIAMOND TIP



DIAMOND TIP



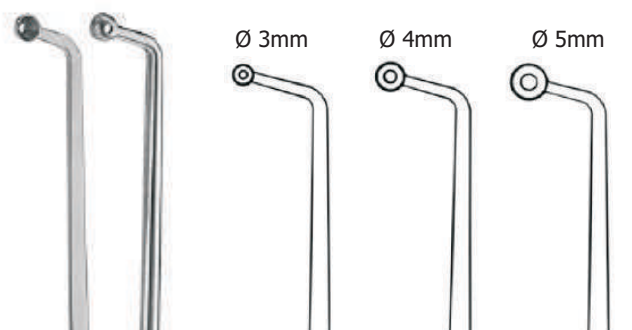
DIAMOND TIP



DIAMOND TIP

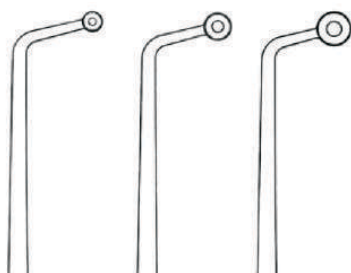


YASARGIL TUMOR HOLDING FORCEPS BAYONET SHAPE



FORWARD

Ø.3mm Ø.4mm Ø.5mm

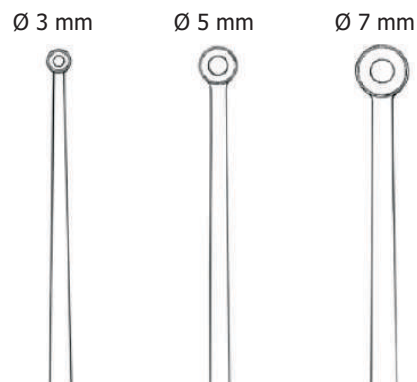


BACKWARD

JAW SPOON SHAPED



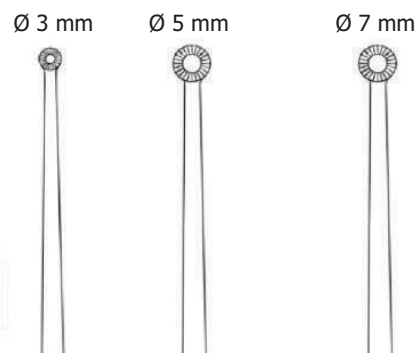
23CM/9"



JAW SPOON SHAPED

22cm/8¾"

24cm/9½"

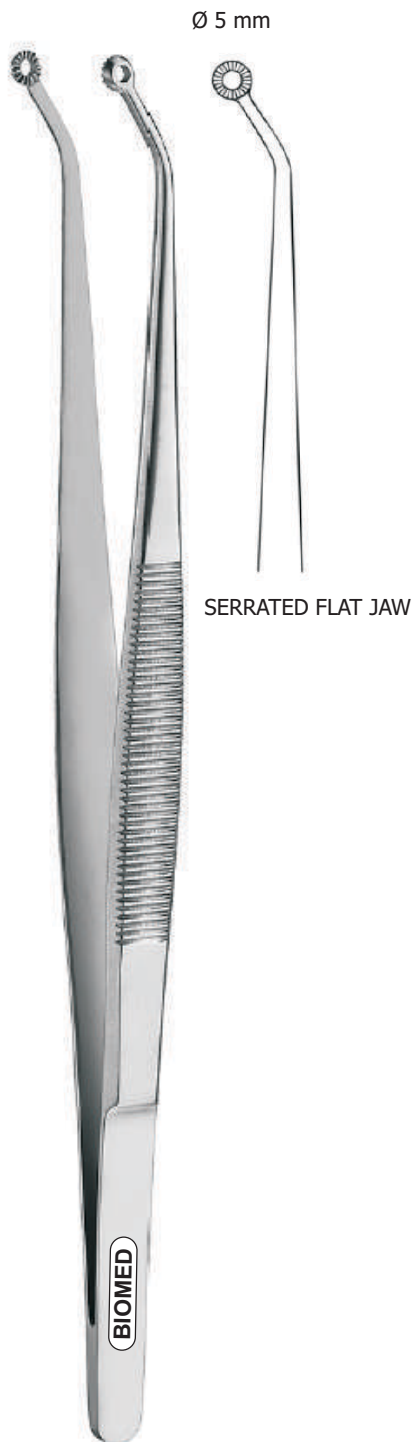


SERRATED FLAT JAW 22cm/8¾"

TOOTH CURETTE JAW- 22cm/8¾"



HUNT TUMOR HOLDING FORCEPS



20cm/8"



22cm/8 1/4"





PENFIELD DISSECTORS SET OF FIVE



NO-1

17.5cm/7"



NO-2

19.5cm/7¼"



NO-3

19.5cm/7¼"



NO-4

20.5cm/8"



NO-5

29cm/11½"

S.S

TITANIUM

TITANIUM

NERVE HOOK



CRILE NERVE HOOK BLUNT
90° ANGLED HOOK DEPTH-5mm
TIP DIAMETER-1.25mm

23cm/9"
FIG.1

TITANIUM



CUSHING
NERVE HOOK 90° ANGLED



FIG.1
HOOK
DEPTH-3mm
TIP DIA-1mm
19cm/7½"

TITANIUM

19cm/7½"



FIG.2
HOOK
DEPTH-5mm
TIP DIA-1.5mm
19cm/7½"

TITANIUM

19cm/7½"
25cm/10"



DANDAY NERVE
HOOK BLUNT
HOOK DEPTH-3mm
TIP DIA-1.5mm
23cm/9"



BLUNT
90° ANGLED

TITANIUM



BLUNT
45° ANGLED

TITANIUM



NERVE HOOK STRAIGHT
ROUND TIP MALLEABLE
TIP DIA-2mm
LENGTH-23cm/9"



DURAL HOOK



ADSON RECTANGULAR NERVE &
DURA HOOK LENGTH: 19cm/ 7½"



SHARP

TITANIUM



BLUNT

TITANIUM



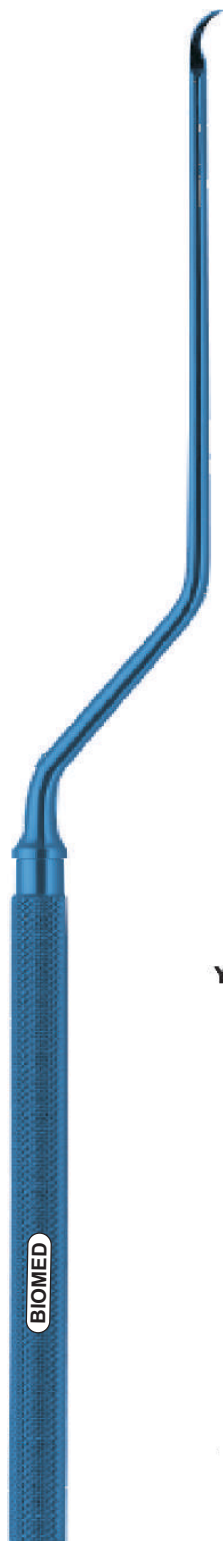
FRAZIER TYPE DURAL HOOK
LENGTH: 5½"/14cm



SHARP



BLUNT



BAYONET SHAPE
20CM/8"



UPWARDS
CURVED



UPWARDS
STRAIGHT

TITANIUM

YASARGIL SICKLE STYLE KNIFE



UPWARDS
CURVED



DOWNWARDS
CURVED

BLUNT TIP 5mm

TITANIUM

YASARGIL MICRO VESSEL KNIFE



90°
UPWARDS

BLUNT TIP 3mm

TITANIUM

TUMOR KNIFE



90°

BLUNT TIP 3mm

TITANIUM

TUMOR KNIFE



MCELVEEN KNIFE
20CM/8"





MICRO VESSEL
SKIN HOOK SHARP TIP

18,5 cm – 7¼"



JACOBSON MICRO VESSEL
ARACHNOIDS KNIFE

18,5 cm – 7¼"

TITANIUM



YASARGIL



YASARGIL
MICRO RASPATORY ANGLED

TITANIUM

18,5 cm-7¼"



YASARGIL
MICRO RASPATORY ANGLED
2.5mm

TITANIUM

18,5 cm-7¼"



YASARGIL
MICRO RASPATORY
SLIGHTLY CURVED
3.5mm

TITANIUM

18,5 cm-7¼"



YASARGIL
MICRO RASPATORY
STRONGLY CURVED
3.5mm

TITANIUM

18,5 cm-7¼"



YASARGIL



YASARGIL
MICRO RASPATORY
CURVED DOWNWARD
BAYONET

TITANIUM

18,5 cm-7¼"



YASARGIL
MICRO RASPATORY
CURVED DOWNWARD
HALF MOON BAYONET

TITANIUM

18,5 cm-7¼"



YASARGIL
MICRO RASPATORY
CURVED UPWARD
HALF MOON BAYONET

TITANIUM

18,5 cm-7¼"

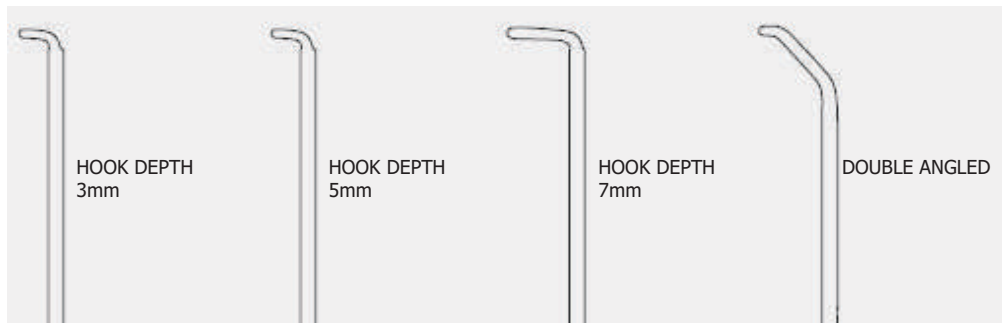


YASARGIL
MICRO SPOON SHARP
BAYONET

TITANIUM

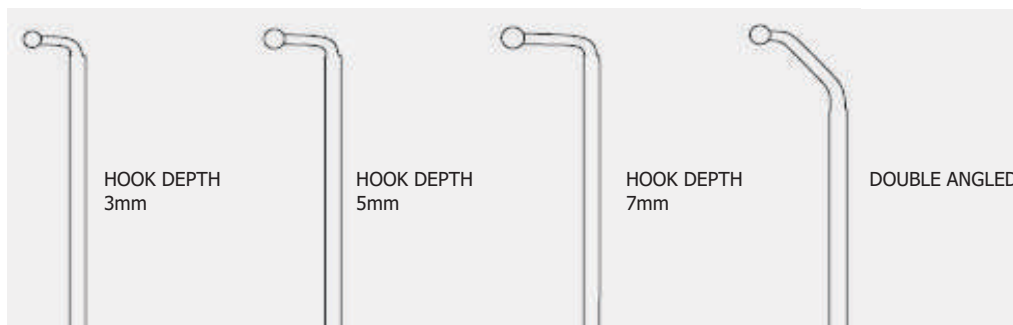
18,5 cm-7¼"

CASPAR MICRO EXPLORATION COAGULATION HOOKS



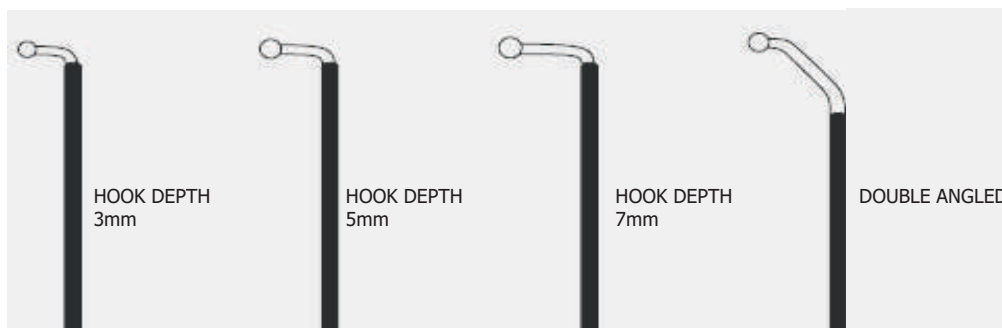
VERRUNDET ROUNDED
24,5 cm/ 9¾"

TITANIUM



BALL PROBE
24,5 cm/9¾"

TITANIUM

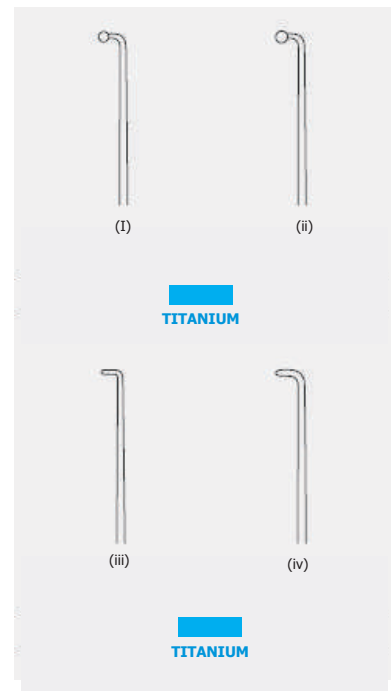


BALL TIP ,ISOLIERT INSULATED
24,5 cm/ 9¾"

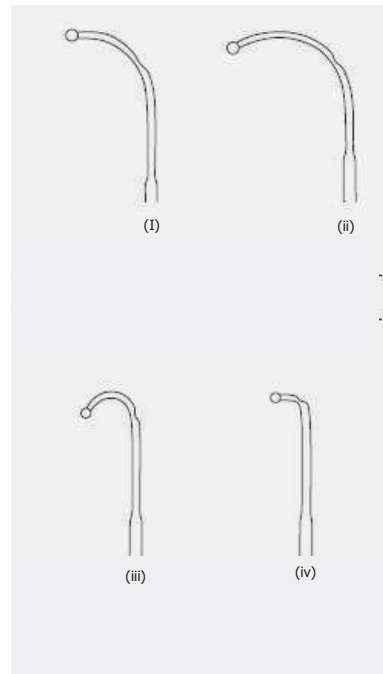
1/1

CASPAR



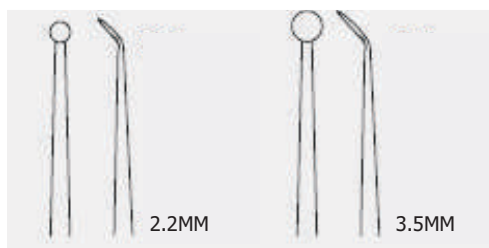


KRAYENBÜHL
NERVE & VESSEL HOOK
18.5cm/7¼"



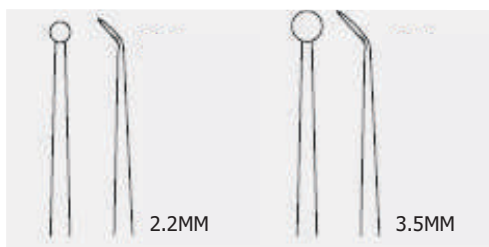
YASARGIL
LIGATURE GUIDE, PROBE POIN
19cm/7½"





MICRO RASPATORY ROUND BLADE **SHARP**
23 cm – 9"

TITANIUM



MICRO RASPATORY ROUND BLADE **BLUNT**
23 cm – 9"

TITANIUM



2mm
90°



2mm
90°

MICRO HOOKS **BLUNT** MICRO HOOKS **SHARP**
23CM – 9" 23CM – 9"

TITANIUM



SHARP

TITANIUM



BLUNT

TITANIUM



MICRO RASPATORY
BAYONET UPWARD CURVED
ROUND BLADE 23CM/9"



VESSEL DILATOR BALL TIP
MALLEABLE IN **BLACK COATED**
19,0 cm – 7½"

0.5MM
1.0MM
1.5MM



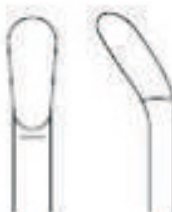
1.0MM



1.5MM



2.0MM



2.5MM



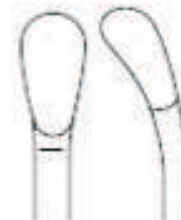
3.0MM



3.5MM



4.0MM



4.5MM



5.0MM

SAMII KNIFE FOR TUMOR TISSUE
23CM cm – 9"



CURVED

1mm

1.5mm

SHARP
2mm

SHARP
3.5mm

SHARP
4.5mm

18,5 cm – 7¼"

20,0 cm – 8"

23,0 cm – 9"

1mm

1.5mm

SHARP
2mm

SHARP
3.5mm

SHARP
4.5mm

18,5 cm – 7¼"

20,0 cm – 8"

23,0 cm – 9"



1 mm

MALLEABLE
23,0 cm – 9"

1mm

1.5mm



3mm

3mm

18.5cm
21.5cm

18.5cm
21.5cm

1/1

MICRO DISSECTOR



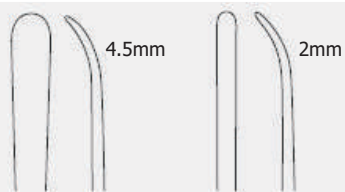
MICRO SPOON 2.5MM

24,0 cm – 9½"

24,0 cm – 9½"



YASARGIL MICRO SPOON
BAYONET SHAPE



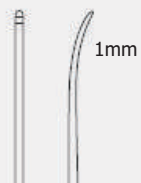
CURVED DOWN BLUNT

23 cm – 9"

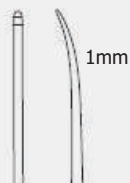


CURVED UP BLUNT

23 cm – 9"

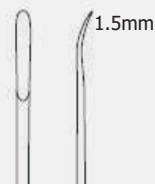


CURVED
UP



CURVED
DOWN

21 cm – 8 3/4"

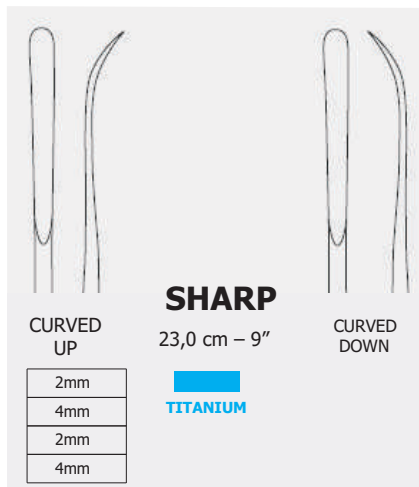


CURVED
UP



CURVED
DOWN

23 cm – 9"



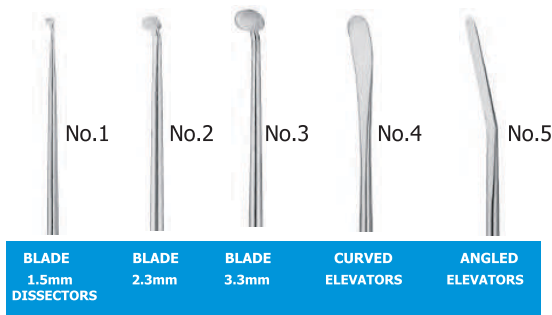
MICRO SUTURE PUSHER



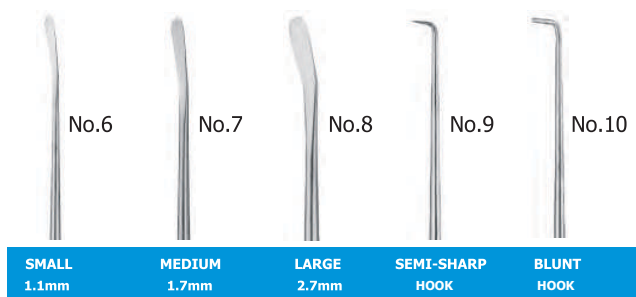
RHOTON SET



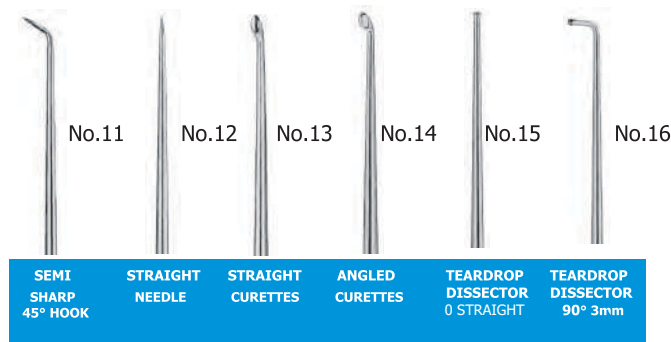
STAINLESS STEEL
TITANIUM



STAINLESS STEEL
TITANIUM



STAINLESS STEEL
TITANIUM



STAINLESS STEEL
TITANIUM



RHOTON TYPE
DISSECTORS
7½"





1/1



3MM

STRAIGHT-

TOTAL LENGTH- 203MM
WORKING LENGTH-98MM


TITANIUM

STRAIGHT-

TOTAL LENGTH- 220MM
WORKING LENGTH-115MM


TITANIUM

STRAIGHT

MALLEABLE SHAFT

TOTAL LENGTH- 203MM
WORKING LENGTH-98MM

ANGLED 15 DEGREE-

TOTAL LENGTH- 203MM
WORKING LENGTH-98MM


TITANIUM

ANGLED 45 DEGREE-

TOTAL LENGTH- 203MM
WORKING LENGTH-98MM


TITANIUM

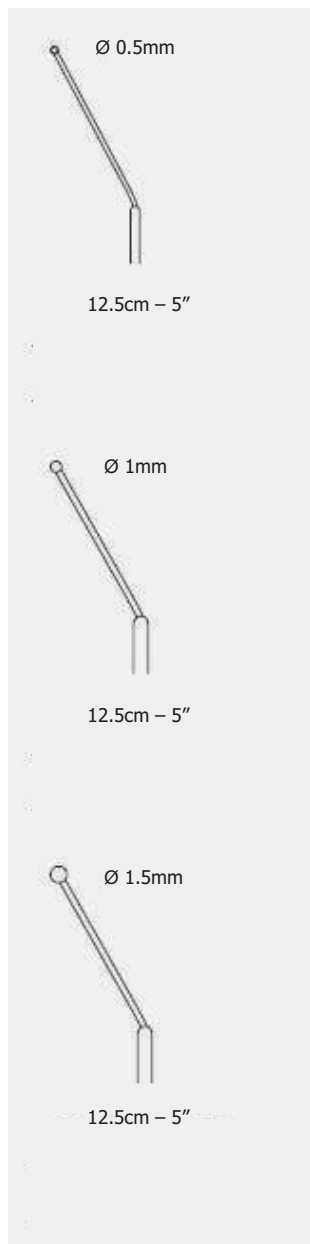
ANGLED 90 DEGREE-

TOTAL LENGTH- 203MM
WORKING LENGTH-98MM


TITANIUM



VESSEL DILATOR



VESSEL SPREADER

16,0 cm – 6¼"

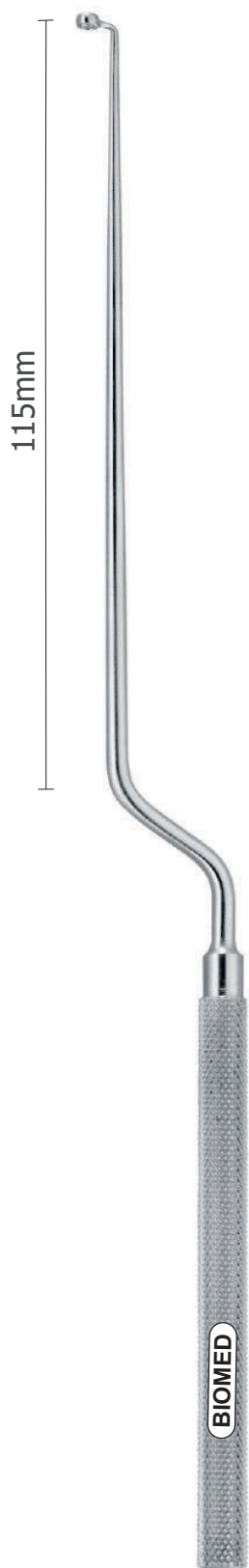
BIMERL



JACOBSEN



HARDY RING CURETTES



24,0 cm – 9½"



ø 2.5mm
90°

ø 4mm
90°

ø 5mm
90°

ø 2.5mm
90°

ø 4mm
90°

ø 5mm
90°

UP
DOWN
RIGHT
LEFT



TITANIUM

UP
DOWN
RIGHT
LEFT



TITANIUM

ø 5mm

ø 5mm

TITANIUM



HORIZONTAL

VERTICAL

RAY CURETTE
18.0cm 7"



140mm

6mm

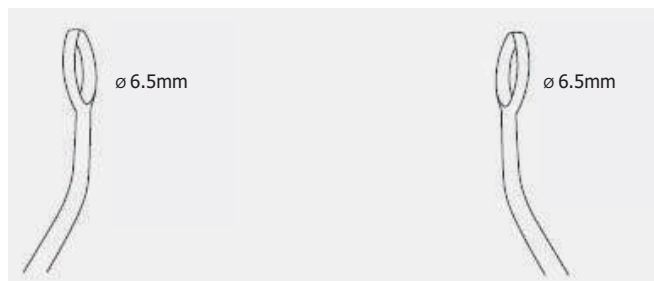
4mm

HARDY CURETTE MALLEABLE
26,0 cm – 10¼"





NICOLA CURETTE
MALLEABLE 21.5CM/8½"

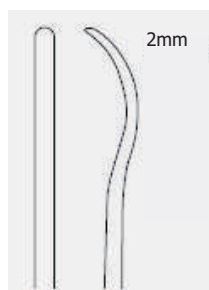


CURVED to THE RIGHT

CURVED to THE LEFT



ANGLED UP



RASPATORY
21,5 cm – 8½"





24 cm – 9½"



LEFT



RIGHT

HARDY ENUCLEATOR
BLUNT BAYONET 24.5CM



LEFT



RIGHT

HARDY DISSECTOR
SHARP INNER EDGE
BAYONET 24.5CM



LEFT



RIGHT

HARDY FAHLBUSCH DISSECTOR
SHARP INNER EDGE BAYONET 24CM



HARDY



IMPLANT
FORK



26cm/10¼"



LEFT



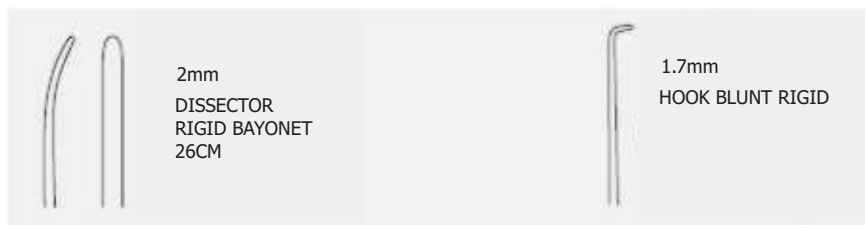
RIGHT

LANDOLT ENUCLEATOR
BLUNT MALLEABLE 26CM



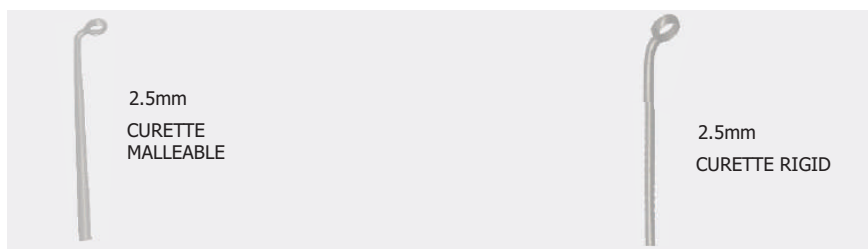


26cm-10¼"



LANDOLT REULEN

LANDOLT REULEN



FAHLBUSCH

LANDOLT REULEN



FAHLBUSCH



LANDOLT REULEN
RASPATORIES, RIGID
BAYONET 26CM

LANDOLT REULEN
RASPATORIES, RIGID
BAYONET 26CM



SHAFT Ø 0,9mm



19,0 cm – 7½"

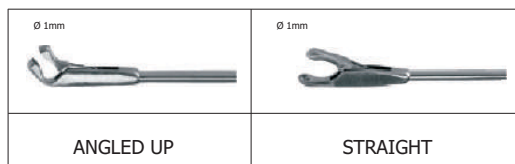
MICRO SCISSORS



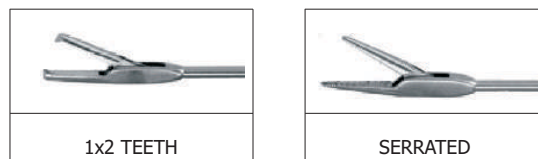
MICRO FORCEPS



MICRO CUP FORCEPS



MICRO FORCEPS



MICRO SUCTION CANNULA

ATRAUMATIC & RIGID SUCTION CANNULA
WITH KEY HOLE

WORKING LENGTH
140mm



1.4mm **4 FR** 2.0mm **6 FR** 2.7mm **8 FR 1**

THE BALL TIP AT THE END OF
THE INSTRUMENT ALLOWS
GENTLE PREPARATION & STABLE
ATRAUMATIC RETRACTION.

SUCTION CANNULAS Rotatable with key hole

	S	M	L
Working LENGTH	90 mm	110 mm	150 mm



- 1.5mm
- 2.0mm
- 3.0mm
- 4.0mm
- 5.0mm

THE BALL TIP AT THE END OF
THE INSTRUMENT ALLOWS
GENTLE PREPARATION & STABLE
ATRAUMATIC RETRACTION.

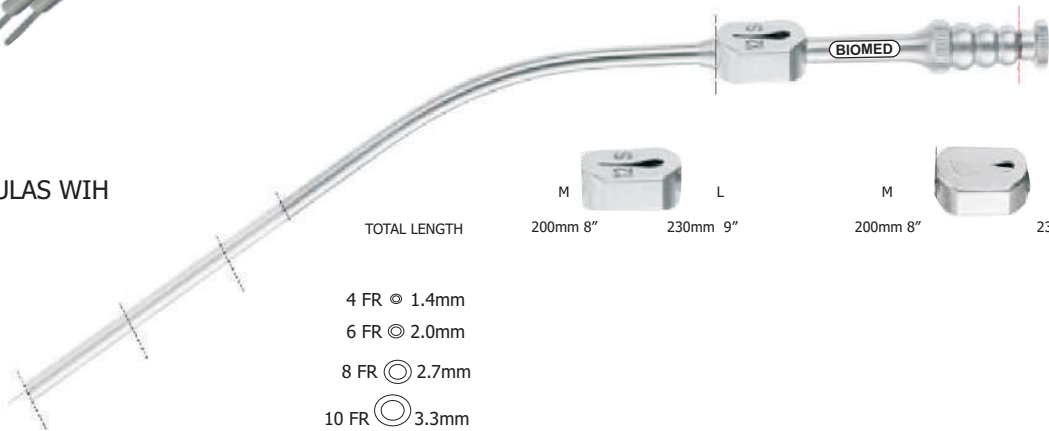


SUCTION CANNULAS WITH IRRIGATION
KEY HOLE
(Special design for skull base surgery)



SIZE
5X4 MM
4X3MM
3X2MM
2X1MM

SUCTION CANNULAS WITH
KEY HOLE



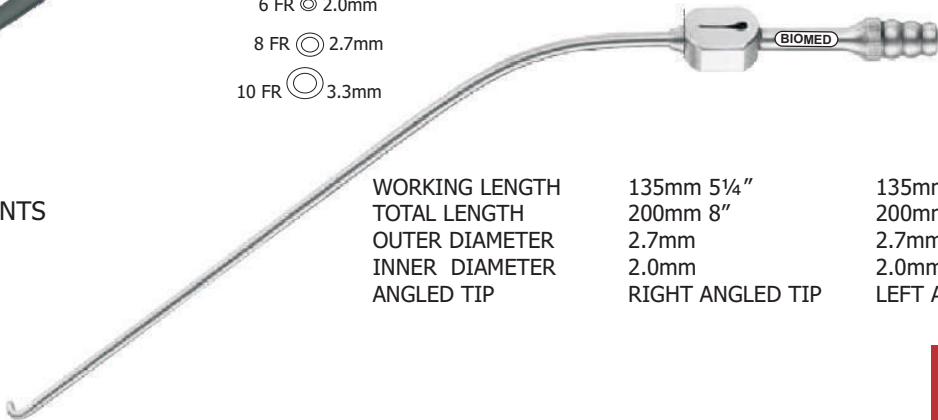
4 FR $\odot$ 1.4mm
6 FR $\odot$ 2.0mm
8 FR $\odot$ 2.7mm
10 FR $\odot$ 3.3mm
12 FR $\odot$ 4.0mm

SUCTION CANNULAS WITH
KEY HOLE, BALL ENDED **BLACK COATED**



4 FR $\odot$ 1.4mm
6 FR $\odot$ 2.0mm
8 FR $\odot$ 2.7mm
10 FR $\odot$ 3.3mm

SUCTION CANNULAS
CURVED SUCTION INSTRUMENTS



WORKING LENGTH	135mm 5¼"	135mm 5¼"
TOTAL LENGTH	200mm 8"	200mm 8"
OUTER DIAMETER	2.7mm	2.7mm
INNER DIAMETER	2.0mm	2.0mm
ANGLED TIP	RIGHT ANGLED TIP	LEFT ANGLED TIP



SIZE
2.0 MM
2.7 MM
3.3 MM
4.0 MM

FRAZIER SUCTION
TUBES,BALL END 8"



SIZE
2.5 MM
3.5 MM
4.5 MM

MONOPOLAR
SUCTION TUBE 8"



SIZE
1.4X0.9
1.5X1.2
2.3X1.7
3.3X2.3
4.5X2.0

SUCTION
IRRIGATION TUBE
WITH CHANNEL, 7"



ZOLLNER SUCTION
TUBES WITH 4 DETACHABLE TIPS



SIZE
3 FR
5 FR
7 FR
9 FR
12 FR

BARRON SUCTION
TUBE



2119
CABLE



SIZE
12
14
16
18
20
21
22
23
24

DETACHABLE
VERHOEVEN SUCTION
TUBES



VERHOEVEN
SUCTION
TUBES ADAPTOR



BRAIN CANNULA SHARP OPEN
END WITH BLUNT OBTURATOR

1.5mmx9cm
2.0mmx9cm
2.5mmx9cm



BRAIN CANNULA WITH 2 HOLES
CLOSE END

1.5mmx9cm
2.0mmx9cm
2.5mmx9cm



BRAIN CANNULA WITH 1 HOLES
CLOSE END

1.5mmx9cm
2.0mmx9cm
2.5mmx9cm

INSTRUMENTS SET FOR BURR HOLE



BURRS & PERFORATORS

N-10016 CEREBELLAR EXTENSION
N-10017 HUDSON BRACE

CONICAL BURR

SIZE
9 mm
11mm
13mm
14mm
16mm
18mm

SPHERICAL BURR

SIZE
11mm
13mm
16mm
18mm

PERFORATOR BURR

SIZE
10mm
12mm
15mm
17mm
20mm

MCKENZIE SKULL PERFORATOR DRILL

SIZE
13mm

SPHERICAL BURR WITH DURA GUARD

22mm



LARGE PATTEM



CRUTCHFIELD

MEDIUM PATTEM



SPARE PIN



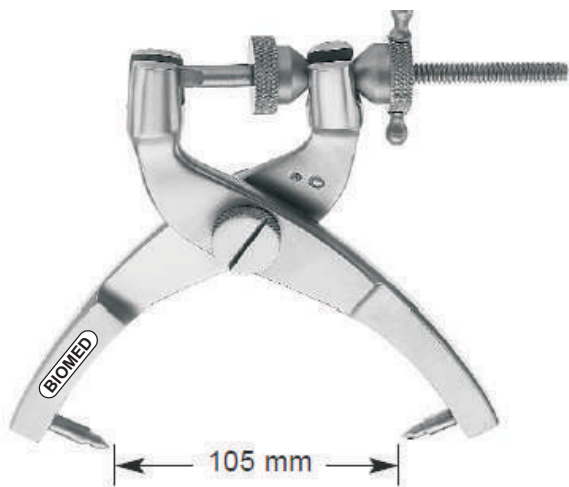
CRUTCHFIELD
GUARDED DRILL

7cm/2¾"
Ø 3.5mm
DRILL POINT

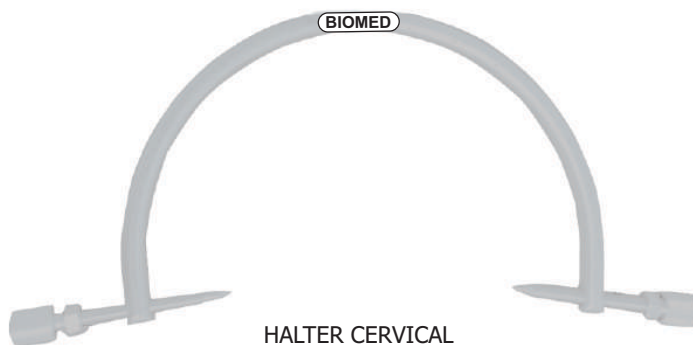


CRUTCHFIELD
GUARDED DRILL

7cm/2¾"
Ø 5mm
DRILL POINT



CRUTCHFIELD
SMALL PATTEM



HALTER CERVICAL
TRACTION CLAMP



RANEY SCALP HEMOSTASIS CLIPS
(DISPOSABLES)



15.5cm 6 1/4"

APPLYING and REMOVING FORCEPS
SCALP HEMOSTASIS CLIPS



HEMOLIGATING CLIP APPLIER

SMALL-100
MEDIUM-200
LARGE-300



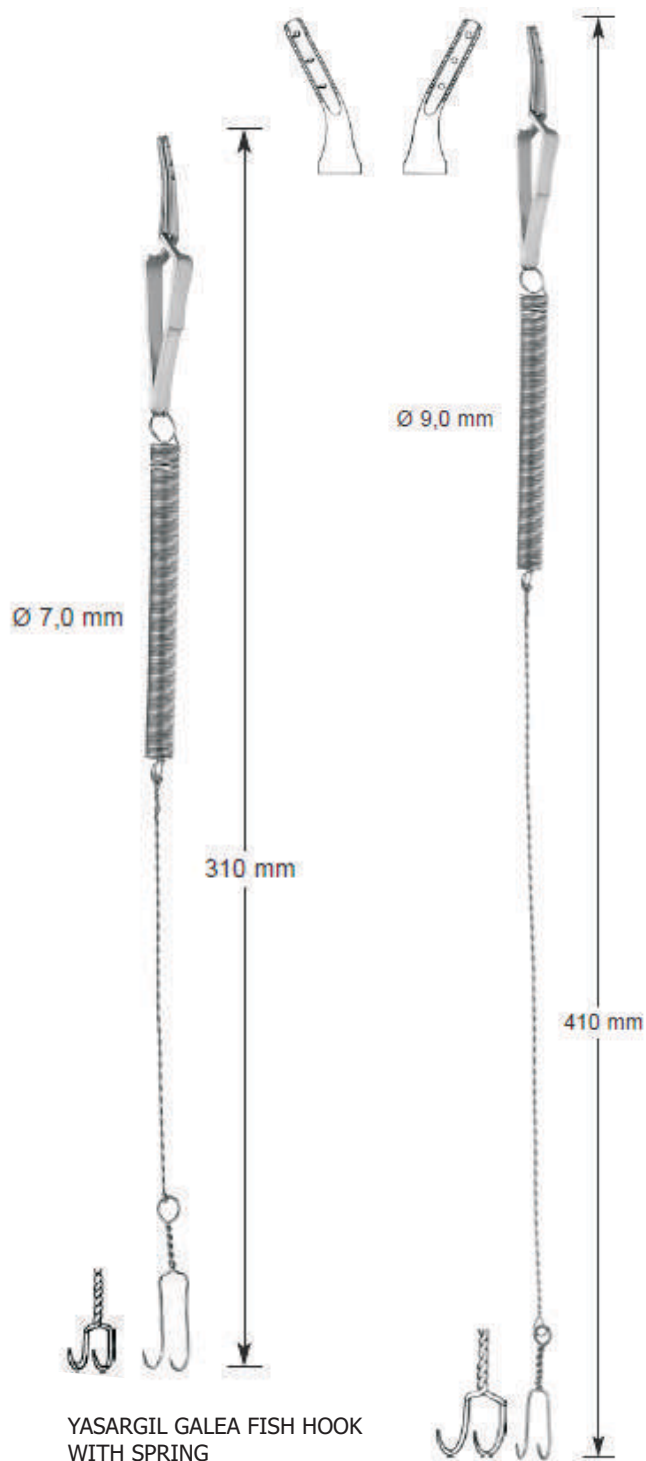
23cm/9"

CONE SKULL PUNCH
FOR SKULL THICKNESS UP to 12mm



20.5cm/8"

BURR HOLE PROTECTION FORCEPS



YASARGIL GALEA FISH HOOK
WITH SPRING

31cm/12¼"

YASARGIL GALEA FISH HOOK
WITH SPRING

41cm/16"



PERITONEAL SHUNT TROCAR
WITH OBUTURATOR
3MM AND SHEATH 4MM
LENGTH 6"



SHUNT TUNNELLER

14"
18"
24"

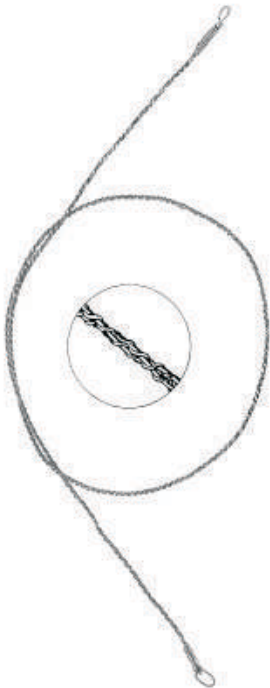


GIGLE SAW GUIDE
33cm/13" ADULT
26cm/10½" PADETRIC



GIGLI SAW HANDLE
7368

1 PAIR



GIGLI SAW WIRE

25cm/10"
30cm/12"
40cm/16"

50cm/20"
60cm/24"
70cm/28"



CAIRNS SKULL FLAP
ELEVATOR



SCOVILLE TREPHINE
WITH ADJUSTABLE PIN

TREPHINE 1.0"
TREPHINE 1.5"
TREPHINE 1.75"
TREPHINE 2.0
TREPHINE 2.25"
TREPHINE 2.5"
TREPHINE 3



DINGMAN MOUTH GAG
WITH 3 TONGUE PLATES

DINGMAN MOUTH GAG
WITH 3 TONGUE PLATES
Fiber Optic carrier



K-WIRE
INTRODUCER



K-WIRE 6"

- | | |
|----------|----------|
| Ø 0,8 mm | Ø 1,6 mm |
| Ø 0,9 mm | Ø 1,7 mm |
| Ø 1,0 mm | Ø 1,8 mm |
| Ø 1,1 mm | Ø 1,9 mm |
| Ø 1,2 mm | Ø 2,0 mm |
| Ø 1,3 mm | Ø 2,2 mm |
| Ø 1,4 mm | Ø 2,5 mm |
| Ø 1,5 mm | Ø 3,0 mm |



MICRO
BONE DRILL



UNIVERSAL
HAND DRILL

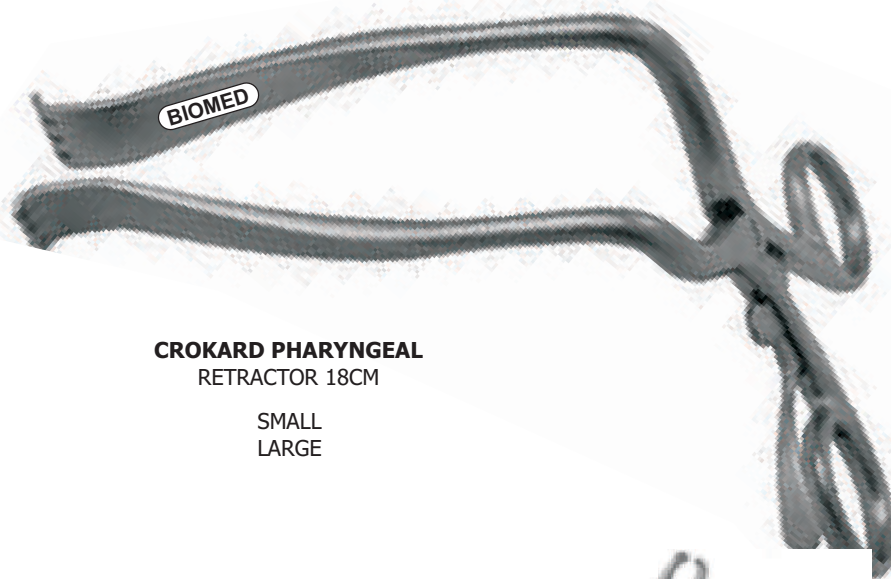


DRILL BIT

- | | |
|-----|-----|
| 1.5 | 3.5 |
| 2.0 | 4.0 |
| 2.5 | 4.5 |
| 3.0 | 5.0 |



TRANSORAL INSTRUMENTS



CROKARD PHARYNGEAL
RETRACTOR 18CM

SMALL
LARGE



CROKARD LIGAMENT
GRASPING TOOTH FORCEPS, 25CM



CROKARD BAYONET
MICRO DISSECTOR, 25CM



CROKARD ODONTOID
PEG GRASPING FORCEPS, 23CM



B.P. Handle 3
LONG HANDLE
B.P. Handle 3



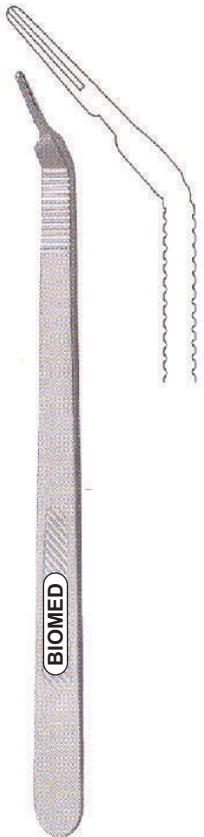
B.P. Handle 4
LONG HANDLE
B.P. Handle 4



B.P. Handle 7



ROUND. Handle 3



B.P. Handle Curved



VERTICAL CUTTING
HORIZONTAL CUTTING
VERTICAL CUTTING



ROUND HANDLE



No.10



No.11



No.12



No.15



No.21



No.23



Liston



14 cm – 5½?



17 cm – 6¾?



20 cm – 8?



22 cm – 8¾?



14 cm – 5½?



17 cm – 6¾?



20 cm – 8?



22 cm – 8¾?



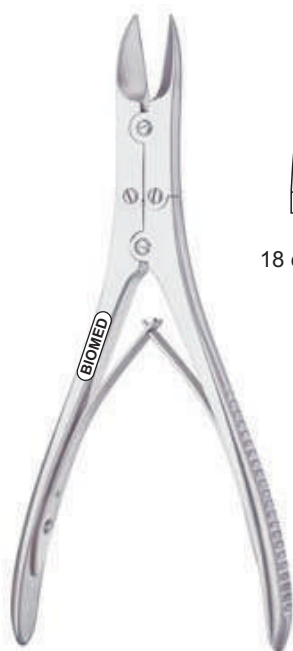
Liston-mini



15 cm – 6?



15 cm – 6?



Ruskin-Rowland



18 cm – 7½?



18 cm – 7½?



McIndoe



18 cm – 7½?



18 cm – 7½?





Liston-Stille



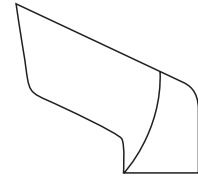
28 cm – 11?



28 cm – 11?



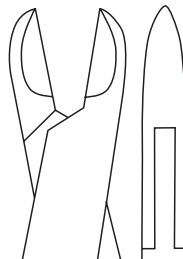
Liston-Key



26 cm – 10 1/4?



WIRE CUTTER



12 cm – 4 3/4?



T.C





27 cm – 10½"

T.C

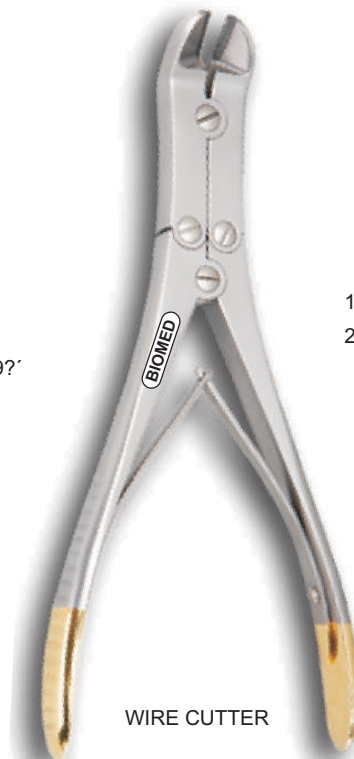
TOP CUTTER



23 cm – 9"

T.C

TC WIRE CUTTER



19 cm – 7½"

23 cm – 9"

T.C

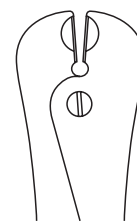
WIRE CUTTER



DE VIBISS SKULL PUNCH



RIB SHEARS



17.5 cm – 7"

WIRE CUTTING PLIER



19.5 cm
25 cm
BIPOLAR COAGULATION
FORCEPS BAYONET TYPE
NON STICK



19.5 cm
BIPOLAR COAGULATION
FORCEPS BAYONET TYPE
WITH TWO PINS
NON STICK



19.5 cm
BIPOLAR COAGULATION
FORCEPS BAYONET TYPE
WITH SUCTION
NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS (ST.)
NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS (ST.)
WITH TWO PINS
NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
WITH TWO PINS
NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
BAYONET NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
WITH SUCTION
BAYONET NON STICK



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
WITH TWO PINS
BAYONET NON STICK



16 cm
19.5 cm
25 cm
BIPOLAR COAGULATION
FORCEPS BAYONET TYPE



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS BAYONET TYPE
WITH TWO PINS



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS BAYONET TYPE
WITH SUCTION



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS (ST.)



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS (ST.)
WITH TWO PINS



ANGLED BIPOLAR
FORCEPS



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
WITH TWO PINS



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
BAYONET



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
WITH SUCTION
BAYONET



16 cm
19.5 cm
BIPOLAR COAGULATION
FORCEPS CURVED
WITH TWO PINS
BAYONET



CABLE



BIPOLAR CABLE FLAT PIN



BIPOLAR CABLE TWO PIN



11cm

14cm

ADSON FORCEPS
11cm,14cm



McPHERSON STRAIGHT
FORCEPS 8cm



McPHERSON CURVED
FORCEPS 9cm



JEWELER
FORCEPS 11cm



BIPOLAR FORCEPS
10cm



14cm

ADSON FORCEPS
11cm ,Tip-0.4mm
NON STICK



McPHERSON STRAIGHT
FORCEPS 8cm **Tip-0.4mm**
NON STICK



McPHERSON CURVED
FORCEPS 9cm **Tip-0.4mm**
NON STICK



JEWELER
FORCEPS 11cm **Tip-0.4mm**
NON STICK

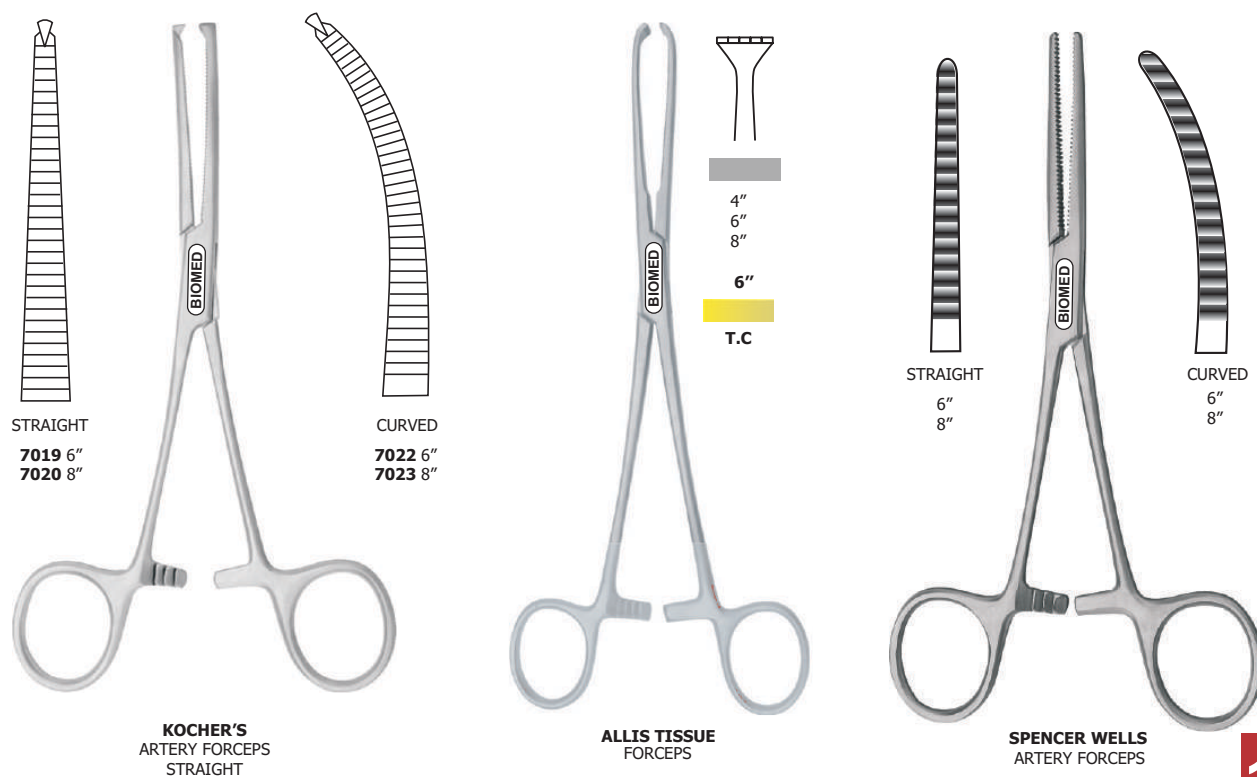
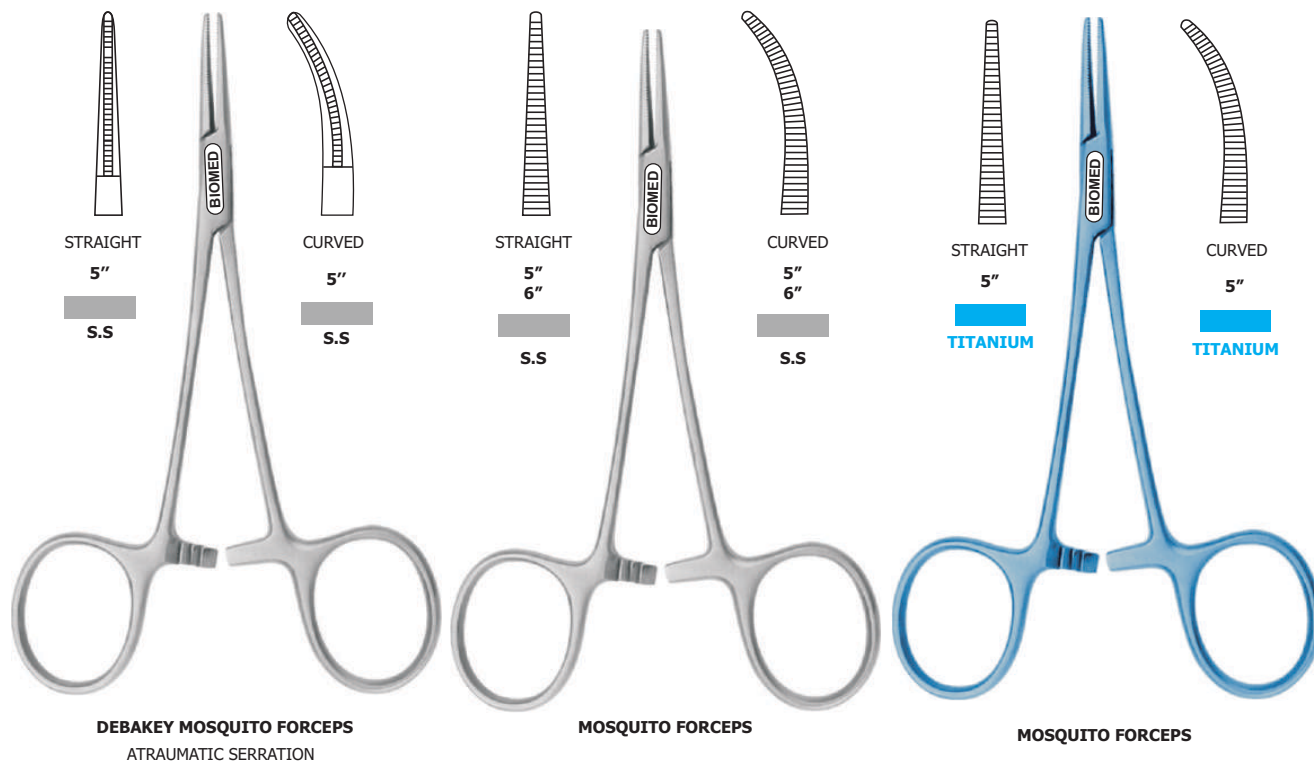


BIPOLAR FORCEPS
Tip-0.4mm 10cm
NON STICK

GENERAL FORCEPS



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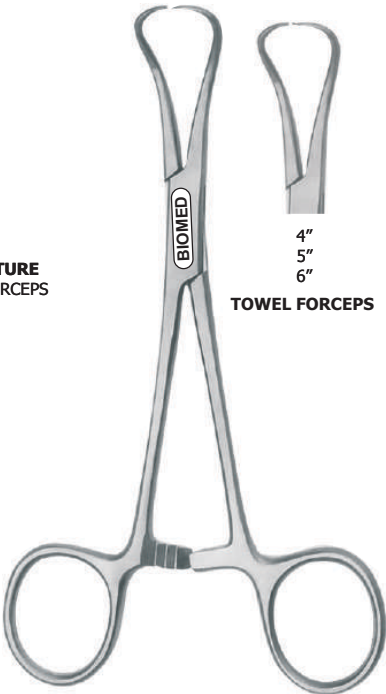




DANDY SCALP HEMOSTATIC FORCEPS
CURVED ON SIDE SERRATED 14CM



MIXTURE LIGATURE
RIGHT ANGLED FORCEPS



TOWEL FORCEPS



TOWEL CLIP
CROSS ACTION



SPONGE
HOLDING FORCEPS
8"
10"



CHEATTLE
JAR



CHEATTLE
FORCEPS
10"



**FIBER OPTIC
HEAD LIGHT BAND**



**LED LIGHTS HEADBAND
WITH REACHABLE BATTERY 5 V**



**HALOGEN
FIBER OPTIC COLD LIGHT SOURCE
DOUBLE POINT 24V-250 W**



**HALOGEN
FIBER OPTIC COLD LIGHT SOURCE
SINGLE POINT 15 V-150 W**



FIBER OPTIC CABLE
3.5mm LENGTH 230cm
4.5mm LENGTH 230cm



**ULTRA COMPACT MINI
XENON LIGHT SOURCE 300W**



LED LIGHTS SOURCE





SURGICAL TRAY WITH LID
HEAVY STAINLESS STEEL

6" x 9"
7" x 11"
8" x 10"
10" x 12"
12" x 15"

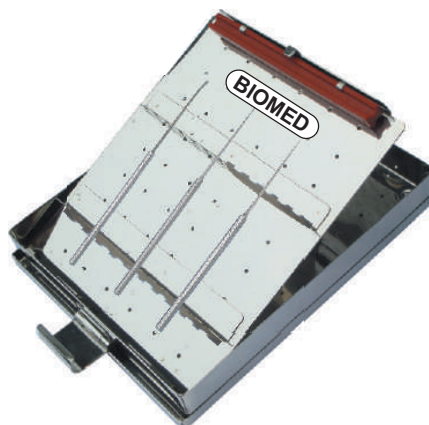


DRESSING DRUMS
SEAMLESS STAINLESS STEEL

6" x 6"
9" x 9"
9" x 11"



MEASURING BOWL



MICRO INSTRUMENT POINTS

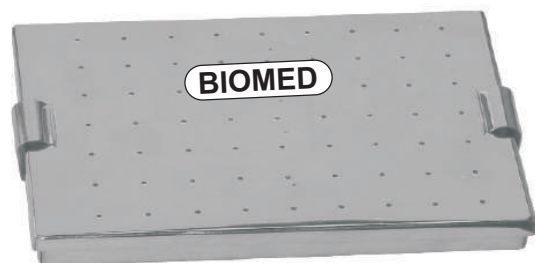


BOWL
STAINLESS STEEL

3"
4"
5"
6"
8"

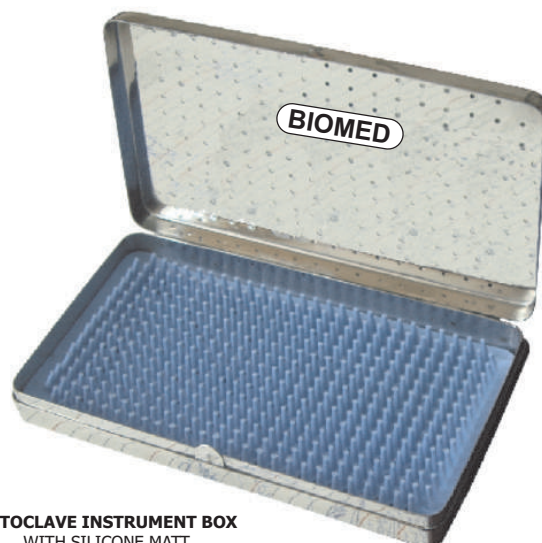


KIDNEY TRAY
8"
10"



**INSTRUMENTS STERILIZING
PERFORATOR BOX**
STAINLESS STEEL

8" x 4" x 2"
11" x 7" x 2"
12" x 10" x 3"
14" x 10" x 2"



AUTOClave INSTRUMENT BOX
WITH SILICONE MATT
STAINLESS STEEL

8" x 4" x 1"
9" x 8" x 1"
14" x 8" x 1"





Biomed Healthtech

☎ +91 9901158197 | +91 9740069305

✉ info@biomedhealthtech.com

🌐 www.biomedhealthtech.com

📍 Mumbai | Bangalore | U.S.A | U.K | U.A.E