



KERRISON PUNCH 40 DEGREE UP 18 CM – 7” SHAFT

KERRISON PUNCH 40 DEGREE DOWN 18 CM – 7” SHAFT



UP 40 DEGREE

Size	Art No
1 MM TIP	22-01-01
2 MM TIP	22-01-02
3 MM TIP	22-01-03
4 MM TIP	22-01-04
5 MM TIP	22-01-05



DOWN 40 DEGREE

Size	Art No
1 MM TIP	22-02-01
2 MM TIP	22-02-02
3 MM TIP	22-02-03
4 MM TIP	22-02-04
5 MM TIP	22-02-05

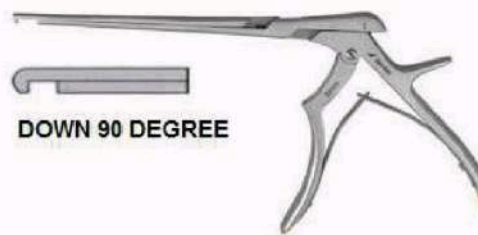
KERRISON PUNCH 90 DEGREE UP 18 CM – 7” SHAFT

KERRISON PUNCH 90 DEGREE DOWN 18 CM – 7” SHAFT



UP 90 DEGREE

Size	Art No
1 MM TIP	22-03-01
2 MM TIP	22-03-02
3 MM TIP	22-03-03
4 MM TIP	22-03-04
5 MM TIP	22-03-05



DOWN 90 DEGREE

Size	Art No
1 MM TIP	22-04-01
2 MM TIP	22-04-02
3 MM TIP	22-04-03
4 MM TIP	22-04-04
5 MM TIP	22-04-05

INTERVERTEBRAL DISC RONGEUR PLAIN SMOOTH JAW 18 CM – 7” SHAFT



	2 MM	3 MM	4 MM	5 MM
STRAIGHT	22-05-02	22-05-03	22-05-04	22-05-05
40 DEGREE UP	22-06-02	22-06-03	22-06-04	22-06-05
40 DEGREE DOWN	22-07-02	22-07-03	22-07-04	22-07-05

INTERVERTEBRAL DISC RONGEUR SERRATED JAW 18 CM – 7” SHAFT



	2 MM	3 MM	4 MM	5 MM
STRAIGHT	22-08-02	22-08-03	22-08-04	22-08-05
40 DEGREE UP	22-09-02	22-09-03	22-09-04	22-09-05
40 DEGREE DOWN	22-10-02	20-10-03	22-10-04	22-10-05

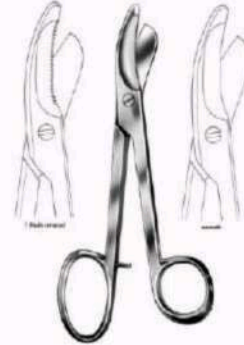


LISTER BANDAGE CUTTING



Size	Art No
14 CM – 5½"	07-18-14
16 CM – 6¼"	07-18-16
18 CM – 7"	07-18-18
20 CM – 8"	07-18-20

BRUNS PLASTER SHEAR (BHOLAR) 24 CM – 9 ½"



	Art No
SMOOTH	07-19-24
SERRATED	07-20-24

STILLE PLASTER SHEAR



Size	Art No
26 CM – 10 ½"	22-11-26
37 CM – 15"	22-11-37

BERGMANN PLASTER SHEAR



Size	Art No
23.5CM – 9 ¼"	22-12-23

ENGEL HEAVY HANDLE PLASTER SAW



Size	Art No
15.5 CM – 6"	22-13-15

ENGEL PLASTER SAW



Size	Art No
15.5 CM – 6"	22-14-15

BERGMANN PLASTER SAW



Size	Art No
18 CM – 7"	22-15-18

HENNING PLASTER SPREADER



Size	Art No
28 CM – 11"	22-16-28



WOLFF PLASTER BREAKER



Size	Art No
18 CM – 7"	22-17-18
26.5 CM – 10 1/2"	22-17-26

CHARRIERE AMPUTATION SAW



Size	Art No
27 CM – 10 1/2"	22-18-27

SATTERLEE AMPUTATION SAW



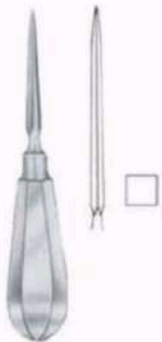
Size	Art No
29 CM – 11 1/2"	22-19-29

LANGENBECK FINGER SAW



Size	Art No
23 CM – 9"	22-20-23

STRAIGHT BONE AWL/REAMER



Size	Art No
14 CM – 5 1/2"	22-21-14

T HANDLE BONE AWL/REAMER



Size	Art No
14 CM – 5 1/2"	22-22-14

OBWEGESER BONE AWL WITH EYE



Size	Art No
18 CM – 7"	22-23-18

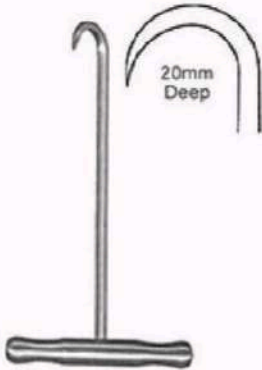
KUNTSCHER POINTED DIAMOND AWL



Size	Art No
28 CM – 11"	22-24-28



BONE HOOK T HANDLE



Size	Art No
20 CM - 8"	22-25-20

VOLKMANN BONE HOOK



Size	Art No
20 CM - 8"	22-26-20
23 CM - 9"	22-26-23
25 CM - 10"	22-26-25

FLAT NOSE PLIER PARALLEL GRIP



Size	Art No
18 CM - 7"	22-27-18

PARALLEL WIRE CUTTER CUM PLIER



Without T.C. Tip	
Size	Art No
15.5 CM - 6"	22-28-15
20 CM - 8"	22-28-20

With T.C. Tip	
Size	Art No
15.5 CM - 6"	TC22-28-15
20 CM - 8"	TC22-28-20

WISE GRIP PLIER



Size	Art No
20 CM - 8"	22-29-20

NEEDLE NOSE LOCKING PLIER



Size	Art No
25 CM - 10"	22-30-25

FLAT NOSE PLIER SINGLE ACTION



Size	Art No
18 CM - 7"	22-31-18

FLAT NOSE PLIER DOUBLE ACTION TUNGSTEN CARBIDE INSERTS



Size	Art No
18 CM - 7"	TC22-32-18

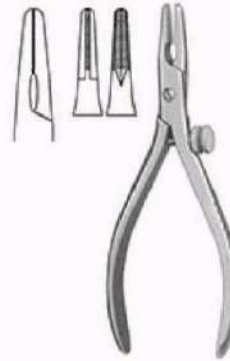


WIRE BENDING PLIER WITH SERRATED JAW



Size	Art No
20 CM - 8"	22-33-20

K WIRE EXTRACTING PLIER



Size	Art No
18 CM - 7"	22-34-18

WIRE TWISTING FORCEP



Size	Art No
15.5 CM - 6"	22-35-15
20 CM - 8"	22-35-20

WIRE TWISTING FORCEP TUNGSTEN CARBIDE TIP



Size	Art No
15.5 CM - 6"	TC22-36-15
20 CM - 8"	TC22-36-20

WIRE CUTTING PLIER TUNGSTEN CARBIDE TIP



Size	Art No
18 CM - 7"	TC22-37-18
23 CM - 9"	TC22-37-23

CRIMPLE WIRE CUTTING PLIER TUNGSTEN CARBIDE TIP



Size	Art No
23 CM - 9"	TC22-38-23

FRONT END WIRE CUTTING PLIER TUNGSTEN CARBIDE TIP



Size	Art No
23 CM - 9"	TC22-39-23

FRONT/SIDE WIRE CUTTING PLIER TUNGSTEN CARBIDE TIP



Size	Art No
23 CM - 9"	TC22-40-23



PIN AND PLATE CUTTER TUNGSTEN CARBIDE TIP



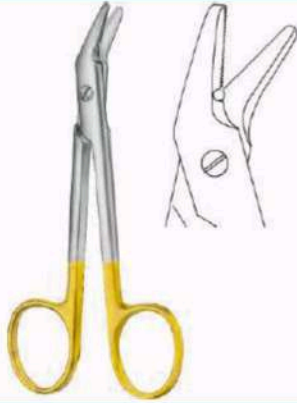
Size	Art No
23 CM - 9"	TC22-41-23

PIN CUTTER TUNGSTEN CARBIDE TIP



Size	Art No
23 CM - 9"	TC22-42-23
30 CM - 12"	TC22-42-30
47 CM - 18 1/2"	TC22-42-47

UNIVERSAL WIRE CUTTING SCISSOR TUNGSTEN CARBIDE TIP



Size	Art No
12.5 CM - 5"	TC22-43-12

FRENCH STYLE ROD BENDER ROLLER TYPE



Size	Art No
28 CM - 11"	22-44-28

PLATE BENDER FOR SMALL PLATES 14.5 CM - 5 3/4"



Size	Art No
FIG #1	22-45-01
FIG #2	22-45-02

PLATE BENDER FOR STANDARD PLATES



Size	Art No
24 CM - 9 1/2"	22-46-24

PLATE BENDING PRESS



Art No
22-47-00

DEMEL WIRE TIGHTNER



Size	Art No
28 CM - 11"	22-48-28



WIRE TIGHTNER T HANDLE



Size	Art No
11.5 CM – 4 1/2"	22-49-11

BONE FILE/RASP DOUBLE ENDED



Size	Art No
22 CM – 8 3/4"	22-50-22

BONE FILE WITH HOLLOW HANDLE



Size	Art No
24 CM – 9 1/2"	22-51-24

BONE FILE FIBRE HANDLE CROSS HATCHED



Size	Art No
18 CM – 7"	22-52-18

CASPAR BONE IMPACTOR/TEMPER 20 CM – 8"



3 mm
5 mm
8 mm

Size	Art No
3 MM	22-53-03
5 MM	22-53-05
8 MM	22-53-08

CASPAR BONE IMPACTOR/TEMPER 20 CM – 8"



12 mm
14 mm
16 mm

Size	Art No
12 MM	22-53-12
14 MM	22-53-14
16 MM	22-53-16

MINI HOHMANN RETRACTOR 6MM



6 mm

Size	Art No
16 CM – 6 1/4"	22-54-06

MINI HOHMANN RETRACTOR 8MM



8 mm

Size	Art No
16 CM – 6 1/4"	22-54-08



HOHMANN RETRACTOR 8 MM



Size	Art No
22 CM – 8 ¾"	22-55-08

HOHMANN RETRACTOR 18 MM



Size	Art No
24 CM – 9 ½"	22-55-18

HOHMANN RETRACTOR 22 MM



Size	Art No
26 CM – 10 ½"	22-55-22

HOHMANN RETRACTOR 33 MM



Size	Art No
26 CM – 10 ½"	22-55-33

HOHMANN RETRACTOR 43 MM



Size	Art No
24 CM – 9 ½"	22-55-43

HOHMANN RETRACTOR 70 MM



Size	Art No
24 CM – 9 ½"	22-55-70

HOHMANN RETRACTOR 24 MM ROUND TIP



Size	Art No
26 CM – 10 ½"	22-56-24

MURPHY-LANE BONE SKID



Size	Art No
30 CM -12"	22-57-30



TRETHOWAN BONE LEVER



Size	Art No
21.5 CM - 8 1/2"	22-58-21

LANES BONE LEVER 25 CM - 10"



	Art No
PLAIN	22-59-01
SERRATED	22-59-02

BRISTOW BONE LEVER



Size	Art No
23 CM - 9"	22-60-23

BLOUNT BONE LEVER



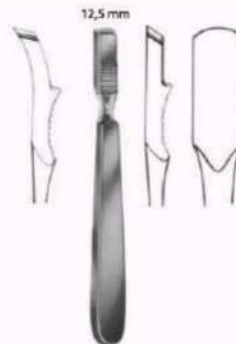
Size	Art No
26 CM - 10 1/2"	22-61-26

LANGENBECK ELEVATOR 10 MM



Size	Art No
23 CM - 9"	22-62-23

ROUGINE FARABEUF PERIOSTEAL ELEVATOR 15.5 CM - 6"



	Art No
STRAIGHT	22-63-01
CURVED	22-63-02

PERIOSTEAL ELEVATOR WITH FIBRE HANDLE STRAIGHT 21 CM - 8 1/4"



Size	Art No
6 MM	22-64-06
8 MM	22-64-08
10 MM	22-64-10
12 MM	22-64-12
14 MM	22-64-14
16 MM	22-64-16

PERIOSTEAL ELEVATOR WITH FIBRE HANDLE CURVED 21 CM - 8 1/4"



Size	Art No
6 MM	22-65-06
8 MM	22-65-08
10 MM	22-65-10
12 MM	22-65-12
14 MM	22-65-14
16 MM	22-65-16



COBB SPINAL ELEVATOR 28 CM – 11”



Size	Art No
6 MM	22-66-06
13 MM	22-66-13
19 MM	22-66-19
25 MM	22-66-25

MCDONALD DISSECTOR



Size	Art No
19 CM – 7 1/2”	22-67-19

FREER ELEVATOR



Size	Art No
19 CM – 7 1/2”	22-68-19

STILLE OSTEOTOME STRAIGHT 20 CM – 8”



Size	Art No
5 MM	22-69-05
10 MM	22-69-10
15 MM	22-69-15
20 MM	22-69-20
25 MM	22-69-25

STILLE OSTEOTOME CURVED 20 CM – 8”



Size	Art No
5 MM	22-70-05
10 MM	22-70-10
15 MM	22-70-15
20 MM	22-70-20
25 MM	22-70-25

STILLE GOUGE 20 CM - 8”



Size	STRAIGHT	CURVED
	Art No	Art No
5 MM	22-71-05	22-72-05
10 MM	22-71-10	22-72-10
15 MM	22-71-15	22-72-15
20 MM	22-71-20	22-72-20
25 MM	22-71-25	22-72-25

STILLE CHISEL STRAIGHT 20 CM – 8”



Size	Art No
5 MM	22-73-05
10 MM	22-73-10
15 MM	22-73-15
20 MM	22-73-20
25 MM	22-73-25

OSTEOTOME WITH FIBRE HANDLE STRAIGHT 20 CM – 8”



Size	Art No
5 MM	22-74-05
10 MM	22-74-10
15 MM	22-74-15
20 MM	22-74-20
25 MM	22-74-25



OSTEOTOME WITH FIBRE HANDLE CURVED 20 CM – 8”



Size	Art No
5 MM	22-75-05
10 MM	22-75-10
15 MM	22-75-15
20 MM	22-75-20
25 MM	22-75-25

GOUGE WITH FIBRE HANDLE 20 CM - 8”



Size	STRAIGHT CURVED	
	Art No	Art No
5 MM	22-76-05	22-77-05
10 MM	22-76-10	22-77-10
15 MM	22-76-15	22-77-15
20 MM	22-76-20	22-77-20
25 MM	22-76-25	22-77-25

CHISEL WITH FIBRE HANDLE STRAIGHT 20 CM – 8”



Size	Art No
5 MM	22-78-05
10 MM	22-78-10
15 MM	22-78-15
20 MM	22-78-20
25 MM	22-78-25

VOLKMANN BONE CURETTE STRAIGHT SINGLE ENDED 23 CM – 9”



Size	Art No
1MM (NO. 0000)	22-79-01
2MM (NO. 000)	22-79-02
3MM (NO. 00)	22-79-03
4MM (NO. 0)	22-79-04
5MM (NO. 1)	22-79-05
6MM (NO. 2)	22-79-06
7MM (NO. 3)	22-79-07
8MM (NO. 4)	22-79-08
9MM (NO. 5)	22-79-09
10MM (NO. 6)	22-79-10

VOLKMANN BONE CURETTE FORWARD SINGLE ENDED 23 CM – 9”



Size	Art No
1MM (NO. 0000)	22-80-01
2MM (NO. 000)	22-80-02
3MM (NO. 00)	22-80-03
4MM (NO. 0)	22-80-04
5MM (NO. 1)	22-80-05
6MM (NO. 2)	22-80-06
7MM (NO. 3)	22-80-07
8MM (NO. 4)	22-80-08
9MM (NO. 5)	22-80-09
10MM (NO. 6)	22-80-10

VOLKMANN BONE CURETTE DOUBLE ENDED



Size	Art No
12.5 CM – 5”	22-81-12
15.5 CM – 6”	22-81-15
18 CM – 7”	22-81-18
20 CM – 8”	22-81-20

BONE HAMMER WITH FIBRE HANDLE 26 CM – 10 ½”



Size	Art No
250 GMS	22-82-25
400 GMS	22-82-40
500 GMS	22-82-50
750 GMS	22-82-75

BONE Mallet WITH ONE TEFLON END 26 CM - 10 ½”



Size	Art No
675 GMS	22-83-26



BONE Mallet VICKERS WITH BOTH TEFLON END 19 CM - 7 1/2"



Size	Art No
300 GMS	22-84-19

HEXAGONAL SCREW DRIVER 23 CM - 9"



Size	Art No
2.5 MM TIP	22-85-25
3.5 MM TIP	22-85-35
4.5 MM TIP	22-85-45

HEXAGONAL SCREW DRIVER WITH HOLDING SLEEVE 23 CM - 9"



Size	Art No
2.5 MM TIP	22-86-25
3.5 MM TIP	22-86-35
4.5 MM TIP	22-86-45

WIRE PASSER GIUDE WITH FIBRE HANDLE 45 MM BENDING DIAMETER



Art No
22-87-45

WIRE PASSER GIUDE WITH FIBRE HANDLE 70 MM BENDING DIAMETER



Art No
22-87-70

LOWMANN BONE HOLDING CLAMP 1 X 2 JAWS



Size	Art No
14 CM - 5 1/2"	22-88-14
18 CM - 7"	22-88-18
20 CM - 8"	22-88-20

KERN WITH RATCHET BONE HOLDING CLAMP



Size	Art No
15.5 CM - 6"	22-89-15
17 CM - 6 3/4"	22-89-17
21 CM - 8 1/2"	22-89-21

LANES WITH RATCHET BONE HOLDING CLAMP



Size	Art No
33 CM - 13"	22-90-33
45 CM - 18"	22-90-45

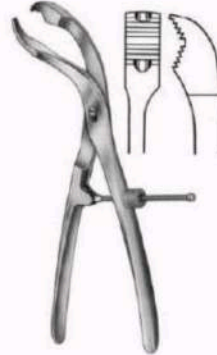


HEY-GROVES BONE HOLDING CLAMP



Size	Art No
20 CM – 8"	22-91-20
25 CM – 10"	22-91-25
30 CM – 12"	22-91-30

VERBRUGGE SELF CENTERING BONE HOLDING FORCEP



Size	Art No
15.5 CM – 6"	22-92-15
19 CM – 7 1/2"	22-92-19
24 CM – 9 1/2"	22-92-24
26 CM – 10 1/2"	22-92-26
28 CM – 11"	22-92-28

POINTED REDUCTION FORCEP WITH SPEED LOCK



Size	Art No
16 CM – 6 1/4"	22-93-16
22 CM – 8 3/4"	22-93-22
24 CM – 9 1/2"	22-93-24

POINTED REDUCTION FORCEP WITH ONE LONG RATCHET



Size	Art No
16 CM – 6 1/4"	22-94-16
20 CM – 8"	22-94-20

POINTED REDUCTION FORCEP WITH BOTH LONG RATCHET



Size	Art No
16 CM – 6 1/4"	22-95-16
20 CM – 8"	22-95-20

SERRATED REDUCTION FORCEP WITH SPEED LOCK



Size	Art No
16 CM – 6 1/4"	22-96-16
22 CM – 8 3/4"	22-96-22
24 CM – 9 1/2"	22-96-24

SERRATED REDUCTION FORCEP WITH RATCHET



Size	Art No
16 CM – 6 1/4"	22-97-16
20 CM – 8"	22-97-20

PATELLA BONE HOLDING FORCEP 2 X 2 PRONGS



Size	Art No
19 CM – 7 1/2"	22-98-19
25 CM – 10"	22-98-25

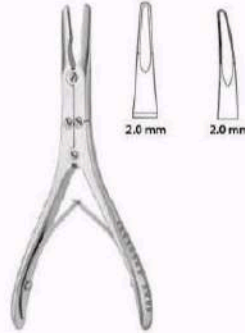


FERGUSSON BONE HOLDING FORCEP



Size	Art No
21 CM – 8 1/4"	22-99-21

BOHLER BONE RONGEUR 2 MM TIP 15.5 CM – 6"



	Art No
STRAIGHT	22-101-01
CURVED	22-101-02

BEYER BONE RONGEUR 2 MM TIP 18 CM – 7"



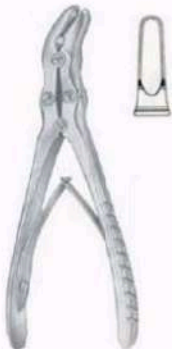
	Art No
STRAIGHT	22-102-01
CURVED	22-102-02

RUSKIN BONE ROUNGER 18 CM – 7"



	4 MM TIP	6 MM TIP
	Art No	Art No
STRAIGHT	22-103-01	22-104-01
CURVED	22-103-02	22-104-02

RUSKIN BONE ROUNGER ANGULAR 6 MM TIP



Size	Art No
18 CM – 7"	22-105-18

RUSKIN BONE RONGEUR 4 MM TIP 20 CM – 8"



	Art No
STRAIGHT	22-106-01
CURVED	22-106-02

ROTTGEN-RUSKIN BONE RONGEUR 23 CM – 9"



	3 MM TIP	5 MM TIP
	Art No	Art No
STRAIGHT	22-107-01	22-108-01
CURVED	22-107-02	22-108-02

STILLE RUSKIN BONE RONGEUR 8 MM TIP 23 CM – 9"



	Art No
STRAIGHT	22-109-01
CURVED	22-109-02



STILLE LEUR BONE RONGEUR 10 MM TIP 23 CM – 9”

LEKSELL STILLE BONE RONGEUR 8 MM TIP



STRAIGHT
CURVED

Art No

22-110-01
22-110-02



Size
23 CM – 9”

Art No
22-111-23

STILLE LEUR DUCKBILL BONE RONGEUR 6 MM TIP

ECHLIN DUCKBILL BONE RONGEUR 23 CM – 9”



Size
23 CM – 9”

Art No
22-112-23



Size
2 MM TIP
4 MM TIP

Art No
22-113-02
22-113-04

BOHLER BONE CUTTER 15.5 CM – 6”

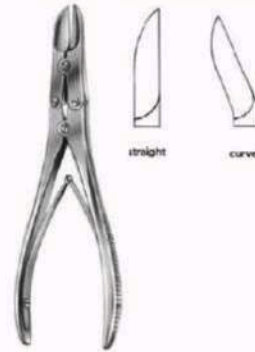
RUSKIN-LISTON BONE CUTTER 18 CM – 7”



STRAIGHT
CURVED

Art No

22-114-01
22-114-02



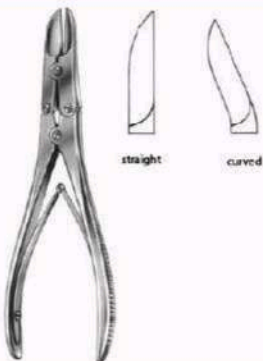
STRAIGHT
CURVED

Art No

22-115-01
22-115-02

RUSKIN-LISTON BONE CUTTER 20 CM – 8”

STILLE-LISTON BONE CUTTER 23 CM – 9”



STRAIGHT
CURVED

Art No

22-116-01
22-116-02



STRAIGHT
CURVED

Art No

22-117-01
22-117-02



STILLE-LISTON BONE CUTTER 27 CM – 10 3/4"

STILLE-LISTON BONE CUTTER 90 DEGREE ANGLED



STRAIGHT
CURVED

Art No

22-118-01
22-118-02

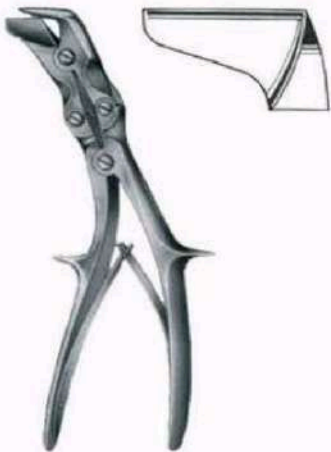


Size
27 CM – 10 3/4"

Art No
22-119-27

SEMB BONE CUTTER

LISTON KEY HORSLEY BONE CUTTER



Size
24 CM – 9 1/2"

Art No
22-120-24

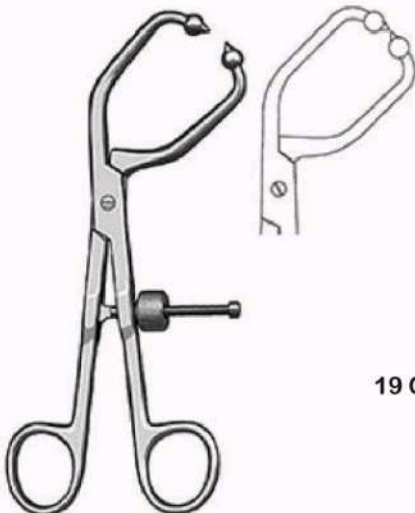


Size
27 CM – 10 3/4"

Art No
22-121-27

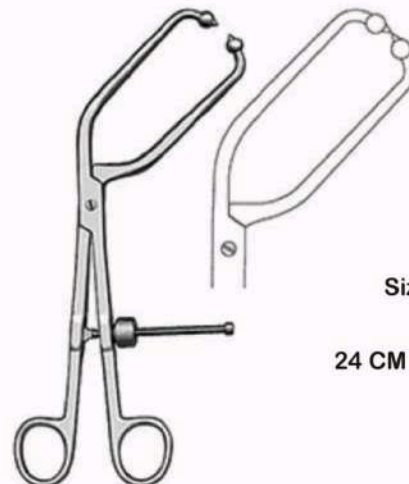
PELVIC REDUCTION FORCEP ANGULAR
SHORT POINTED BALL TIP

PELVIC REDUCTION FORCEP ANGULAR
LONG POINTED BALL TIP



Size
19 CM – 7 1/2"

Art No
22-122-19

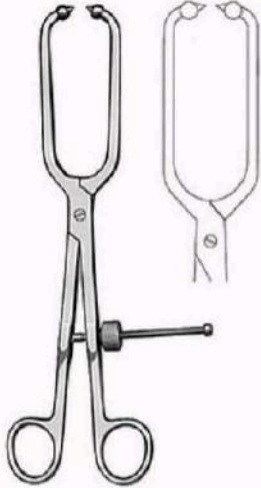


Size
24 CM – 9 1/2"

Art No
22-123-24



PELVIC REDUCTION FORCEP STRAIGHT
SHORT POINTED BALL ANGLED TIP



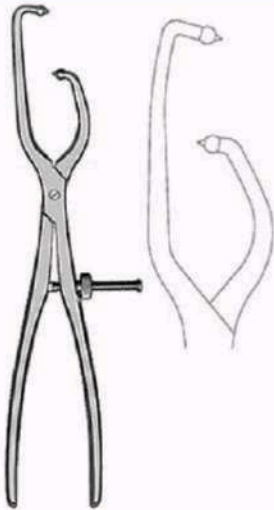
Size	Art No
25 CM - 10"	22-124-25

PELVIC REDUCTION FORCEP STRAIGHT LONG POINTED BALL TIP



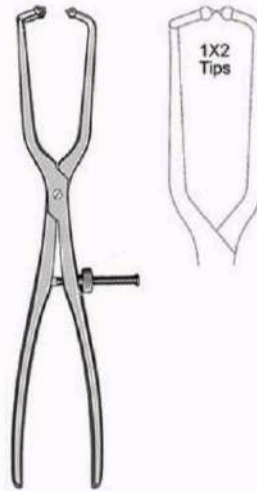
Size	Art No
24 CM - 9 1/2"	22-125-24
41 CM - 16"	22-125-41

PELVIC REDUCTION FORCEP ASYMETRIC UNEVEN ARMS
POINTED BALL TIP



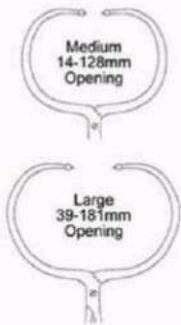
Size	Art No
41 CM - 16"	22-126-41

PELVIC REDUCTION FORCEP STRAIGHT
LONG 1 X 2 POINTED BALL TIP



Size	Art No
41 CM - 16"	22-127-42

PERIARTICULAR REDUCTION FORCEP STRAIGHT
POINTED BALL TIP 38 CM - 15"



Size	Art No
MEDIUM	22-128-01
LARGE	22-128-02

PELVIC REDUCTION FORCEP
ADJUSTABLE JAWS FOR SCREWS



Size	Art No
25 CM - 10"	22-129-25
33 CM - 13"	22-129-33