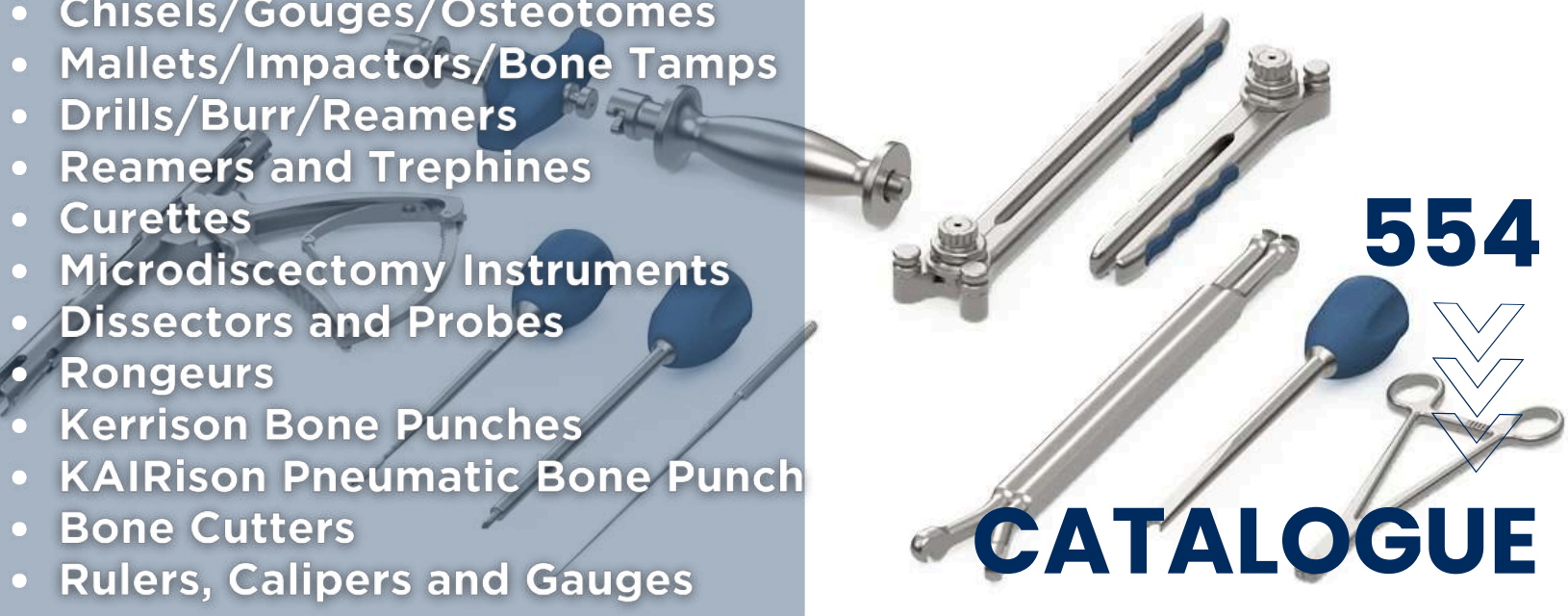
ALIS PRO

ORTHOPEDICS & SPINE

- Scissors
- Plaster/Nail/Wire Instruments
- Meniscus Instruments
- Forceps
- Retractors
- Rasps
- Elevators and Bone Levers
- Chisels/Gouges/Osteotomes
- Mallets/Impactors/Bone Tamps
- Drills/Burr/Reamers
- Reamers and Trephines
- Curettes
- Microdiscectomy Instruments
- Dissectors and Probes
- Rongeurs
- Kerrison Bone Punches
- KAIRison Pneumatic Bone Punch
- Bone Cutters
- Rulers, Calipers and Gauges



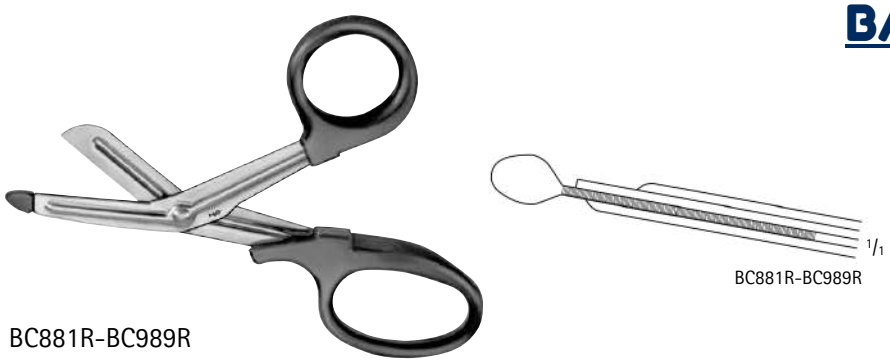
554

CATALOGUE

ORTHOPEDICS/SPINE

Scissors

UNIVERSAL BANDAGE SCISSORS



Catalog Number	Handle Color	Length (in.)
BC881R	BLACK	7
BC980R	RED	7
BC981R	BLUE	7
BC983R	YELLOW	7
BC985R	ORANGE	7
BC987R	PINK	7
BC988R	LIGHT GREEN	7
BC989R	VIOLET	7

LISTER UNIVERSAL BANDAGE SCISSORS



Catalog Number	Handle Color	Length (in.)
BC885R	BLACK	5 3/4
BC970R	RED	5 3/4
BC971R	BLUE	5 3/4
BC973R	YELLOW	5 3/4
BC975R	ORANGE	5 3/4
BC977R	PINK	5 3/4
BC978R	LIGHT GREEN	5 3/4
BC979R	VIOLET	5 3/4

LISTER BANDAGE SCISSORS, SERRATED



Catalog Number	Length (in.)
MB146R	3 1/2
BC876R	6 1/4

LISTER BANDAGE SCISSORS W/ ONE LARGE RING



Catalog Number	Length (in.)
MB223	8

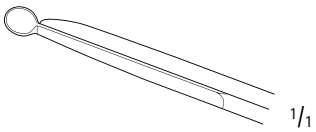
ORTHOPEDICS/SPINE

Scissors

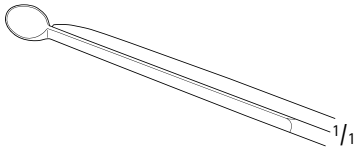
LISTER BANDAGE SCISSORS



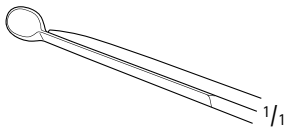
Catalog Number	Blade	Length (in.)
BC848R	LONG	6 1/8
BC849R	LONG	7
BC860R	STANDARD	4 1/2
BC861R	STANDARD	5 1/2
BC862R	STANDARD	7
BC863R	STANDARD	7 7/8



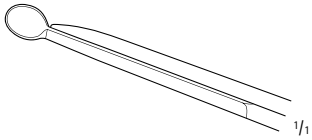
BC848R



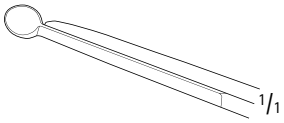
BC849R



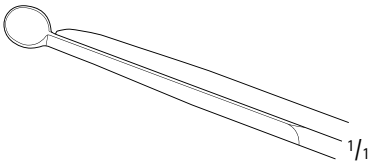
BC860R



BC861R



BC862R



BC863R

PLASTER AND BANDAGE SCISSORS

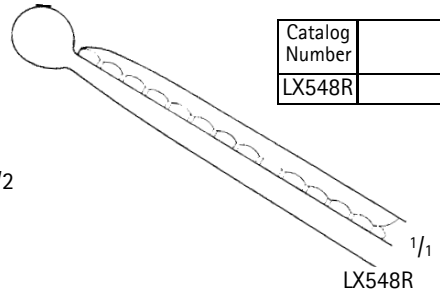


LX558R

Catalog Number	Length (in.)
LX558R	9 1/4

PLASTER SCISSORS





LX548R

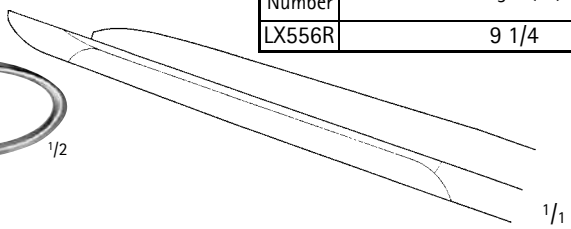
Catalog Number	Length (in.)
LX548R	6 1/4

ORTHOPEDICS/SPINE

Scissors

BRUNS PLASTER SCISSORS



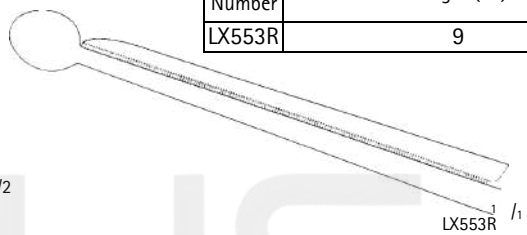


LX556R

Catalog Number	Length (in.)
LX556R	9 1/4

BERGMANN PLASTER SCISSORS

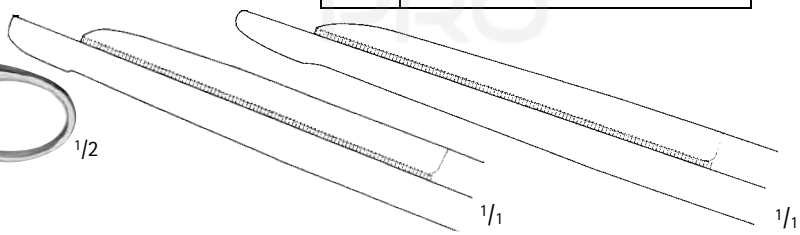




Catalog Number	Length (in.)
LX553R	9

ESMARCH PLASTER SCISSORS





LX550R LX552R

Catalog Number	Length (in.)
LX550R	7 7/8
LX552R	9

HERCULES PLASTER SHEARS





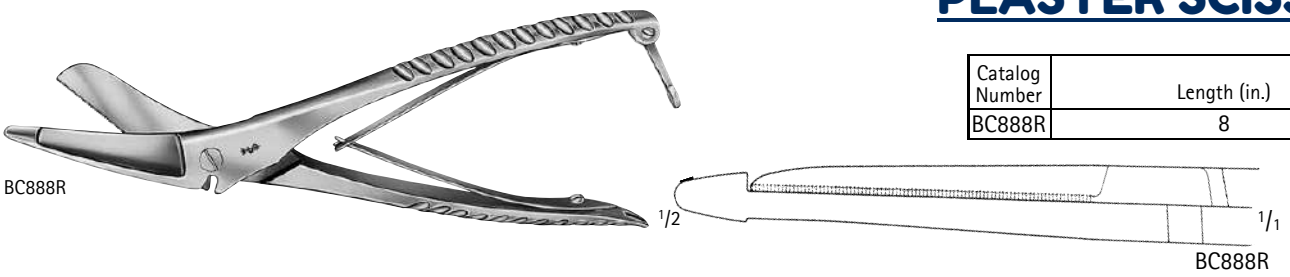
MB106R

Catalog Number	Length (in.)
MB106R	7 1/2

ORTHOPEDICS/SPINE

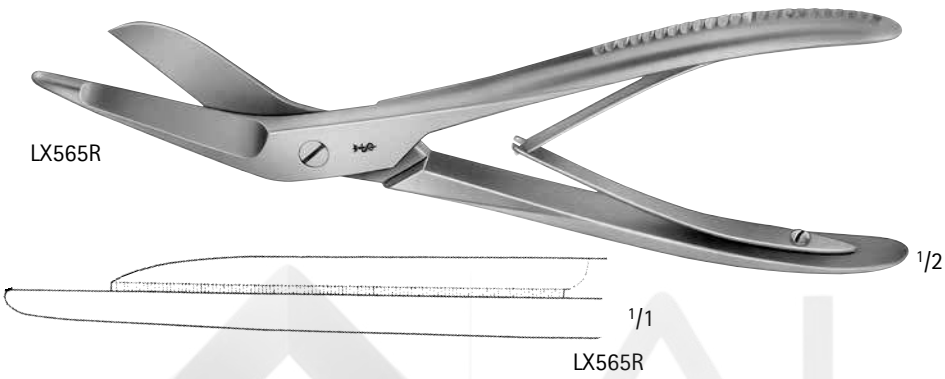
Scissors

PLASTER SCISSORS



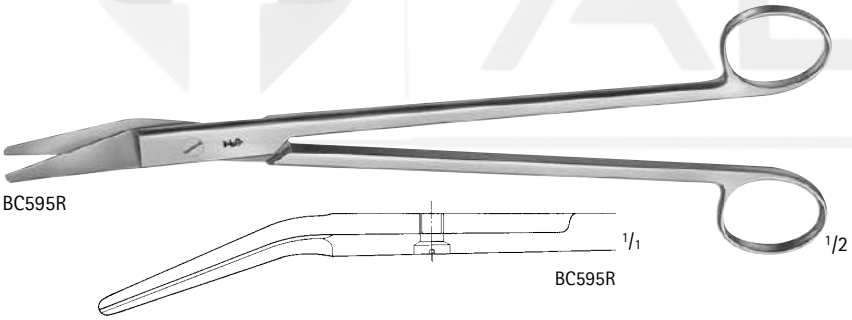
Catalog Number	Length (in.)
BC888R	8

SEUTIN PLASTER AND BANDAGE SCISSORS



Catalog Number	Length (in.)
LX565R	9

RESANO CARTILAGE SCISSORS



Catalog Number	Tip	Blade	Length (in.)
BC595R	B/B	ANG	9 3/4

ORTHOPEDICS/SPINE

Plaster and Nail Instruments



LX600R

HENNIG PLASTER SPREADER

Catalog Number	Length (in.)
LX600R	10 5/8



LX605R

PLASTER SPREADER

Catalog Number	Length (in.)
LX605R	9



LX618R-LX624R

WOLFF PLASTER BREAKER

Catalog Number	Length (in.)
LX618R	7
LX624R	9 1/2



HF213R



HF213R

NAIL CUTTER

Catalog Number	Length (in.)
HF213R	5 1/4

ORTHOPEDICS/SPINE

Nail and Wire Instruments



BC521R

BC521R

SYSTRUNK NAIL SPLITTING SCISSORS

Catalog Number	Tip	Blade	Length (in.)
BC521R	S/S	STR	5 1/8

ORTHOPEDICS/SPINE

Nail and Wire Instruments

NAIL SCISSORS

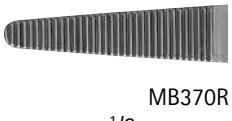




Catalog Number	Tip	Blade	Length (in.)
HF021R	S/S	CVD	4 1/4

NEEDLE NOSE PLIERS/WIRE CUTTERS





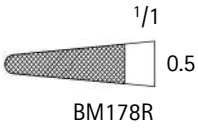
Catalog Number	Length (in.)
MB370R	7 1/4

ORTHOPEDICS/SPINE

Wire Instruments

ALIS PROTC AESCULAP NEEDLE HOLDER, DOUBLE ACTION





Catalog Number	Handle	Jaw	Length (in.)
BM178R	RATCHET	SERR	7 7/8

HARVEY WIRE CUTTER, W/ SPECIALLY HARDENED CUTTING EDGES



Catalog Number	For Wire Size	Tip	Length (in.)
LX157R	SOFT, UP TO 3MM AND HARD, UP TO 2.2MM	ANG	9 1/4

ORTHOPEDICS/SPINE

Wire Instruments


LX150R 1/2


1/1

LX150R

WIRE CUTTER, W/ SPECIALLY HARDENED CUTTING EDGES

Catalog Number	For Wire Size	Length (in.)
LX150R	SOFT, UP TO 2MM AND HARD, UP TO 1.5MM	5 3/4
LX152R	SOFT, UP TO 3.5MM AND HARD, UP TO 2.0MM	8 3/4
LX156R	SOFT, UP TO 3MM AND HARD, UP TO 2.2MM	9 1/4


LX152R 1/2


1/1

LX152R


LX156R 1/2


1/1

LX156R

WIRE CUTTER, FRONT AND LATERAL, W/ SPECIALLY HARDENED CUTTING EDGES


LX158R 1/2


1/1

LX158R

Catalog Number	Wire Size	Length (in.)
LX158R	SOFT, UP TO 2MM AND HARD, UP TO 1.5MM	7

ORTHOPEDICS/SPINE

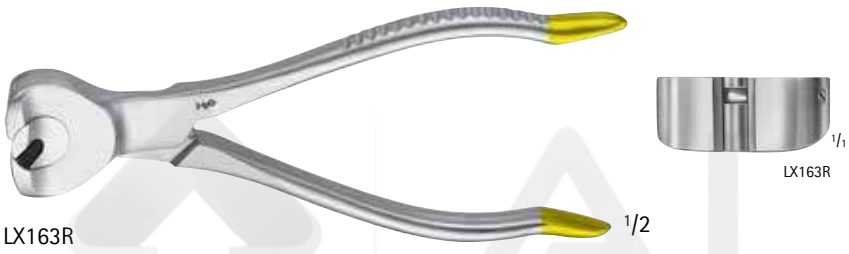
Wire Instruments

REILL CUTTER, F/ WIRE CLOSE TO BONE, W/ SPECIALLY HARDENED CUTTING EDGES



Catalog Number	For Wire Size	Length (in.)
LX159R	SOFT, UP TO 2MM AND HARD, UP TO 1.5MM	6 7/8

FRONT CUTTER, W/ SPECIALLY HARDENED CUTTING EDGES



Catalog Number	For Wire Size	Length (in.)
LX163R	SOFT, UP TO 3.5MM AND HARD, UP TO 2.5MM	6 1/2

TC WIRE CUTTER W/ CARBIDE CUTTING EDGES



Catalog Number	Length (in.)
LX162R	9 1/2

TC FLUSH WIRE CUTTER



Catalog Number	Packaging	Tip	Length (in.)
MG029R	1.6	FRONT AND LATERAL	6 3/4

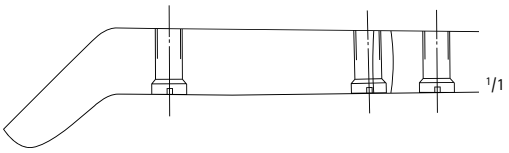
ORTHOPEDICS/SPINE

Wire Instruments

TC WIRE CUTTER DOUBLE ACTION



Catalog Number	Packaging	Tip	Length (in.)
MG025R	2.5	ANG	8 3/4



WIRE HOLDING FORCEPS W/HARD METAL INSERTS



Catalog Number	Length (in.)
LX176R	6 3/4

WIRE GRASPING FORCEPS W/HARD METAL INSERTS



Catalog Number	Tip	Length (in.)
LX179R	FLAT	7 1/2

HERCULES PIN CUTTER



Catalog Number	Packaging	Description	Length (in.)
MG088R	3	TUNGSTEN CARBIDE	8 3/4

ORTHOPEDICS/SPINE

Wire Instruments

PIN CUTTER, END-CUTTING



MG089R

1/3

Catalog Number	Packaging	Length (in.)
MG089R	4.7	14 3/4
MG090R	6.3	22 1/2



MG090R

1/4

BOLT CUTTER

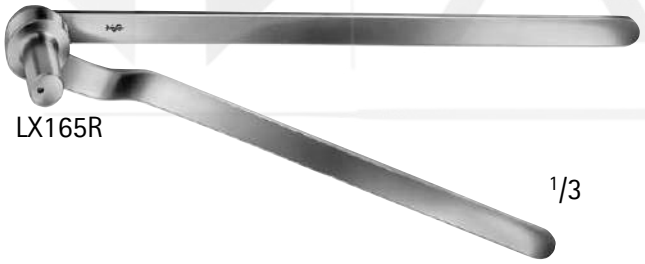


LX164R

1/3

Catalog Number	Item	Length (in.)
LX164R	F/KIRSCHNER WIRES, TIBIA HEAD SCREWS, BOLTS, PINS, UP TO 6MM	18 1/2

BOLT CUTTER



LX165R

1/3



LX165R

Catalog Number	Item	Length (in.)
LX165R	F/KIRSCHNER WIRES, TIBIA HEAD SCREWS, BOLTS, PINS, UP TO 6MM	12 1/2

WIRE HOLDING PLIERS



LX170R-LX171R

1/2



1/1

LX170R



1/1

LX171R

Catalog Number	Tip	Length (in.)
LX170R	SERR	6 3/4
LX171R	CROSS-GROOVES	6 3/4

ORTHOPEDICS/SPINE

Wire Instruments

WIRE HOLDING FORCEPS

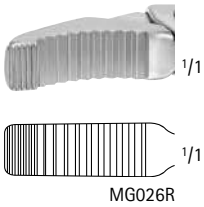




Catalog Number	Tip	Length (in.)
LX172R	SERR	7 1/2

WIRE HOLDING PLIERS



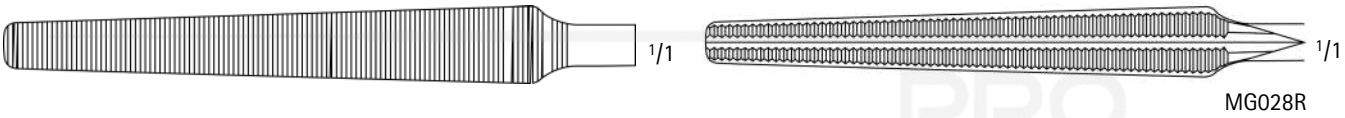


Catalog Number	Tip	Tip Size (mm)	Length (in.)
MG026R	LOCKING	7	7

WIRE HOLDING NEEDLE-NOSE PLIERS



Catalog Number	Tip	Tip Size (mm)	Length (in.)
MG028R	LOCKING, NEEDLE-NOSE	5	9 1/2



VISE GRIP PLIERS



Catalog Number	Tip	Length (in.)
LX174R	FLAT NOSE	7 7/8



BENDING IRON

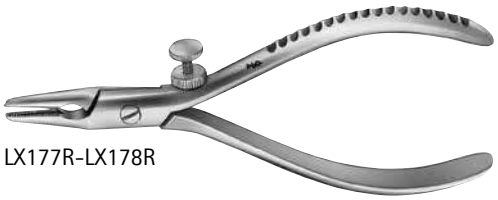


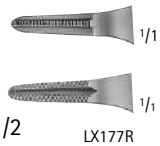
Catalog Number	FOR BORING WIRE SIZE	Length (in.)
LX175S	UP TO 2.7MM	4 3/4

ORTHOPEDICS/SPINE

Wire Instruments

WIRE EXTRACTION PLIERS







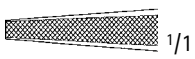
Catalog Number	Length (in.)
LX177R	5 1/8
LX178R	7

WIRE EXTRACTION PLIERS

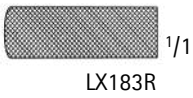




Catalog Number	Tip	Length (in.)
LX181R	RND	7
LX182R	RND, SHORT JAW	7
LX183R	FLAT	7
LX185R	PARALLEL	5 3/4









UTILITY PLIERS



Catalog Number	Length (in.)
MB576R	7 3/4

FLAT NOSED PLIERS

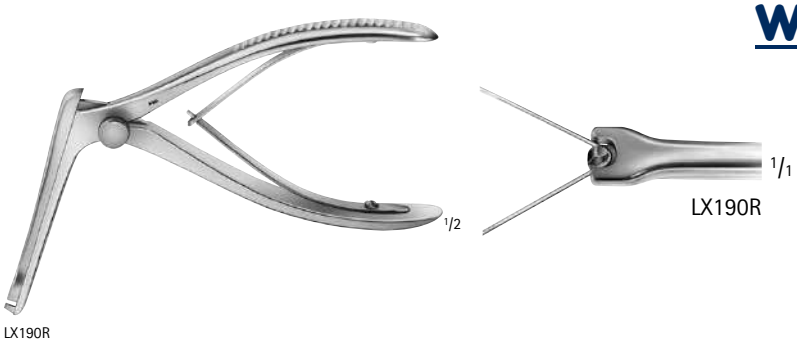


Catalog Number	Tip	Length (in.)
LX189R	PARALLEL	7 1/4





WIRE BENDING PLIERS

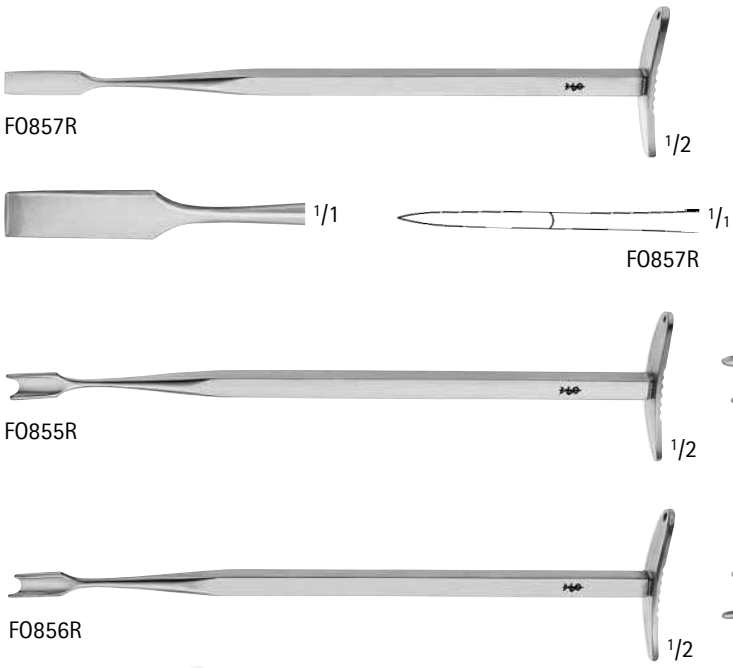


Catalog Number	For Wire Size
LX190R	UP TO 1.8MM

ORTHOPEDICS/SPINE

Meniscus Instruments

SMILLIE MENISCOTOME

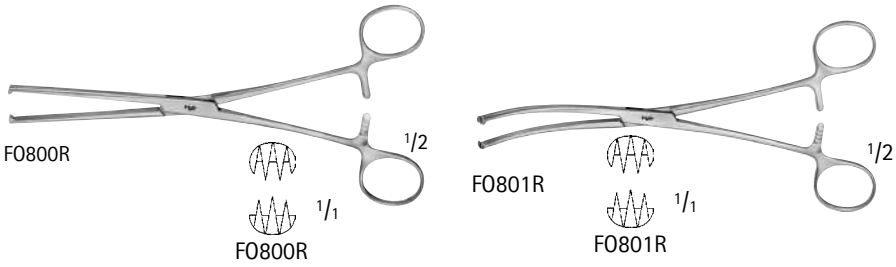


Catalog Number	Jaw	Length (in.)
FO857R	STRAIGHT	6 3/4
FO855R	LEFT	6 3/4
FO856R	RIGHT	6 3/4

ORTHOPEDICS/SPINE

Forceps

BIRCHER CARTILAGE FORCEPS



Catalog Number	Jaw	Length (in.)
FO800R	STR	7 7/8
FO801R	CVD	7 7/8

BIRCHER-GANSKE CARTILAGE FORCEPS (CONTINUED)

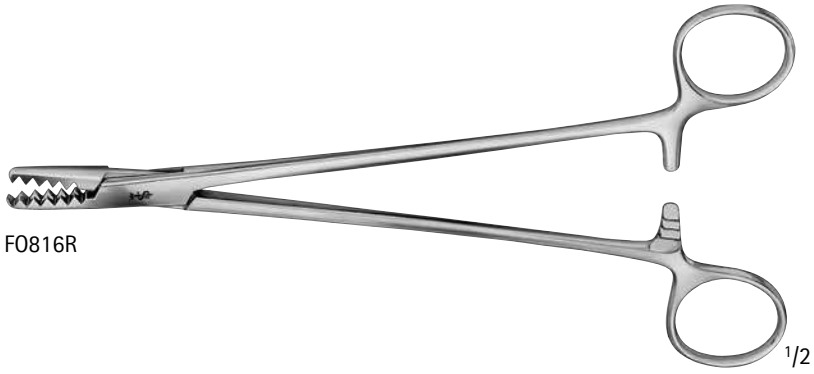


Catalog Number	Jaw	Length (in.)
FO810R	CVD	7 7/8

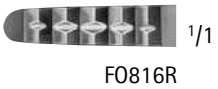
ORTHOPEDICS/SPINE

Forceps

MARTIN CARTILAGE FORCEPS



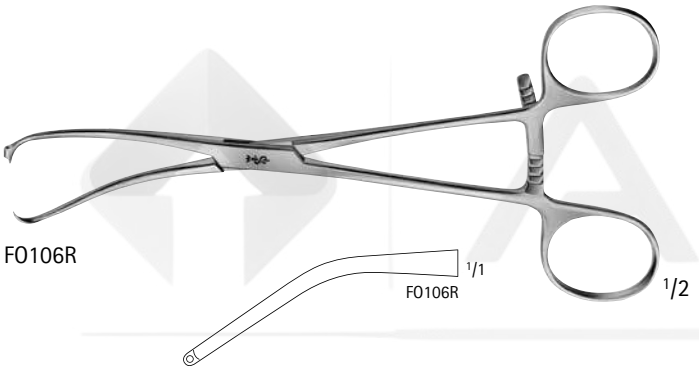
Catalog Number	Jaw	Length (in.)
FO816R	STR	8



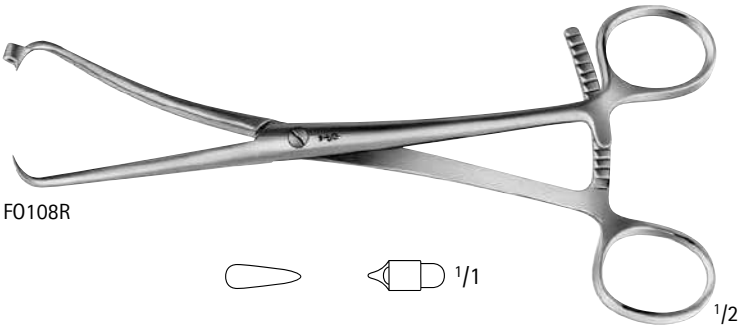
ORTHOPEDICS/SPINE

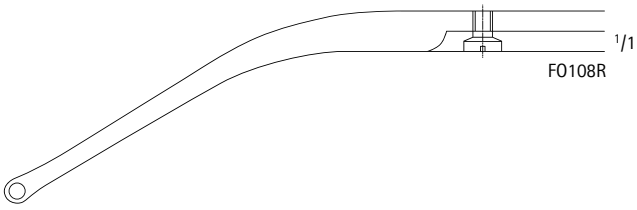
Bone Holding Forceps

MEYER REPOSITION FORCEPS, F/ WIRES



Catalog Number	For Wire Size	Length (in.)
FO106R	UP TO 1MM	6 3/4
FO108R	UP TO 2MM	8

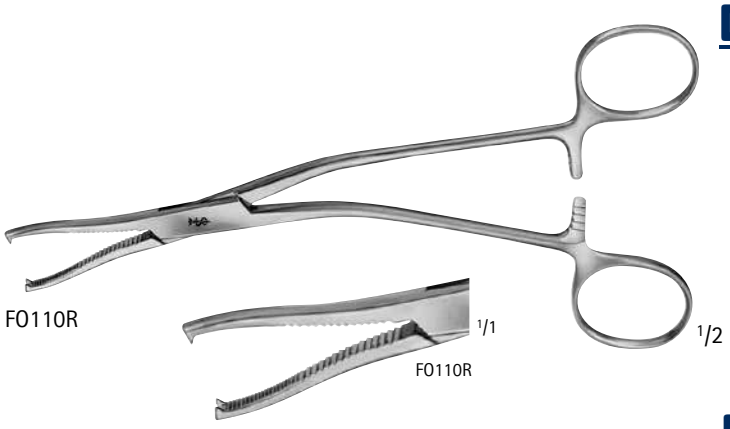




ORTHOPEDICS/SPINE

Bone Holding Forceps

DINGMANN BONE HOLDING FORCEPS



Catalog Number	Teeth	Length (in.)
FO110R	2 x 2	7 1/4

DINGMANN BONE HOLDING FORCEPS

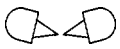


Catalog Number	Teeth	Shaft	Length (in.)
FO111R	2 x 2	CVD	7 1/4



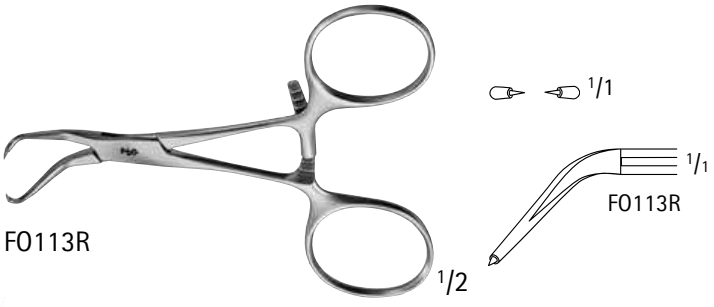
BONE HOLDING FORCEPS





Catalog Number	Length (in.)
FO112R	8 1/4

FINGER REPOSITION FORCEPS, STEPPED TIPS



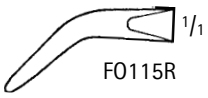
Catalog Number	Length (in.)
FO113R	3 3/4

ORTHOPEDICS/SPINE

Bone Holding Forceps

FINGER REPOSITION FORCEPS, F/ SMALL FRAGMENTS

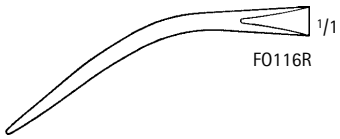




Catalog Number	Length (in.)
FO115R	5 1/4

REILL REPOSITION FORCEPS





Catalog Number	Length (in.)
FO116R	6 3/4

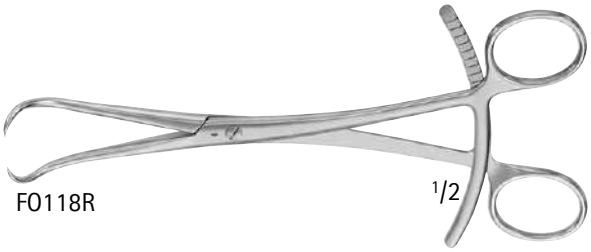
FORCEPS FOR MAXILLARY REPOSITION





Catalog Number	Length (in.)
FO117R	5 1/4

BONE REPOSITION FORCEPS, DOUBLE RATCHET

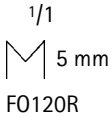




Catalog Number	Length (in.)
FO118R	8

BONE HOLDING FORCEPS





Catalog Number	Length (in.)
FO120R	7 7/8

ORTHOPEDICS/SPINE

Bone Holding Forceps

BONE REDUCTION FORCEPS

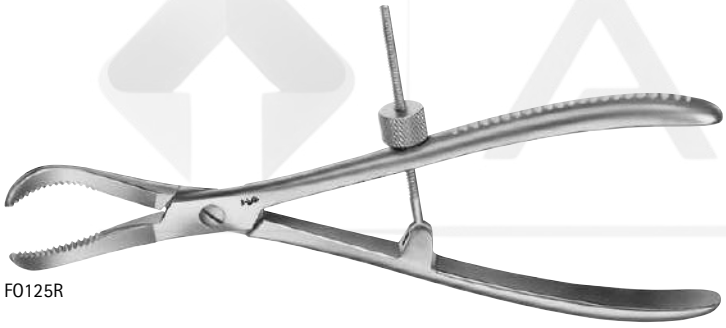

FO123R 1/2


1/1
FO123R

Catalog Number	Length (in.)
FO123R	5 1/2

BONE REDUCTION FORCEPS, W/ SCREW LOCK AND THREAD FIXATION


FO124R 1/2


FO125R 1/2

Catalog Number	Length (in.)
FO124R	6 3/4
FO125R	9 1/4

LANGENBECK BONE HOLDING FORCEPS


FO127R 1/2



1/1
FO127R

Catalog Number	Tip Size (mm)	Length (in.)
FO127R	11	8

FERGUSSON BONE HOLDING FORCEPS


FO130R 1/2



1/1
FO130R

Catalog Number	Tip Size (mm)	Length (in.)
FO130R	12	8

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ORTHOPEDICS/SPINE

Bone Holding Forceps

SEMB RIB/BONE HOLDING FORCEPS



FO135R



FO135R

Catalog Number	Tip Size (mm)	Item	Length (in.)
FO135R	8	W/O RATCHET	7 1/2
FO136R	8	W/ RATCHET	7 1/2



FO136R

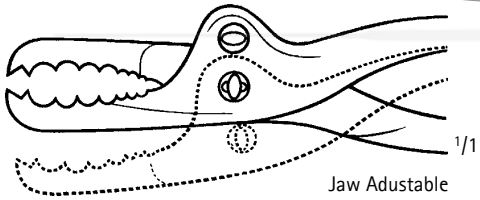


FO136R

FARABEUF BONE HOLDING FORCEPS



FO140R



Jaw Adustable



FO140R

Catalog Number	Tip Size (mm)	Length (in.)
FO140R	9	9
FO141R	11	10



FO141R



FO141R

ORTHOPEDICS/SPINE

Bone Holding Forceps





FO143R

FARABEUF-LAMBOTTE FORCEPS, W/ RATCHET

Catalog Number	Tip Size (mm)	Length (in.)
FO143R	11	10



KERN MINI BONE HOLDING FORCEPS, W/ RATCHET

Catalog Number	Tip Size (mm)	Length (in.)
FO148R	7.5	6 1/8



KERN-LANE BONE HOLDING FORCEPS

Catalog Number	Tip Size (mm)	Length (in.)
FO150R	9	9 1/2



KERN-LANE BONE HOLDING FORCEPS, W/ RATCHET

Catalog Number	Tip Size (mm)	Length (in.)
FO158R	9	9 1/2

ORTHOPEDICS/SPINE

Bone Holding Forceps

LANE BONE HOLDING FORCEPS

Catalog Number	Tip Size (mm)	Description	Length (in.)
FO151R	9	W/O RATCHET	13
FO159R	13	W/ RATCHET	12 1/2



FO151R

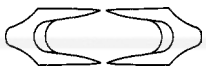


FO159R

PATELLA FORCEPS W/ SCREW LOCK



FO153R



FO153R

Catalog Number	Length (in.)
FO153R	7 1/4

LAMBOTTE BONE HOLDING FORCEPS, W/ MOVABLE JAW AND RATCHET



FO160R-FO162R



FO160R



FO161R



FO162R

Catalog Number	Tip Size (mm)	Length (in.)
FO160R	10	8 3/4
FO161R	13	10 1/4
FO162R	16	13

ORTHOPEDICS/SPINE

Bone Holding Forceps

SELF-CENTERING FORCEPS, W/ SCREW LOCK AND THREAD FIXATION



FO169R-FO173R

Catalog Number	Tip Size (mm)	Length (in.)
FO169R	3/3	5 3/4
FO170R	7 / 2.5	7 1/2
FO171R	10.5 / 3.5	9 1/2
FO172R	11 / 3.5	10 1/4
FO173R	11.5 / 4.5	10 3/4



FO169R



FO170R



FO171R



FO172R



FO173R

VERBRUGGE BONE FORCEPS



FO180R



FO180R

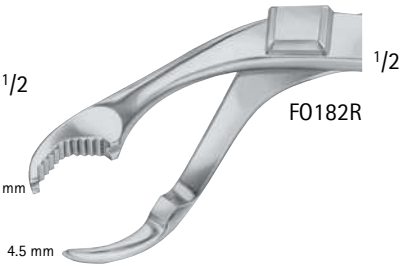
Catalog Number	Tip Size (mm)	Length (in.)
FO180R	5	6 7/8
FO181R	10 / 4.0	9 3/4
FO182R	11 / 4.5	10 1/2
FO183R	12 / 4.5	10 5/8



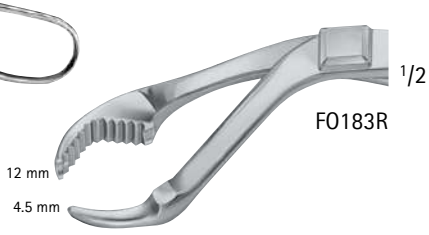
FO181R-FO183R



FO181R



FO182R



FO183R

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ORTHOPEDICS/SPINE

Bone Holding Forceps

LOWMAN BONE CLAMP



FO190R-FO191R

Catalog Number	Length (in.)
FO190R	6 7/8
FO191R	8

LOWMAN-GERSTER BONE CLAMP



FO192R

Catalog Number	Length (in.)
FO192R	8 1/4

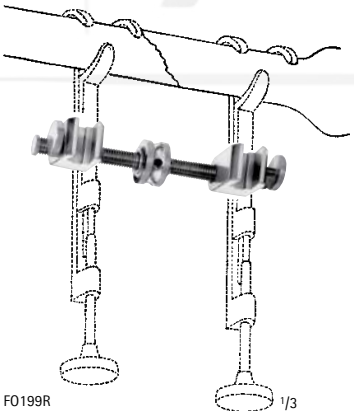
LOWMAN-HOGLUND BONE CLAMP



FO193R

Catalog Number	Length (in.)
FO193R	6 7/8

GERSTER TRACTION BAR F/FO190R-FO193R



FO199R

Catalog Number
FO199R

LEWIN BONE CLAMP

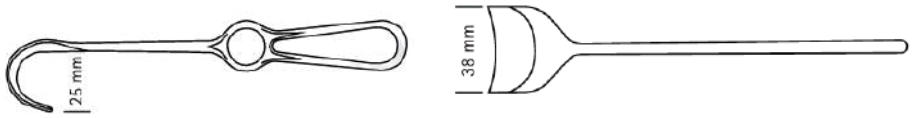


MD455

Catalog Number	Tip	Length (in.)
MD455	SERR	7

ORTHOPEDICS/SPINE

Retractors



Dimensions for blade size of retractors
1st number = depth
2nd number = width
Example: 25 x 38 mm

KNEE RETRACTOR



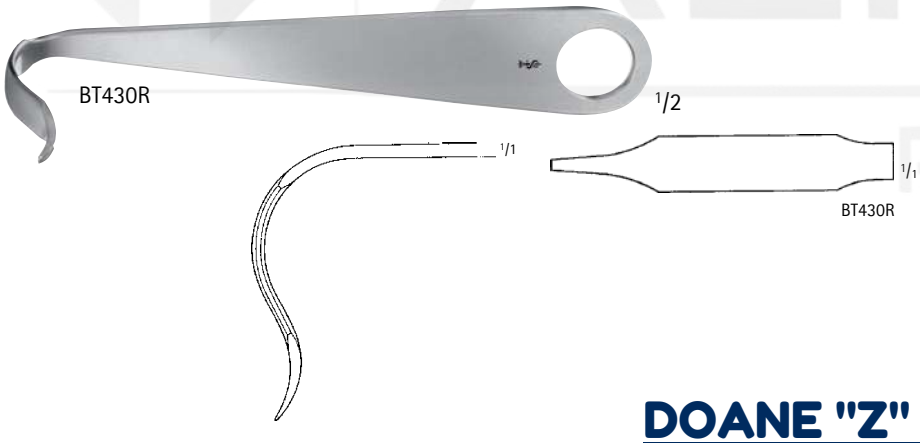
Catalog Number	Blade Size (mm)	Length (in.)
BT419R	39 x 9	8 7/8

BLOUNT KNEE RETRACTOR



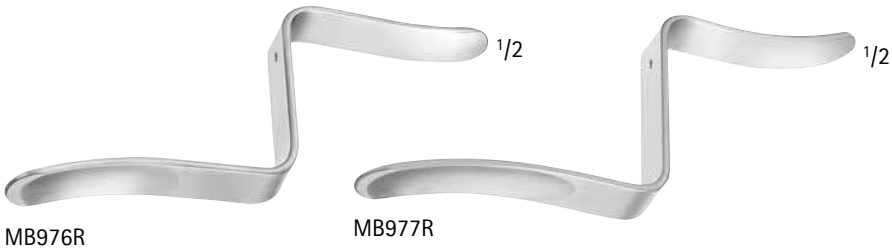
Catalog Number	Blade Size (mm)	Length (in.)
BT420R	40 x 4	6 7/8

KNEE RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
BT430R	56 x 10	6 3/4

DOANE "Z" KNEE RETRACTOR

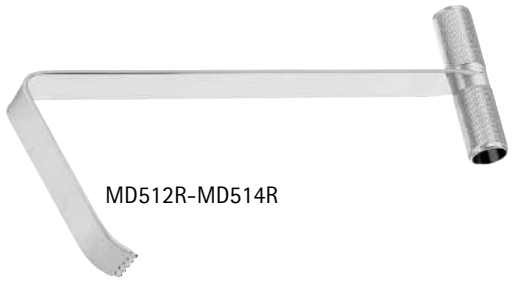


Catalog Number	Blade Size (mm)	Size
MB976R	55 x 75	MEDIUM
MB977R	66 x 80	LARGE

ORTHOPEDICS/SPINE

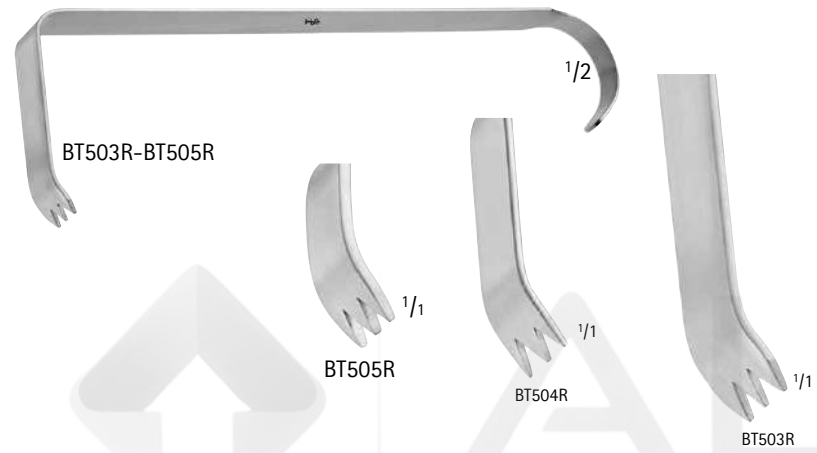
Retractors

T-HANDLE RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
MD512R	120 x 32	7
MD513R	120 x 32	11
MD514R	120 x 32	13

HIBBS RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
BT503R	25 x75	9 1/8
BT504R	20 x 50	9 1/8
BT505R	13 x 25	9 1/8

TAYLOR SPINAL RETRACTOR



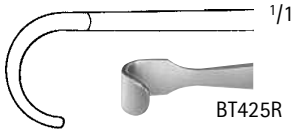
Catalog Number	Blade Size (mm)	Length (in.)
BT501R	30 x 70	7 1/4
BT502R	30 x 100	7 7/8

ORTHOPEDICS/SPINE

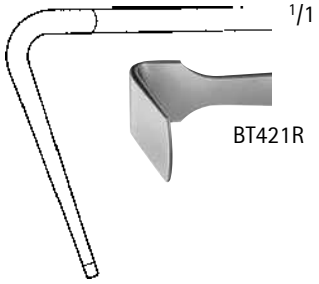
Retractors

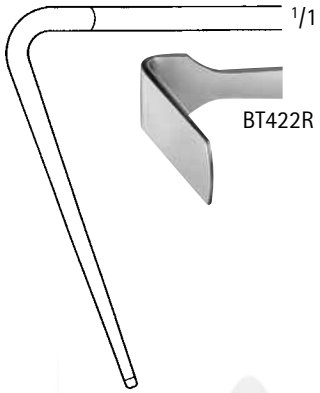
SMILLIE RETRACTOR

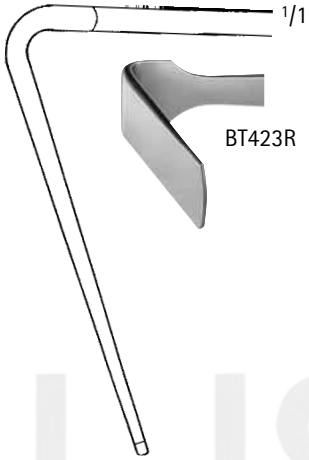


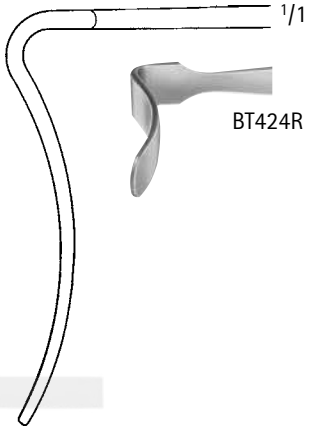


Catalog Number	Blade Size (mm)	Length (in.)
BT421R	32 x 19	5 1/2
BT422R	48 x 19	5 1/2
BT423R	57 x 19	5 1/2
BT424R	52 x 13	5 1/2
BT425R	12 x 13	5 1/2

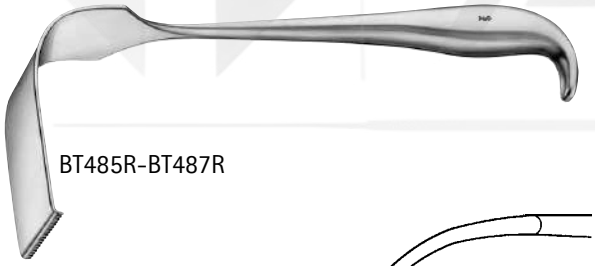




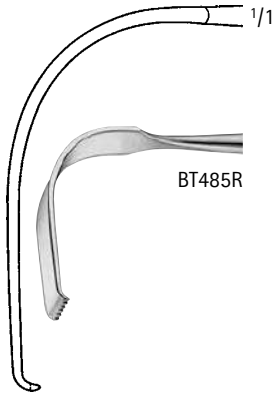


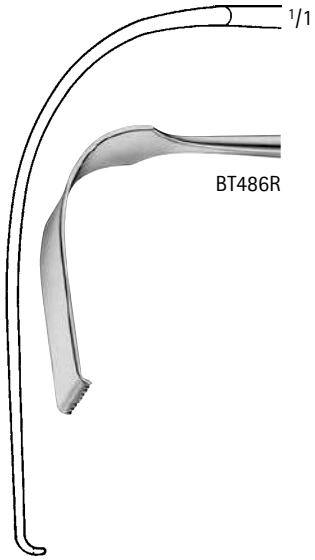


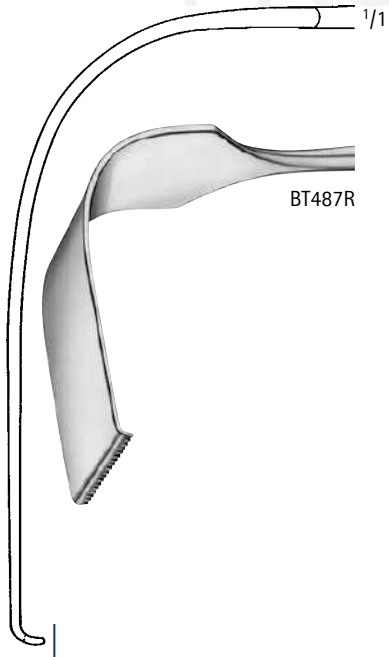
MEYERDING RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
BT485R	52 x 16	9
BT486R	76 x 25	9
BT487R	89 x 50	10





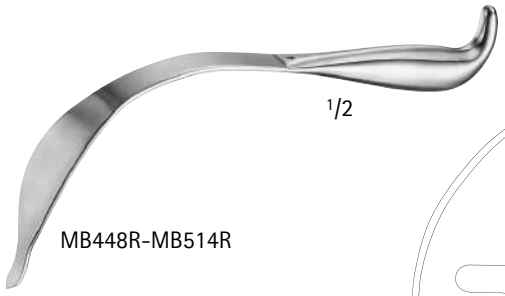


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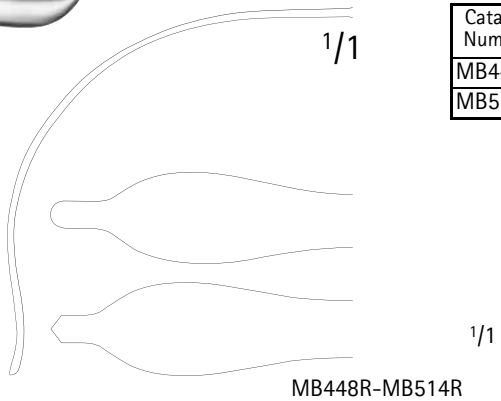
ORTHOPEDICS/SPINE

Retractors

AUFRANC COBRA RETRACTOR



MB448R-MB514R



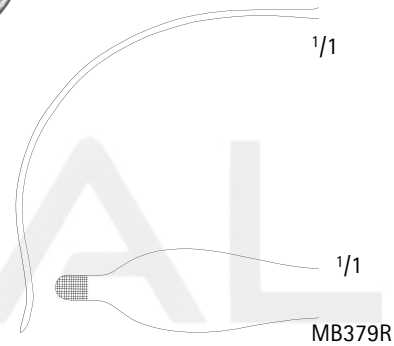
MB448R-MB514R

Catalog Number	Tip	Length (in.)
MB448R	SMOOTH, POINTED	10
MB514R	SMOOTH, BLUNT	10

AUFRANC COBRA RETRACTOR



MB379R



MB379R

Catalog Number	Tip	Length (in.)
MB379R	SERR, BLUNT	10

CLOWARD STYLE CERVICAL RETRACTOR W/ LIP



MF058R-MF060R

Catalog Number	Width (mm)	Length (in.)
MF058R	18	7
MF059R	20	7
MF060R	23	7

CLOWARD STYLE CERVICAL RETRACTOR W/O LIP



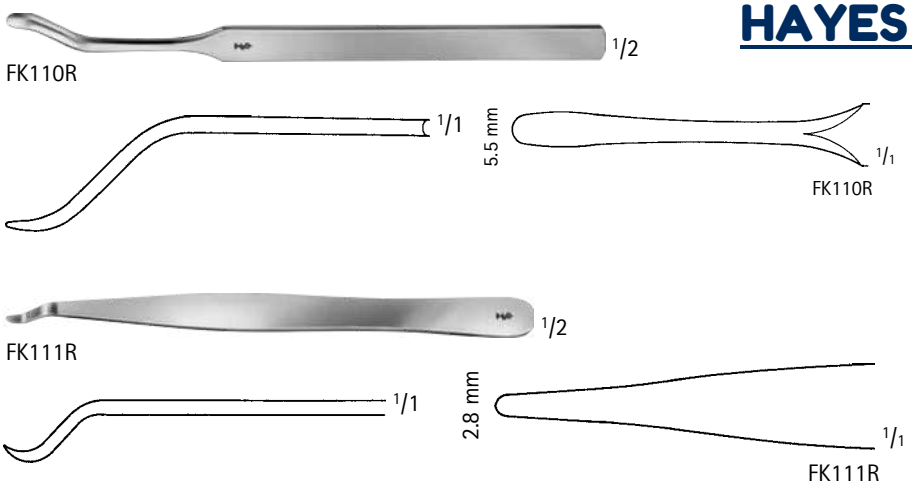
MN073R-MN075R

Catalog Number	Width (mm)	Length (in.)
MN073R	18	7
MN074R	20	7
MN075R	23	7

ORTHOPEDICS/SPINE

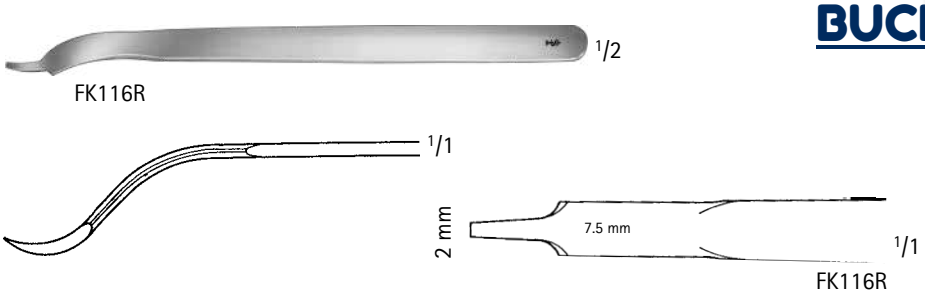
Retractors

HAYES BONE RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
FK110R	5.5	6 1/8
FK111R	2.8	5 1/2
FK113R	4.5	6
FK114R	7	6

BUCK-GRAMCKO BONE RETRACTOR

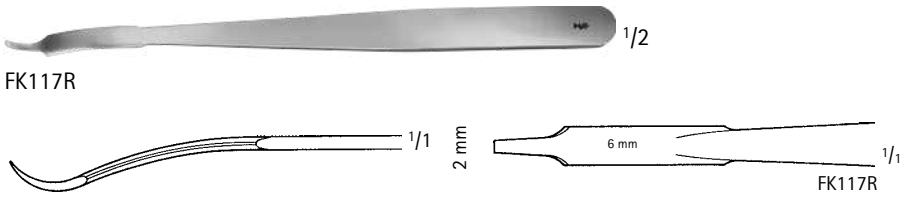


Catalog Number	Blade Size (mm)	Length (in.)
FK116R	2/7.5	6

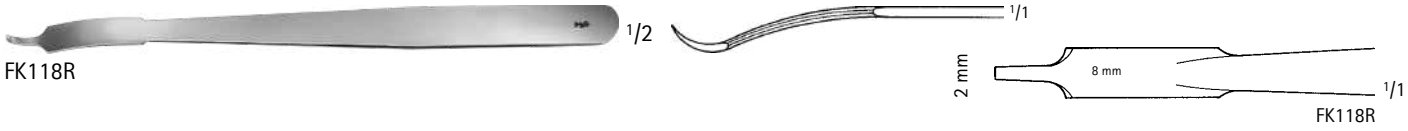
ORTHOPEDICS/SPINE

Retractors

HOHMANN BONE RETRACTOR

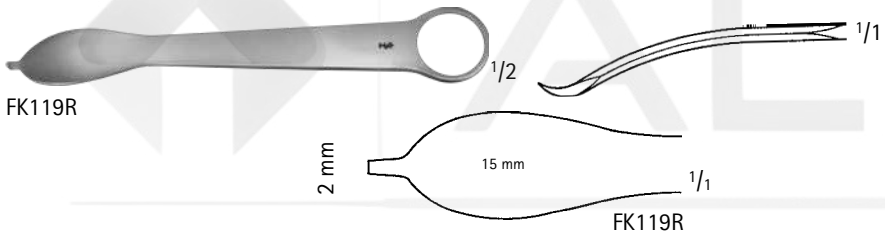


Catalog Number	Blade Size (mm)	Length (in.)
FK117R	2/6	6 1/4
FK118R	2/8	6 1/4
MB449R	2/15	6



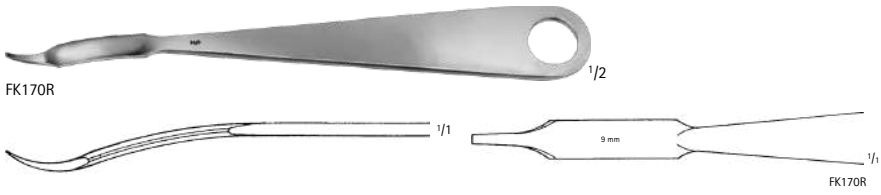


BABY HOHMANN RETRACTOR

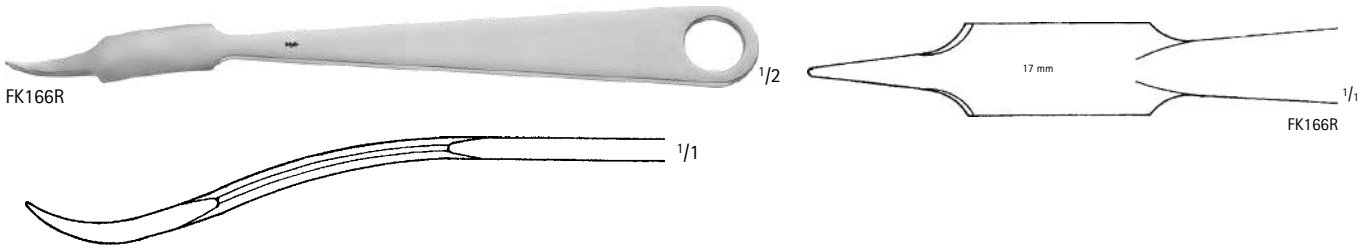


Catalog Number	Blade Size (mm)	Length (in.)
FK119R	2/15	5

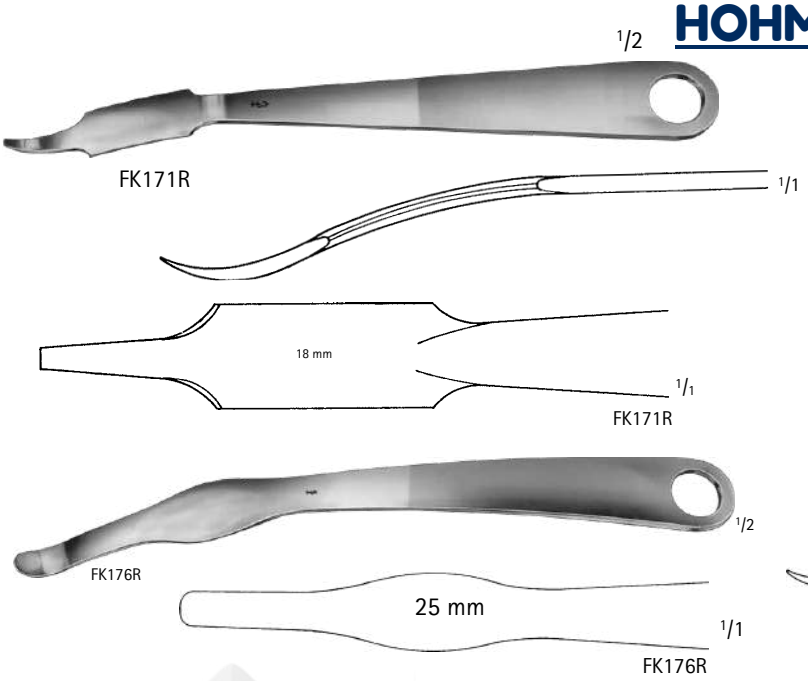
HOHMANN BONE RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
FK170R	9	8 3/4
FK166R	17	9 1/2



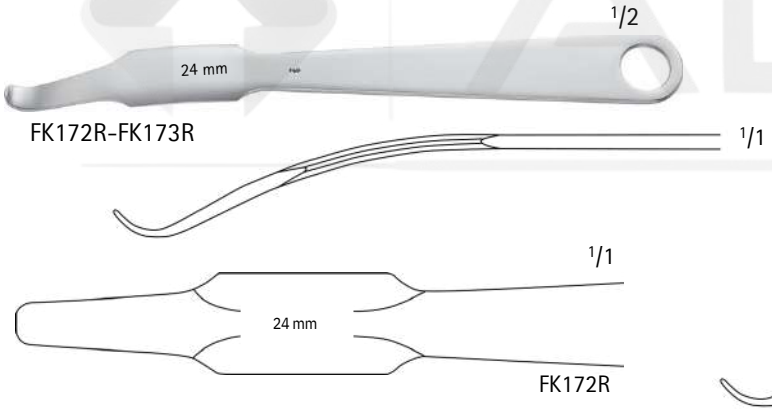
HOHMANN BONE RETRACTOR (CONTINUED)



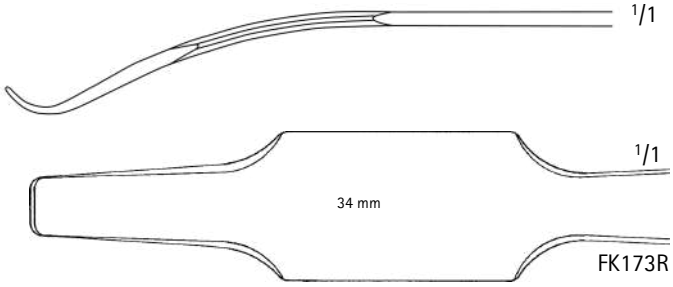
Catalog Number	Blade Size (mm)	Length (in.)
FK171R	18	9 1/2
FK176R	25	10 5/8



HOHMANN BONE RETRACTOR (CONTINUED)



Catalog Number	Blade Size (mm)	Length (in.)
FK172R	24	10 1/4
FK173R	34	11 1/4



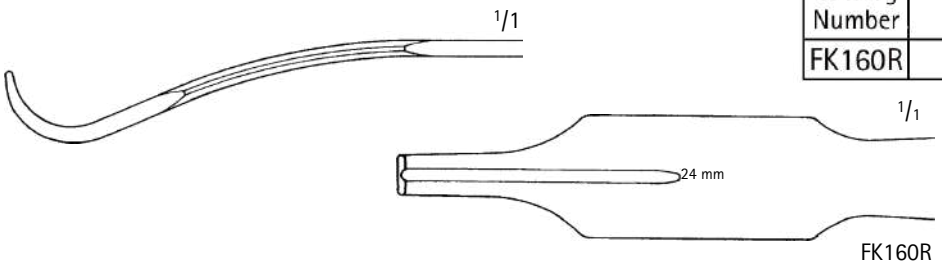
ORTHOPEDICS/SPINE

Retractors

LANGE-HOHMANN BONE RETRACTOR



FK160R



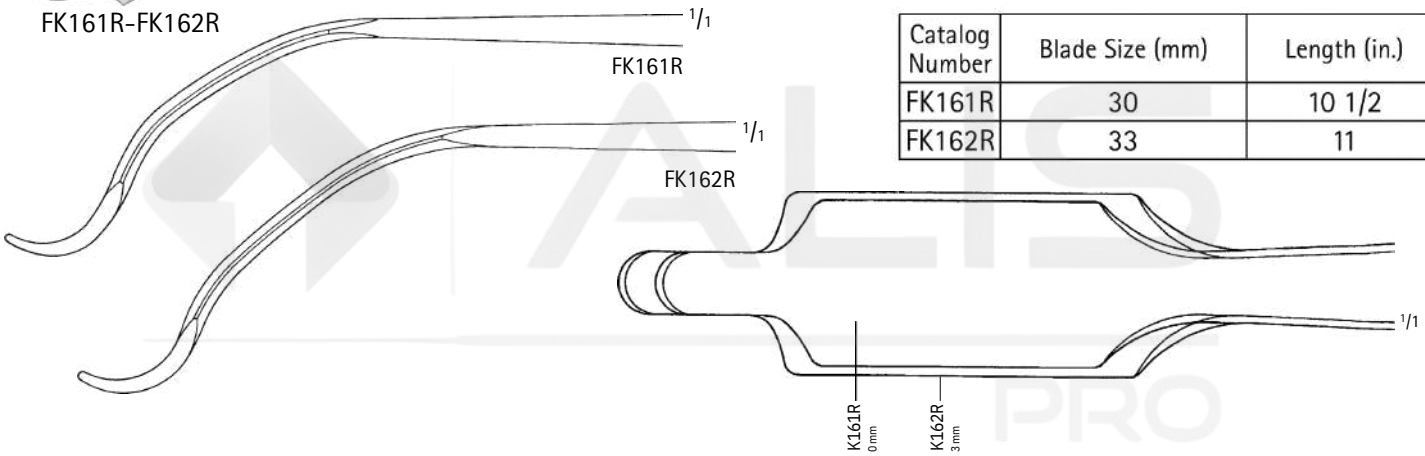
FK160R

Catalog Number	Blade Size (mm)	Length (in.)
FK160R	24	9 3/4

LANGE-HOHMANN BONE RETRACTOR (CONTINUED)



FK161R-FK162R

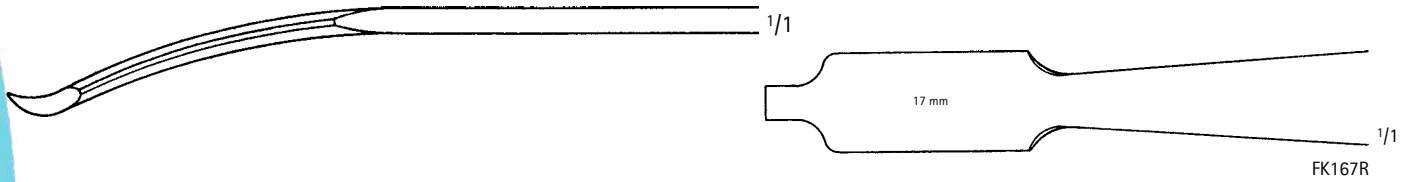


Catalog Number	Blade Size (mm)	Length (in.)
FK161R	30	10 1/2
FK162R	33	11

HOHMANN (WAGNER) HUMORAL HEAD RETRACTOR



FK167R



FK167R

Catalog Number	Blade Size (mm)	Length (in.)
FK167R	17	8 3/4

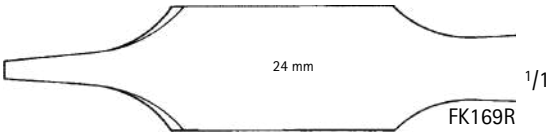
ORTHOPEDICS/SPINE

Retractors

HOHMANN (ALDINGER) BONE RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
FK169R	24	10 5/8



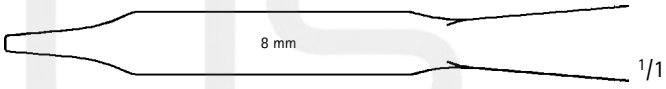
HOHMANN BONE RETRACTOR



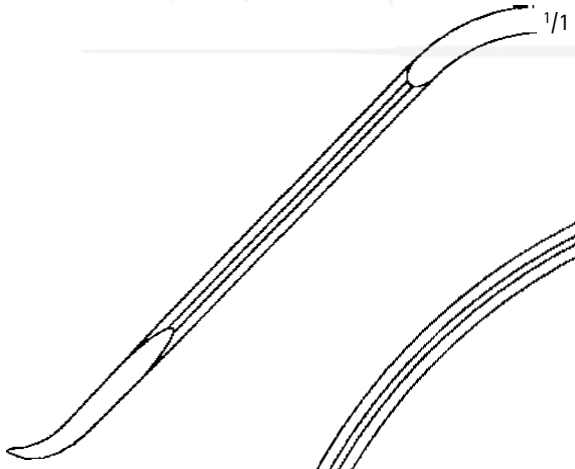
FK185R-FK187R

Catalog Number	Blade Size (mm)	Length (in.)
FK185R	8	8 3/4
FK186R	15	9 3/4
FK187R	22	11 3/4



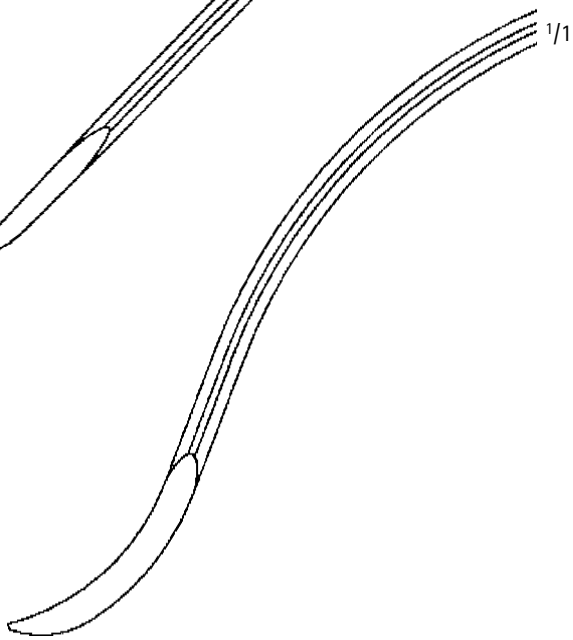


FK185R





FK186R



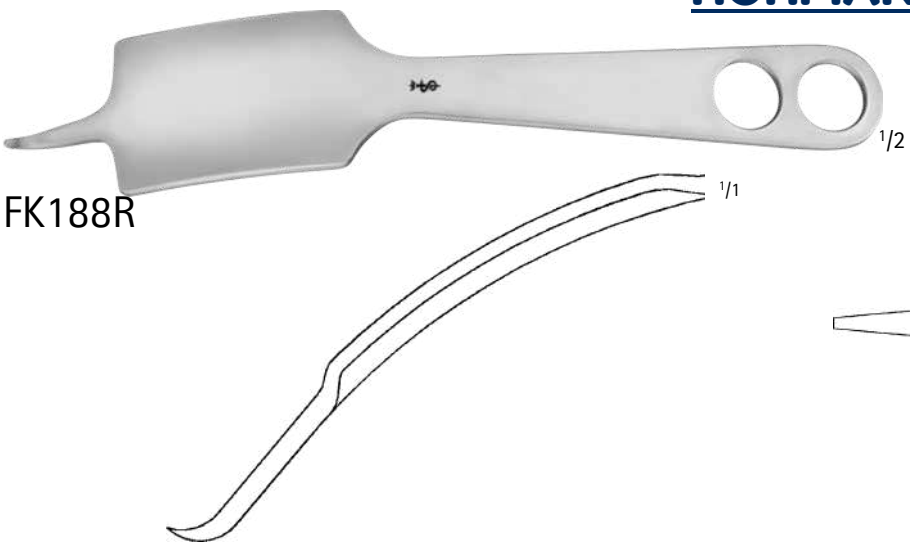


FK187R

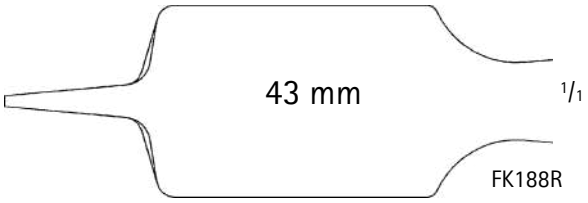
ORTHOPEDICS/SPINE

Retractors

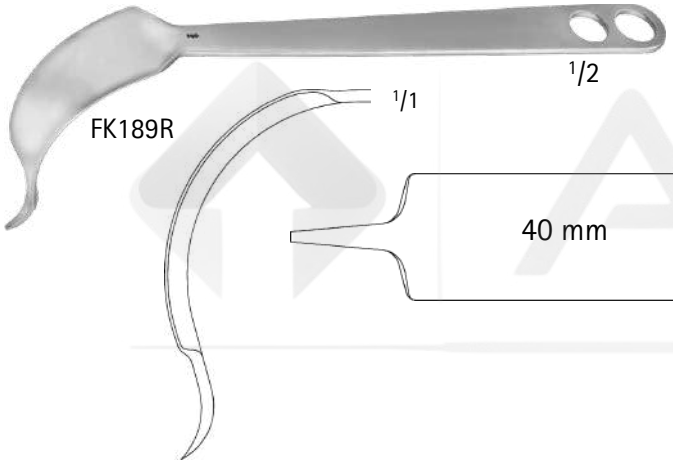
HOHMANN BONE RETRACTOR (CONTINUED)



Catalog Number	Blade Size (mm)	Length (in.)
FK188R	43	9



HOHMANN BONE RETRACTOR (CONTINUED)



Catalog Number	Blade Size (mm)	Length (in.)
FK189R	40	11 1/2

SCHUMACHER MODI ED WAGNER BONE RETRACTOR





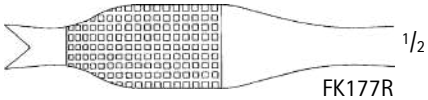
Catalog Number	Blade Size (mm)	Length (in.)
FK168R	37	14

SCHUMACHER BONE RETRACTOR





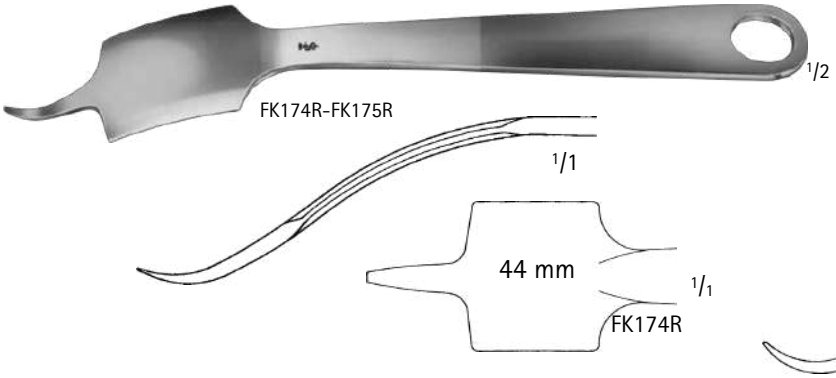
Catalog Number	Blade Size (mm)	Length (in.)
FK177R	35	11 1/2



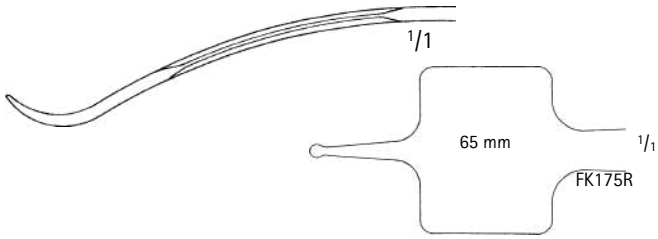
ORTHOPEDICS/SPINE

Retractors

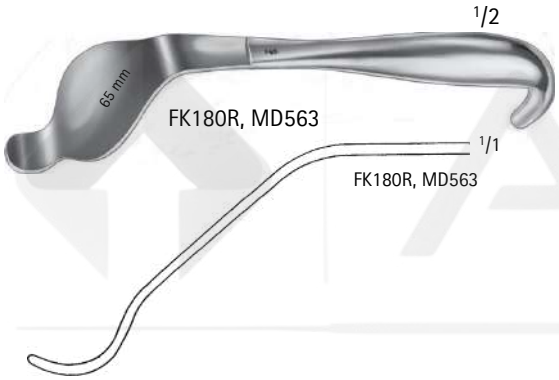
VERBRUGGE-MÜLLER BONE RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
FK174R	44	9 1/2
FK175R	65	10

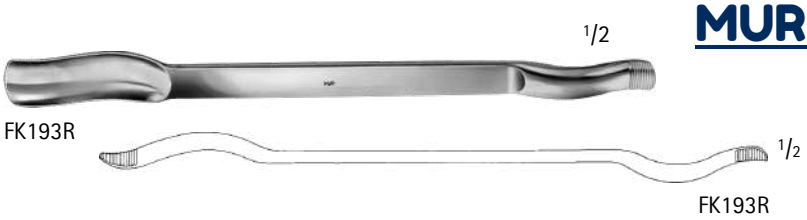


BENNETT BONE RETRACTOR



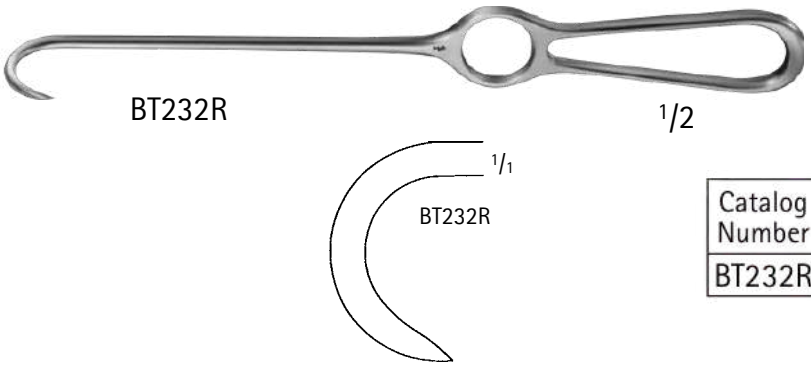
Catalog Number	Blade Size (mm)	Length (in.)
FK180R	65	9 1/2
MD563	44	9 1/2

MURPHY-LANE BONE SKID



Catalog Number	Blade Size (mm)	Length (in.)
FK193R	18 / 30	11 3/4

BONE HOOK



Catalog Number	Tip	Blade End	Length (in.)
BT232R	SHARP	1 PRONG	9 5/8

ORTHOPEDICS/SPINE

Retractors

KOCHER BONE HOOK

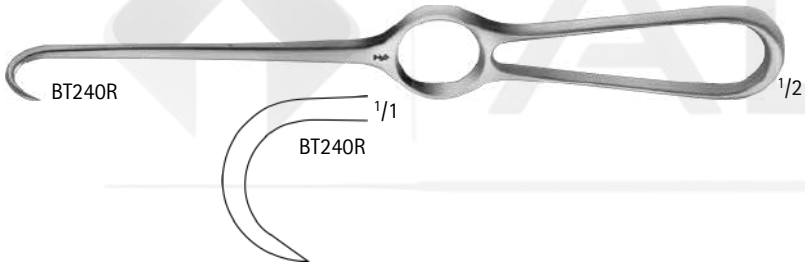


Catalog Number	Tip	Blade End	Length (in.)
BT234R	SHARP	1 PRONG	8
BT238R	SHARP	1 PRONG	8 3/4
BT239R	BLUNT	1 PRONG	8 3/4





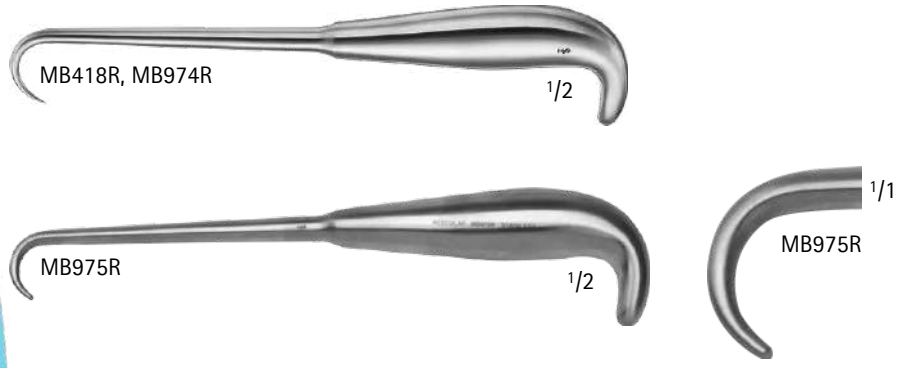
VOLKMANN BONE HOOK



Catalog Number	Tip	Blade End	Length (in.)
BT240R	SHARP	1 PRONG	8 3/4
BT241R	BLUNT	1 PRONG	8 3/4



BONE HOOKS



Catalog Number	Tip	Diameter (mm)	Length (in.)
MB974R	SHARP	19	9
MB975R	BLUNT	19	9
MB418R	SHARP	30	9

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ORTHOPEDICS/SPINE

Retractors

ANDERSON-ADSON RETRACTOR



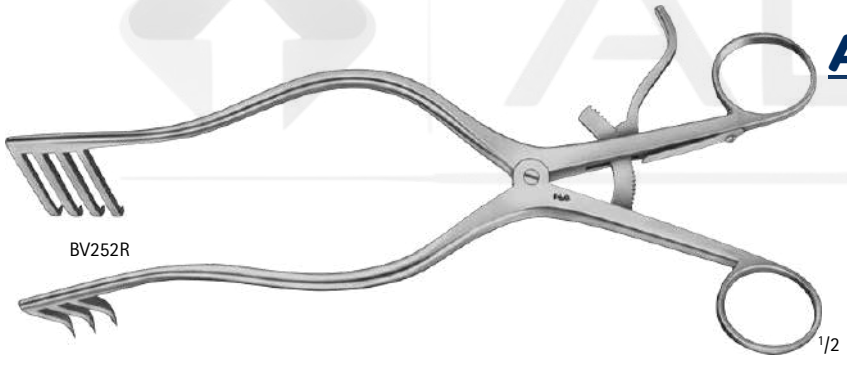
Catalog Number	Tip	Blade End	Length (in.)
BV250R	SHARP	4 x 4 PRONGS	7 1/2

NORFOLK-NORWICH RETRACTOR



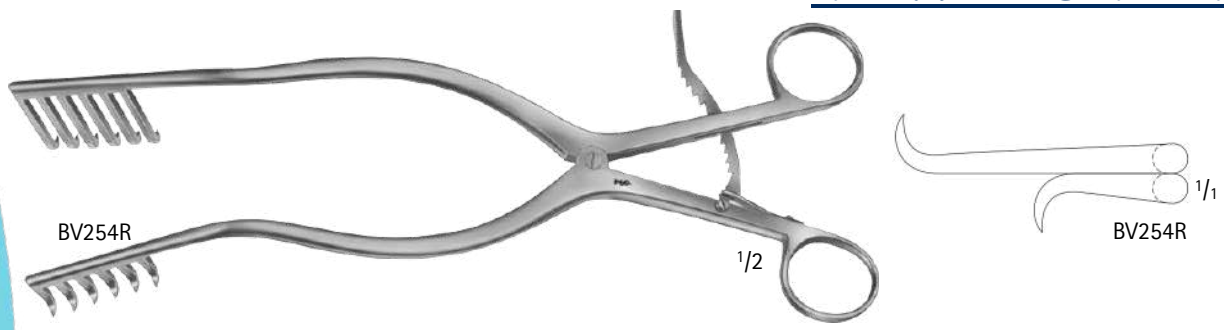
Catalog Number	Tip	Blade End	Length (in.)
BV248R	BLUNT	4 x 5 PRONGS	8 3/4

ADSON SELF RETAINING RETRACTOR



Catalog Number	Tip	Blade End	Length (in.)
BV252R	SHARP	3 x 4 PRONGS	10 1/2

LAMINECTOMY SELF RETAINING RETRACTOR



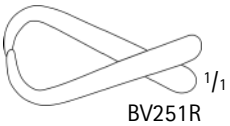
ORTHOPEDICS/SPINE

Retractors

ADSON SELF RETAINING RETRACTOR, HINGED

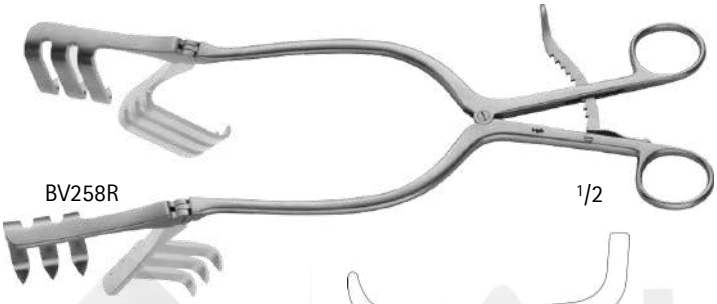


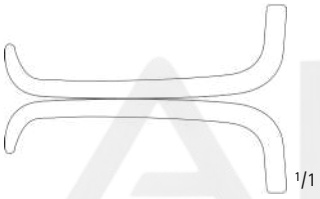
Catalog Number	Tip	Blade End	Length (in.)
BV251R	SEMI-S	4 x 4 PRONGS	8 1/2



BV251R

HARVEY-JACKSON RETRACTOR, HINGED



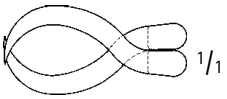


BV258R

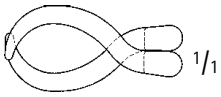
Catalog Number	Tip	Blade End	Length (in.)
BV258R	SHARP	3 x 3 PRONGS	11 3/4

BECKMANN-ADSON RETRACTOR, HINGED





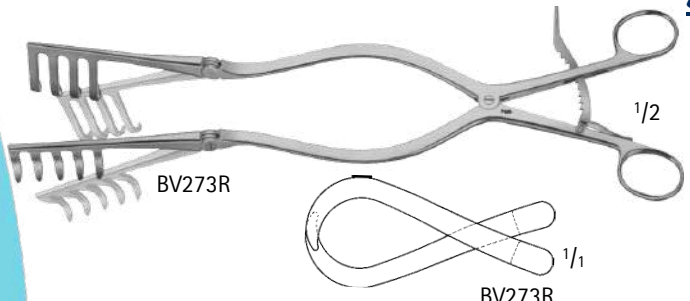
BV271R



BV272R

Catalog Number	Tip	Blade End	Length (in.)
BV271R	SEMI-S	4 x 4 PRONGS	12 1/4
BV272R	SHARP	4 x 4 PRONGS	12 1/4

ADSON RETRACTOR, HINGED

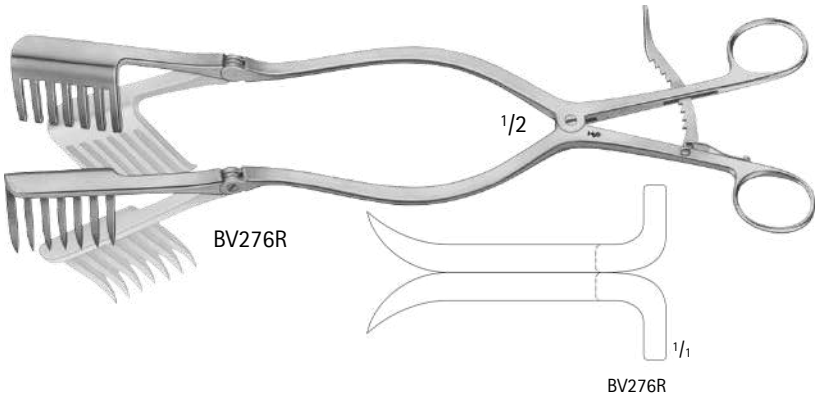


Catalog Number	Tip	Blade End	Length (in.)
BV273R	SEMI-S	5 x 4 PRONGS	12 1/2

ORTHOPEDICS/SPINE

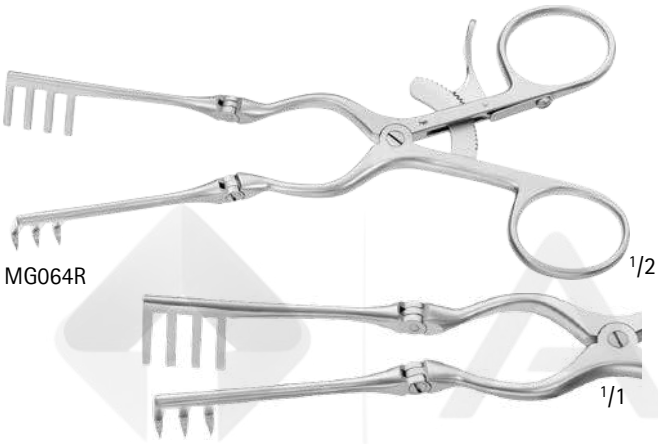
Retractors

BECKMANN RETRACTOR, HINGED

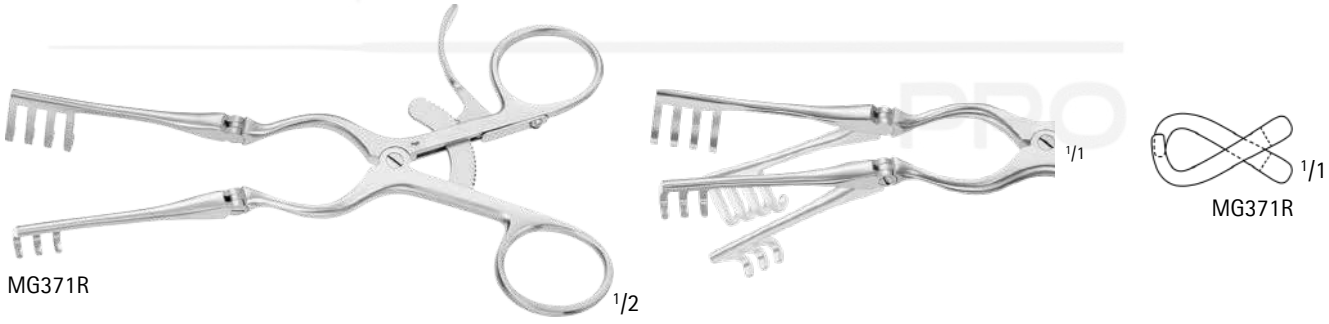


Catalog Number	Tip	Blade End	Length (in.)
BV276R	SHARP	7 x 7 PRONGS	12 1/2

BECKMANN RETRACTOR, HINGED (CONTINUED)



Catalog Number	Tip	Blade End	Length (in.)
MG064R	SHARP	3 x 4 PRONGS	6 1/2
MG371R	BLUNT	3 x 4 PRONGS	6 1/4



MISKIMON CEREBELLUM RETRACTOR

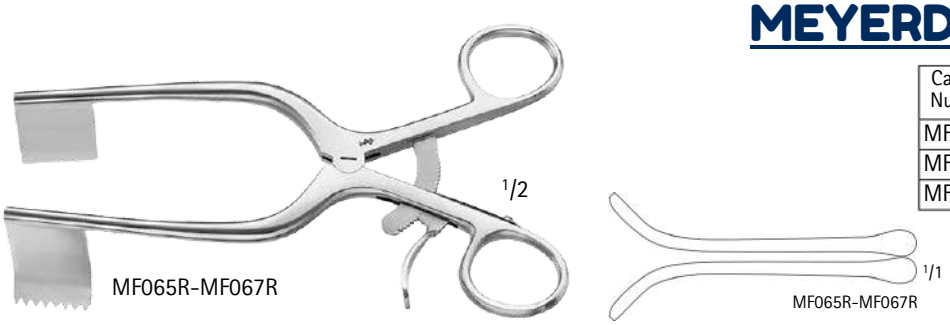


Catalog Number	Tip	Blade End	Length (in.)
MF061R	SEMI-S	7 x 7 PRONGS	7 1/2

ORTHOPEDICS/SPINE

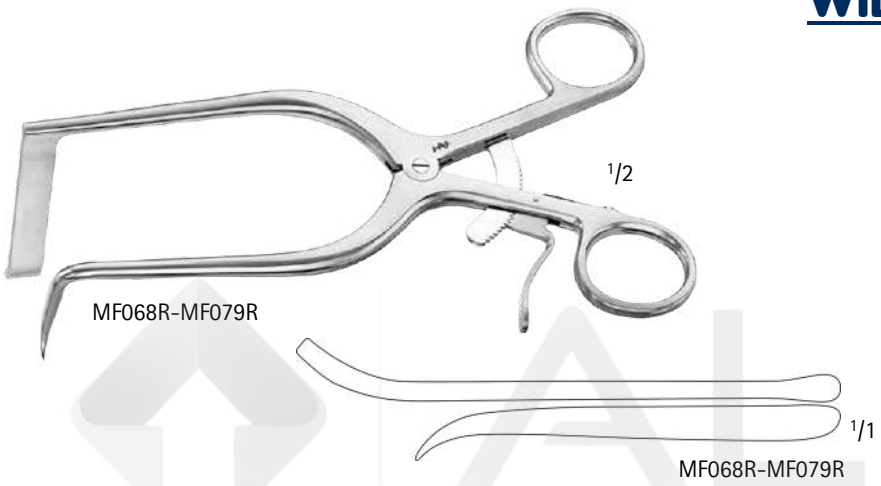
Retractors

MEYERDING RETRACTOR



Catalog Number	Blade Size (mm)	Length (in.)
MF065R	25 x 57	6 1/2
MF066R	25 x 51	6 1/2
MF067R	25 x 31	6 1/2

WILLIAMS RETRACTOR



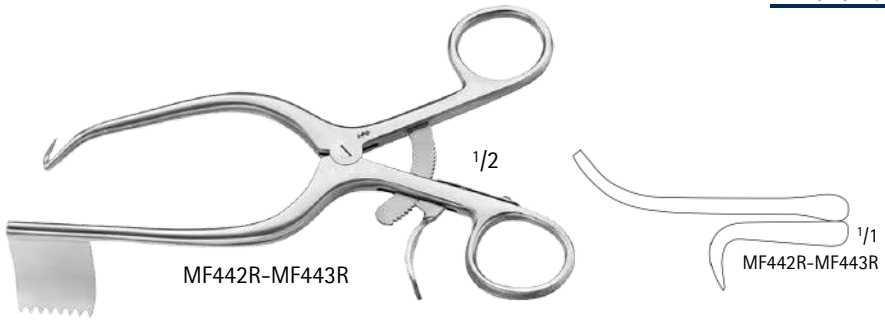
Catalog Number	Tip	Blade Size (mm)	Length (in.)
MF068R	BLADE LEFT	10 x 50	7
MF069R	BLADE RIGHT	10 x 50	7
MF070R	BLADE LEFT	10 x 60	7
MF071R	BLADE RIGHT	10 x 60	7
MF072R	BLADE LEFT	10 x 70	7
MF073R	BLADE RIGHT	10 x 70	7
MF074R	BLADE LEFT	20 x 50	7
MF075R	BLADE RIGHT	20 x 50	7
MF076R	BLADE LEFT	20 x 60	7
MF077R	BLADE RIGHT	20 x 60	7
MF078R	BLADE LEFT	20 x 70	7
MF079R	BLADE RIGHT	20 x 70	7

DUCKER RETRACTOR



Catalog Number	Tip	Blade Size (mm)	Length (in.)
MF329R	HOOK LEFT	50 x 20	6 3/4
MF330R	HOOK RIGHT	50 x 20	6 3/4
MF331R	HOOK LEFT	70 x 20	6 3/4
MF332R	HOOK RIGHT	70 x 20	6 3/4

MARKHAM-MEYERDING RETRACTOR



Catalog Number	Tip	Blade Size (mm)	Length (in.)
MF442R	BLADE RIGHT	46 x 26	7 1/2
MF443R	BLADE LEFT	46 x 26	7 1/2

ORTHOPEDICS/SPINE

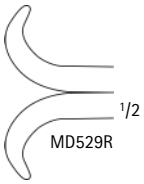
Retractors



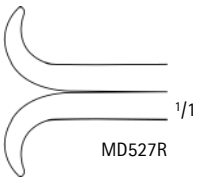
MD529R-MD530R

ZELPI-TYPE RETRACTOR, DEEP BLADE

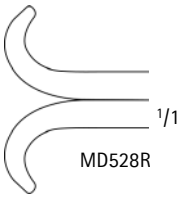
Catalog Number	Tip	Depth (in.)
MD529R	ANG 45°	3
MD527R	ANG 90°	3
MD528R	ANG 90°	4
MD530R	ANG 90°	5



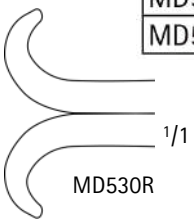
MD529R



MD527R



MD528R



MD530R

ORTHOPEDICS/SPINE

Retractors and Spreaders



BV296R

CLOWARD LAMINA SPREADER

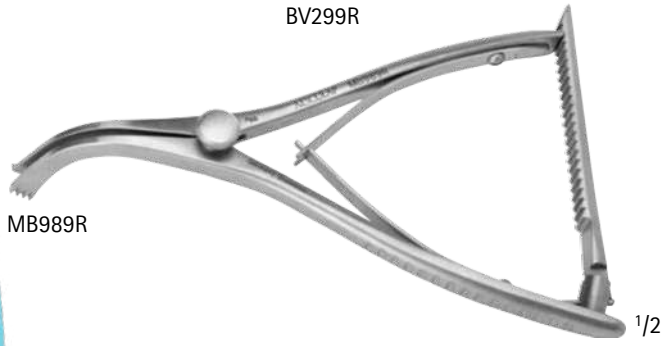
Catalog Number	Tip	Tip Size (mm)	Length (in.)
BV296R	SERR OUTER	5.0	6 1/8



BV299R

CLOWARD LAMINA SPREADER

Catalog Number	Tip	Tip Size (mm)	Length (in.)
BV299R	SERR	4.5	5 1/4



MB989R

INGE LAMINA SPREADER

Catalog Number	Tip	Length (in.)
MB989R	TOOTHED	6 1/2

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ORTHOPEDICS/SPINE

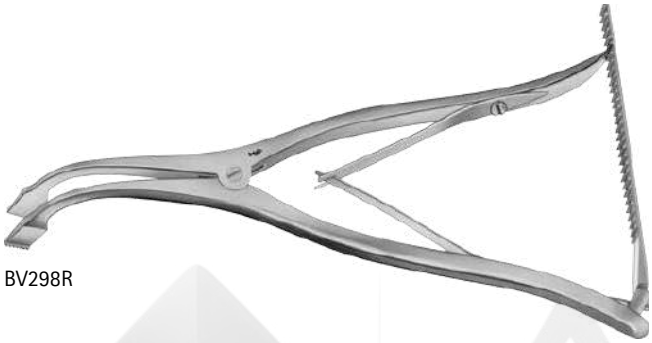
Retractors and Spreaders



BV297R 1/2

INGE LAMINA SPREADER

Catalog Number	Tip	Tip Size (mm)	Length (in.)
BV297R	SERR	6.0	6 3/4



BV298R 1/3

INGE LAMINA SPREADER

Catalog Number	Tip	Tip Size (mm)	Length (in.)
BV298R	TOOTHED	12.0	10 3/4

ORTHOPEDICS/SPINE

Retractors



Aesculap Ball Snap System on Spreaders and Blades

Advantages:

- Blades are safely locked without additional xation, preventing them from detaching when the instrument is passed to the surgeon. In addition, the smooth surface minimizes the risk of catching a suture.
- Blades can be quickly exchanged during the operation.
- Di erent retractor patterns can be combined and exchanged at random, which allows for optimum selection of the blade size according to surgical needs.



BV510R

SCOVILLE-RICHTER LAMINECTOMY RETRACTOR, REVERSIBLE

Catalog Number	Description
BV510R	COMPLETE

BV510R Includes:
1 Retractor BV509R and
1 Pair of blades BV516R
The retractor bar and shanks rotate 180°

ORTHOPEDICS/SPINE

Retractors





BV517R



BV516R



BV518R



BV519R

SCOVILLE-RICHTER RETRACTOR BLADE

Catalog Number	Blade Size (mm)
BV516R	62 x 52 AND 62 x 37, PAIR
BV517R	47 x 51
BV518R	30 x 40
BV519R	37 x 62

- Complete retraction system consisting of a retractor body, various blade con gurations, and storage tray. Designed to enable less invasive spine procedures such as discectomies and decompressions.
- Unique organization system enables easy storage and retrieval of desired blade.
- Sturdy design provides rigid retraction even at large opening widths.

All retractor components are titanium. Blade designs improve visualization and intra-operative imaging.

For more information see our brochure number **DOC658.**

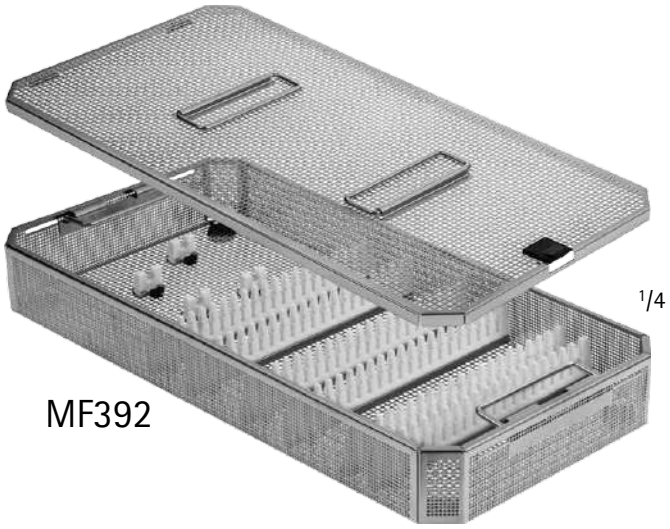
MF393 Includes:
1 Hinged Titanium Retractor Frame MF365T
2 Wide Blades, 40 mm MF368T
2 Wide Blades, 50 mm MF369T
2 Wide Blades, 60 mm MF370T
2 Wide Blades, 70 mm MF371T
2 Narrow Blades, 40 mm MF375T
2 Narrow Blades, 50 mm MF376T
2 Narrow Blades, 60 mm MF377T
2 Narrow Blades, 70 mm MF378T
1 Storage Tray MF392
1 Hook Blade, 30 mm MF381T
1 Hook Blade, 40 mm MF382T
1 Hook Blade, 50 mm MF383T
1 Hook Blade, 60 mm MF384T
1 Toothed Blade, 30 mm MF387T
1 Toothed Blade, 40 mm MF388T
1 Toothed Blade, 50 mm MF389T
1 Toothed Blade, 60 mm MF390T

SPINE RETRACTOR SYSTEM

Catalog Number
MF393

ORTHOPEDICS/SPINE

Retractors



MF392 1/4

STORAGE TRAY FOR SPINE RETRACTOR SYSTEM

Catalog Number
MF392

The storage tray will t into Aesculap's full size container for sterilization.

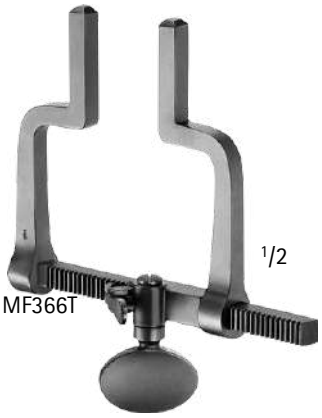
For more information about Aesculap's SterilContainter System see our brochure number **DOC132.**



MF365T 1/2

TITANIUM RETRACTOR FRAME, HINGED

Catalog Number
MF365T



MF366T 1/2

TITANIUM RETRACTOR FRAME, RIGID

Catalog Number
MF366T

ORTHOPEDICS/SPINE

Retractors

TITANIUM RETRACTOR BLADE, WIDE



1/1

MF367T-MF373T

Catalog Number	Blade Size (mm)
MF367T	27 x 30
MF368T	27 x 40
MF369T	27 x 50
MF370T	27 x 60
MF371T	27 x 70
MF372T	27 x 80
MF373T	27 x 90

TITANIUM RETRACTOR BLADE, NARROW



1/1

MF374T-MF380T

Catalog Number	Blade Size (mm)
MF374T	20 x 30
MF375T	20 x 40
MF376T	20 x 50
MF377T	20 x 60
MF378T	20 x 70
MF379T	20 x 80
MF380T	20 x 90

TITANIUM RETRACTOR HOOK



1/1

MF381T-MF386T

Catalog Number	Length (mm)
MF381T	30
MF382T	40
MF383T	50
MF384T	60
MF385T	70
MF386T	80

TITANIUM TOOTHED BLADES



1/1

MF387T-MF391T

Catalog Number	Length (mm)
MF387T	30
MF388T	40
MF389T	50
MF390T	60
MF391T	70

ORTHOPEDICS/SPINE

Retractors

CHARNLEY INITIAL INCISION RETRACTOR



MB191R-MG081R

MB191R includes:
1 frame
1 small retractor blade (MB156R)
1 large retractor blade (MB157R)
1 weight w/ chain (3 lbs.)

Catalog Number	Description	Blade	Size	Blade Size (mm)
MB191R	SET COMPLETE	-	-	-
MB156R	INDIVIDUAL BLADE	SMALL	STANDARD DEPTH	25 x 38
MB177R	INDIVIDUAL BLADE	SMALL	MEDIUM DEPTH	25 x 75
MB192R	INDIVIDUAL BLADE	SMALL	LONG DEPTH	25 x 127
MB157R	INDIVIDUAL BLADE	LARGE	STANDARD DEPTH	25 x 44
MB178R	INDIVIDUAL BLADE	LARGE	MEDIUM DEPTH	25 x 75
MB193R	INDIVIDUAL BLADE	LARGE	LONG DEPTH	25 x 127
MG081R	WEIGHT AND CHAIN REPLACEMENT FOR MB191R	-	-	-

ORTHOPEDICS/SPINE

Rasps



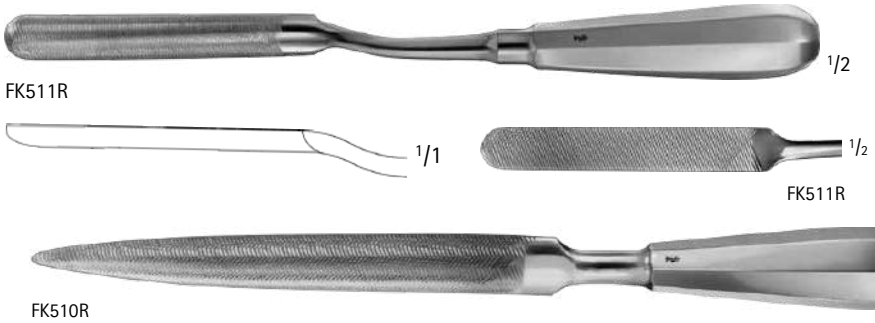
FK507R

FK507R

BONE FILE/RASP

Catalog Number	Tip Size (mm)	Length (in.)
FK507R	20	8 3/4

One Side File Cut
One Side Rasp Cut



FK511R

FK511R

FK510R

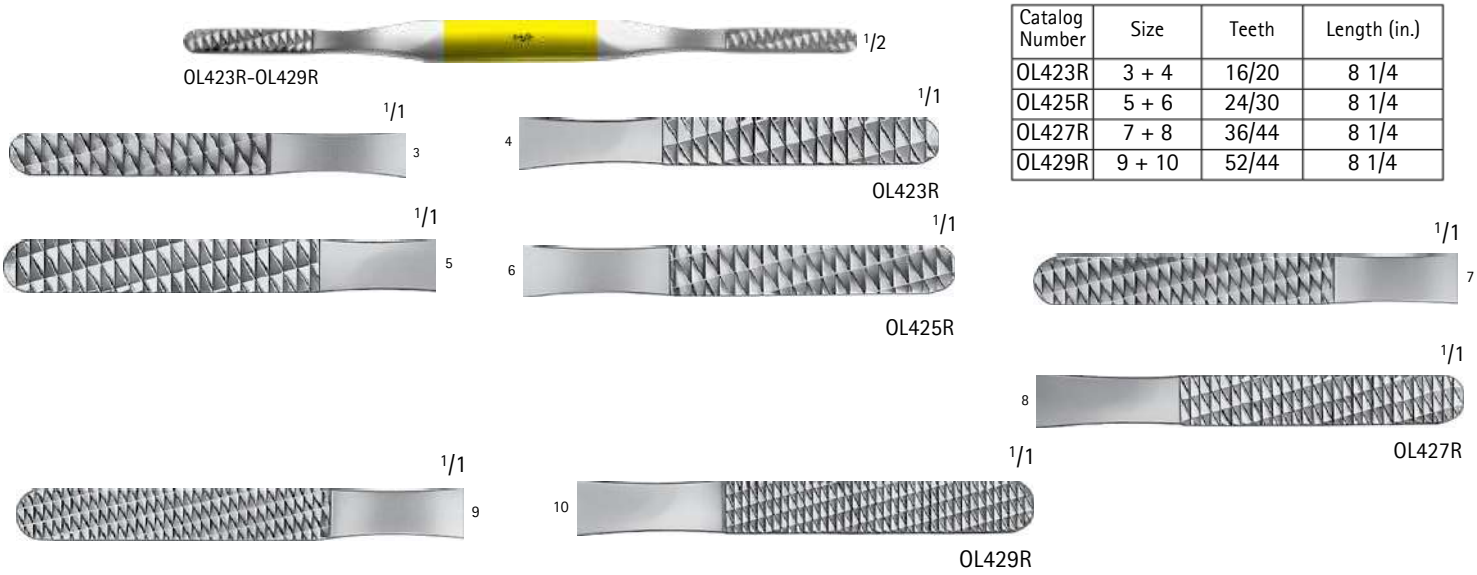
BONE FILE

Catalog Number	Tip Size (mm)	Length (in.)
FK511R	13	9 1/2
FK510R	20	11 5/8

ORTHOPEDICS/SPINE

Retractors

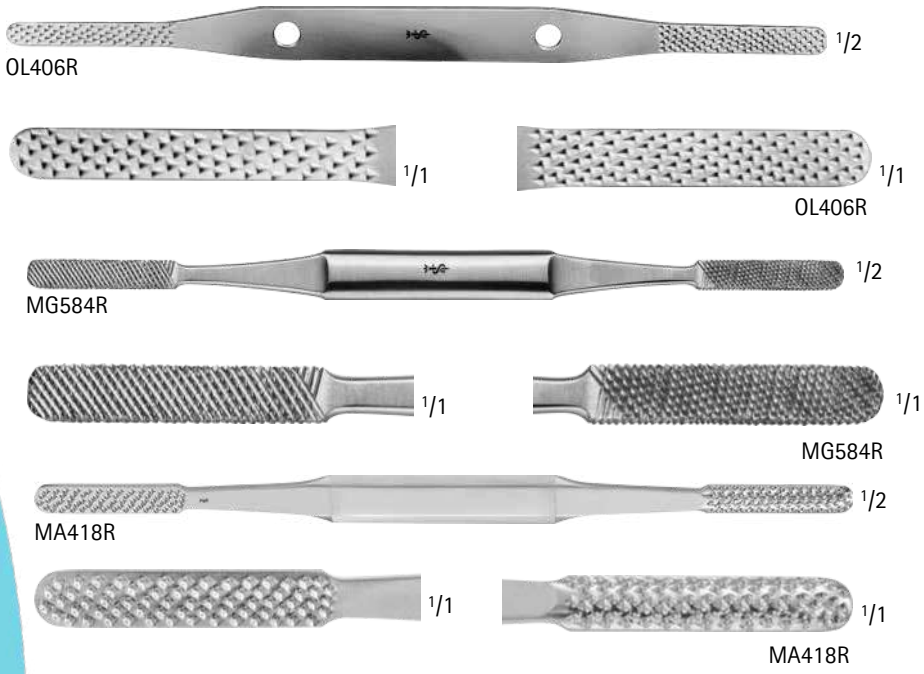
ALIS PROTC FOMON RASP, DOUBLE ENDED



Catalog Number	Size	Teeth	Length (in.)
OL423R	3 + 4	16/20	8 1/4
OL425R	5 + 6	24/30	8 1/4
OL427R	7 + 8	36/44	8 1/4
OL429R	9 + 10	52/44	8 1/4



FOMON BONE RASP, DOUBLE ENDED



Catalog Number	Tip Size (mm)	Tip	Length (in.)
OL405R	6.5 / 7.5	X-SERR Fine/Coarse	8 1/2
OL406R	6.5 / 7.5	Fine/Coarse	8 1/2
MG584R	8/8	FLAT, CONVEX FINE, COARSE	8 1/2
MA418R	7.5 / 7.5	Coarse/ Xtra-Coarse	8 3/8

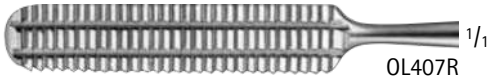
ORTHOPEDICS/SPINE

Retractors

MALTZ BONE RASP



OL407R



OL407R



MA419R



MA420R

Catalog Number	Tip Size (mm)	Tip	Length (in.)
OL407R	9	DOWN-STROKE	6 1/2
MA419R	33	DOWN-STROKE	6 1/2
MA420R	33	UP STROKE	6 1/2

LEWIS BONE RASP



OL408R-OL409R





OL408R



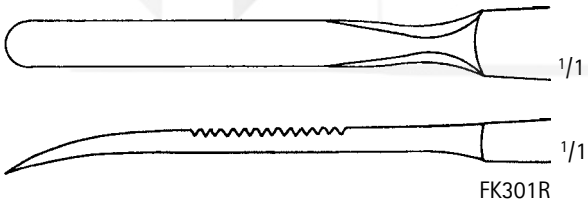
OL409R

Catalog Number	Tip	Tip Size (mm)	Length (in.)
OL408R	FINE-SERR DOWN-STROKE	8	6 7/8
OL409R	COARSE-SERR DOWN-STROKE	8	6 7/8

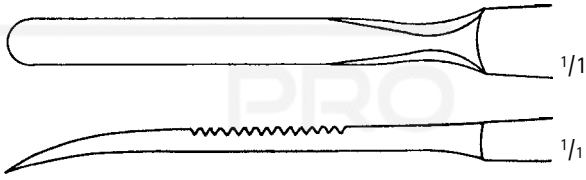
BONE RASPATORY



FK301R-FK302R



FK301R



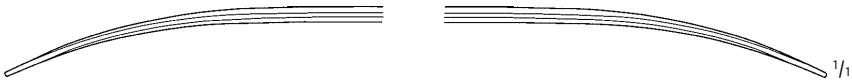
FK302R

Catalog Number	Blade Size (mm)	Length (in.)
FK301R	6	6 1/2
FK302R	8	6 1/2

PUTTI BONE FILE, DOUBLE ENDED



FK505R



FK505R

Catalog Number	Tip Size (mm)	Length (in.)
FK505R	18/20	10 5/8

ORTHOPEDICS/SPINE

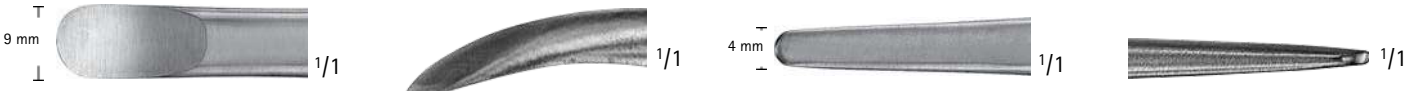
Elevators and Bone Levers

SAYRE PERIOSTEAL ELEVATOR



MB816R-MB817R

Catalog Number	Tip	Length (in.)
MB816R	SHARP	6 3/4
MB817R	BLUNT	6 3/4



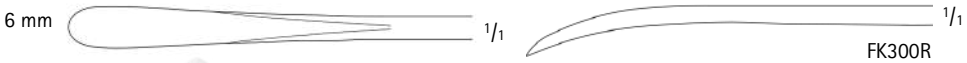
MB816R-MB817R

WILLIGER BONE ELEVATOR



FK300R

Catalog Number	Blade Size (mm)	Length (in.)
FK300R	6	6 1/4



FK300R

ADSON ELEVATOR

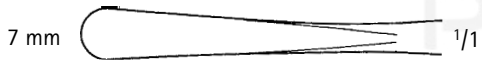


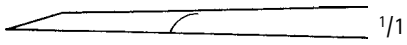
FK306R-FK309R

Catalog Number	Tip	Blade Size (mm)	Blade	Length (in.)
FK306R	SHARP	8	STR	6 3/4
FK308R	SEMI-S	7	STR	6 3/4
FK307R	BLUNT	7	CVD	6 3/4
FK309R	SHARP	7	CVD	6 3/4







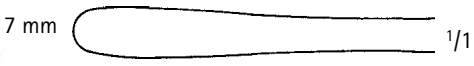


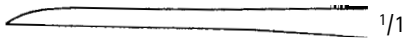
FK306R



FK307R

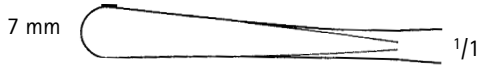


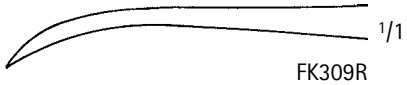




FK308R







FK309R

ORTHOPEDICS/SPINE

Elevators and Bone Levers

MCGLAMRY METATARSAL ELEVATORS



MB978R-MB981R





MB978R



MB979R



MB981R



MB980R

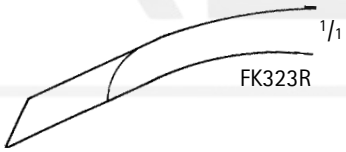
Catalog Number	Blade Size (mm)	Length (in.)
MB978R	11	6 1/2
MB979R	13	6 1/2
MB980R	15	6 1/2
MB981R	17	6 1/2

ELEVATOR W/ PEEK HANDLE



FK323R





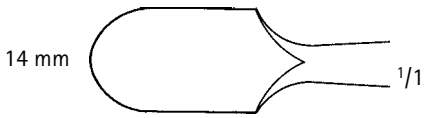
FK323R

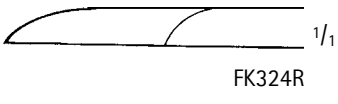
Catalog Number	Tip	Blade Size (mm)	Blade	Length (in.)
FK323R	SHARP	13	CVD	6 7/8

ELEVATOR W/ PEEK HANDLE



FK324R





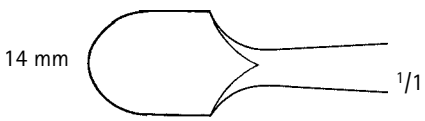
FK324R

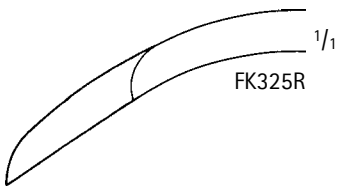
Catalog Number	Tip	Blade Size (mm)	Blade	Length (in.)
FK324R	SHARP	14	STR	7 1/2

ELEVATOR W/ PEEK HANDLE



FK325R





FK325R

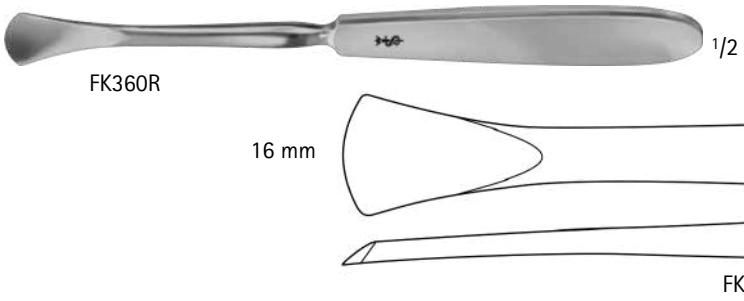
Catalog Number	Tip	Blade Size (mm)	Blade	Length (in.)
FK325R	SHARP	14	CVD	7

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ORTHOPEDICS/SPINE

Elevators and Bone Levers

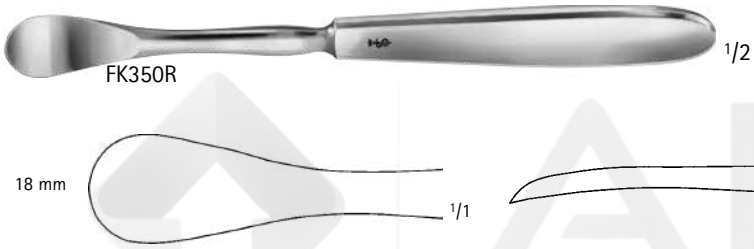
LANGENBECK PERIOSTEAL ELEVATOR



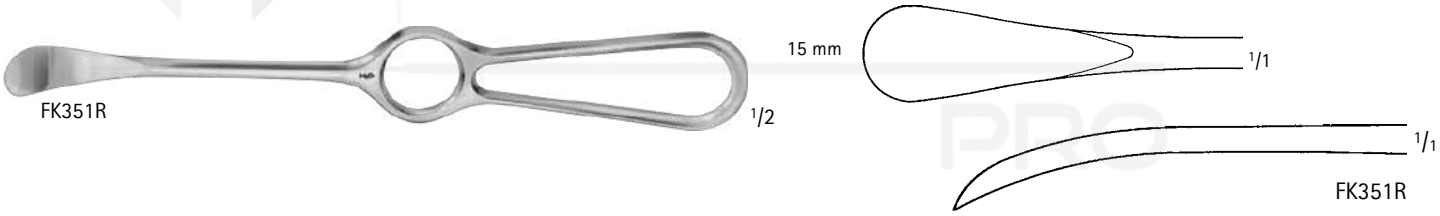
Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK360R	16	STR	7 1/2
MB279R	17	STR	7 3/4



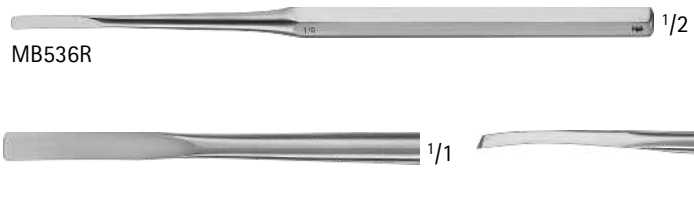
SEDILLOT ELEVATOR



Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK350R	18	STR	7 1/4
FK351R	15	CVD	8 1/2



KEY PERIOSTEAL ELEVATOR



Catalog Number	Blade Size (mm)	Length (in.)
MB536R	3.1	6 3/4

KEY ELEVATOR

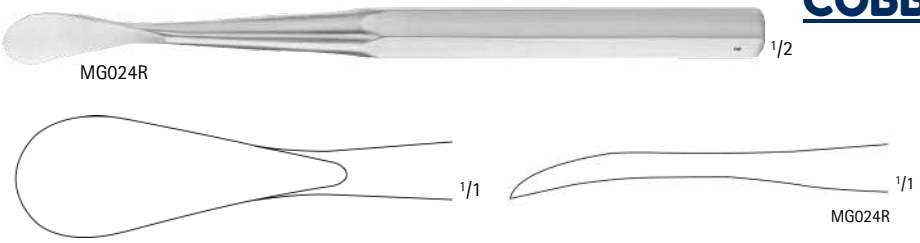


Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK410R	6.4	STR	7
FK411R	9.5	STR	7 1/2
FK412R	12.7	STR	7 1/2
FK413R	19	STR	7 7/8
FK414R	25.4	STR	8 1/4

ORTHOPEDICS/SPINE

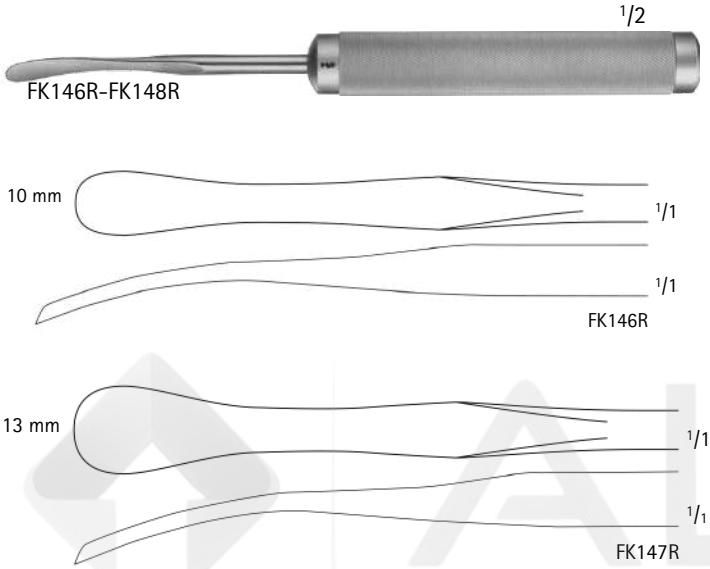
Elevators and Bone Levers

COBB ELEVATOR, ROUND



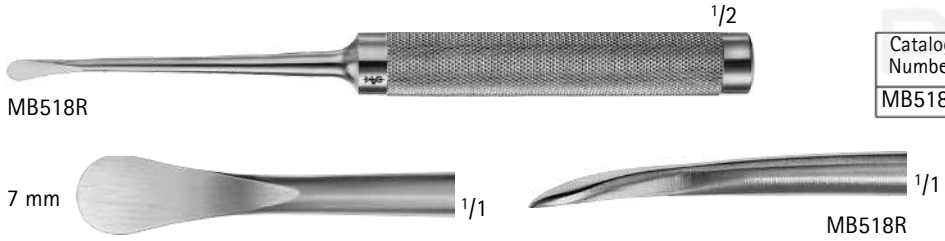
Catalog Number	Blade Size (mm)	Blade	Length (in.)
MG024R	19	CVD	9 1/2

COBB ELEVATOR, SHARP



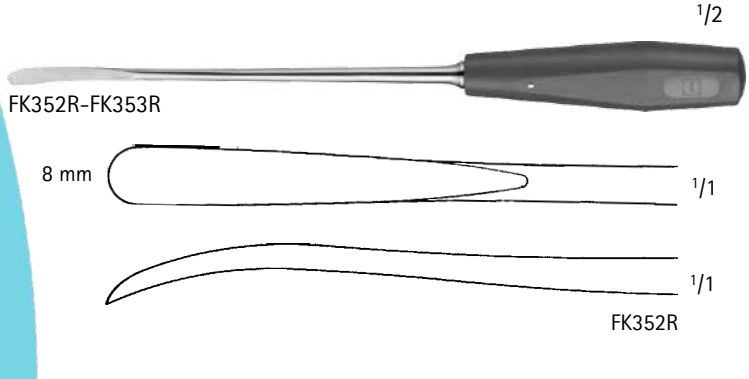
Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK146R	10	CVD	11
FK147R	13	CVD	11
FK148R	19	CVD	11

COBB PERIOSTEAL ELEVATOR, ROUND

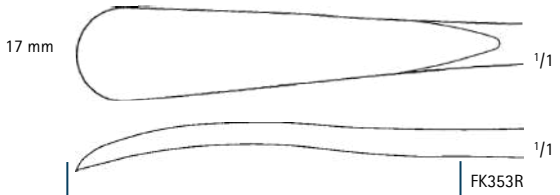


Catalog Number	Blade Size (mm)	Blade	Length (in.)
MB518R	7	CVD	12

WAGNER ELEVATOR W/ PEEK HANDLE



Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK352R	8	CVD	13
FK353R	17	CVD	13



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ORTHOPEDICS/SPINE

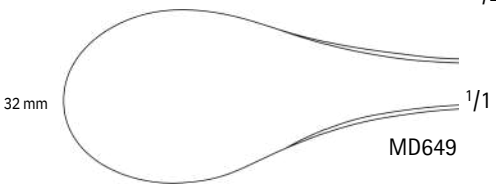
Elevators and Bone Levers



MD645-MD649 1/2



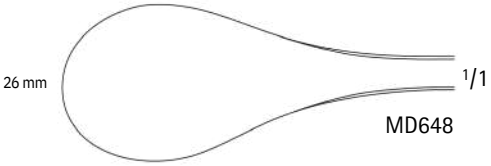
MD645



MD649



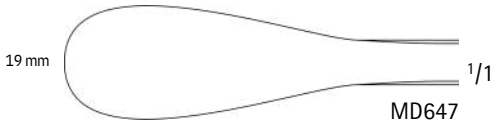
MD646



MD648

COBB ELEVATOR

Catalog Number	Blade Size (mm)	Blade	Length (in.)
MD645	10	ROUND	11
MD646	13	ROUND	11
MD647	19	ROUND	11
MD648	26	ROUND	11
MD649	32	ROUND	11



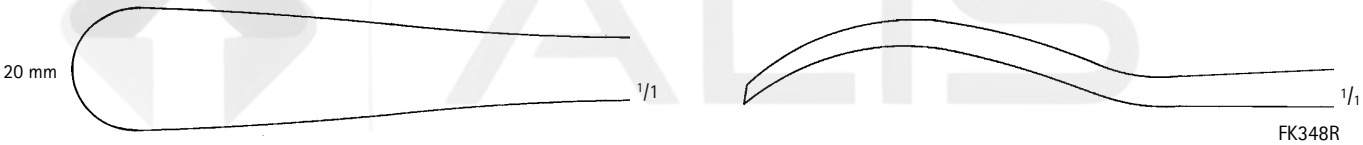
MD647



FK348R 1/2

ELEVATOR W/ PEEK HANDLE

Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK348R	20	CVD	11 1/2



FK348R



FK120R 1/2



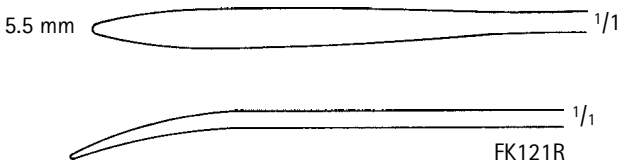
FK120R

WILLIGER ELEVATOR

Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK120R	5	CVD	6 1/2
FK121R	5.5	CVD	6 3/4



FK121R 1/2



FK121R

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ORTHOPEDICS/SPINE

Elevators and Bone Levers

ALIS PRO

BLACK HANDLED ELEVATOR

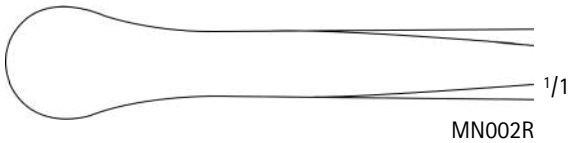


MN001R-MN006R

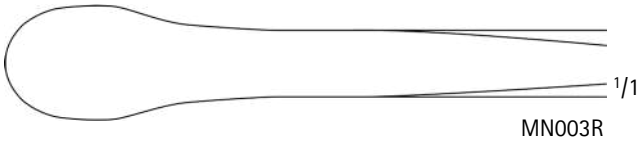
Catalog Number	Tip Size (mm)	Handle	Length (in.)
MN001R	10	8 1/2	13 1/4
MN002R	15	8 1/2	13 1/4
MN003R	20	8 1/2	13 1/4
MN004R	25	8 1/2	13 1/4
MN005R	30	8 1/2	13 1/4
MN006R	35	8 1/2	13 1/4
MN007R	9	9	15
MN008R	13	9	15
MN009R	19	9	15
MN010R	25	9	15
MN011R	32	9	15



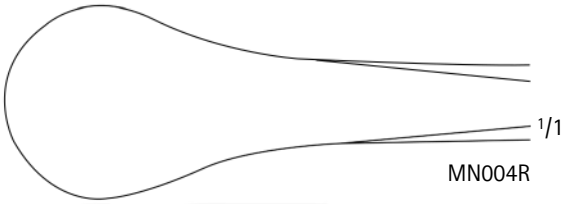
MN001R



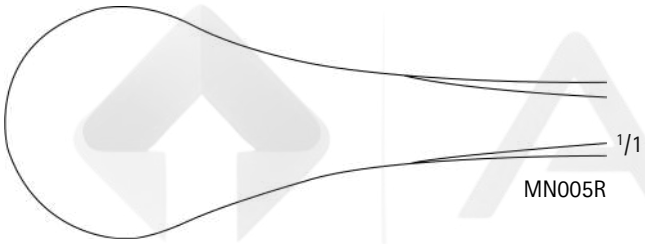
MN002R



MN003R



MN004R



MN005R



MN006R



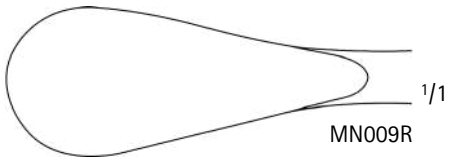
MN007R-MN011R



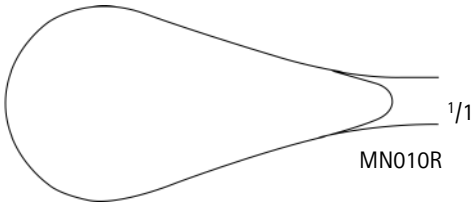
MN007R



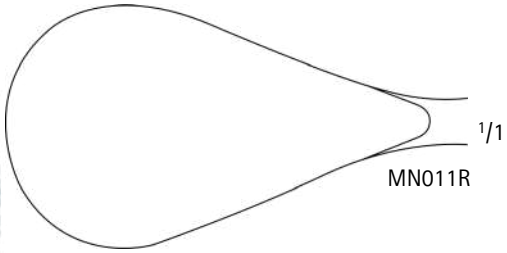
MN008R



MN009R



MN010R



MN011R

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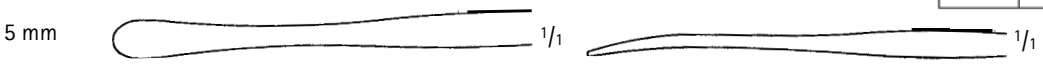
ORTHOPEDICS/SPINE

Elevators and Bone Levers

SEBILEAU ELEVATOR



FK124R



FK124R

Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK124R	5	CVD	6 7/8

BRISTOW BONE LEVER





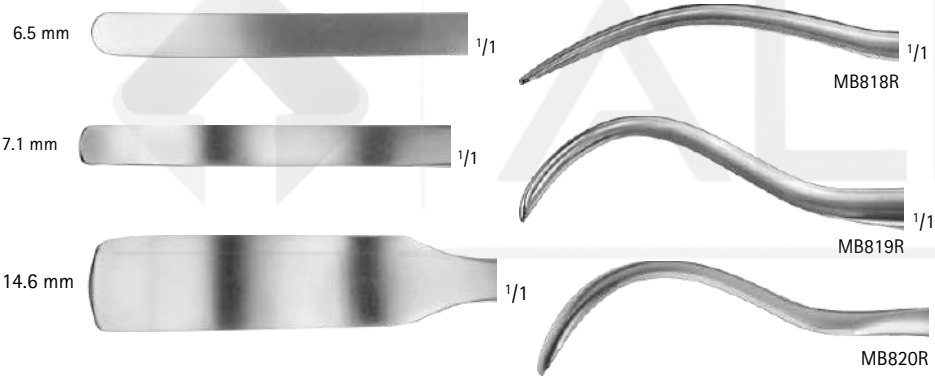
FK140R

Catalog Number	Length (in.)
FK140R	5 374

CREGO ELEVATOR



MB818R-MB820R

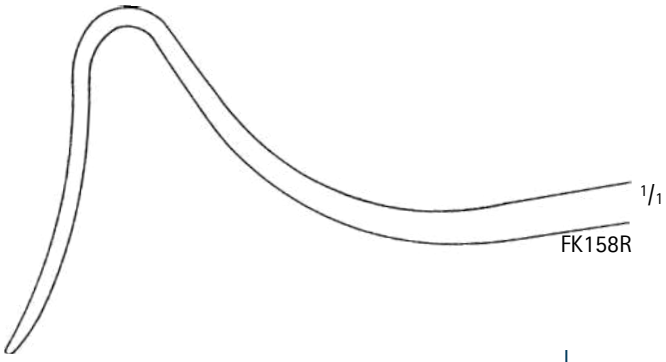


Catalog Number	Tip	Blade Size (mm)	Blade	Length (in.)
MB818R	BLUNT	6.5	CVD	8
MB819R	BLUNT	7.1	CVD	8
MB820R	BLUNT	14.6	CVD	8

TAEGER BONE LEVER F/ ANGLE JOINT OPERATIONS



FK158R



FK158R

Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK158R	12	CVD	6 7/8

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ORTHOPEDICS/SPINE

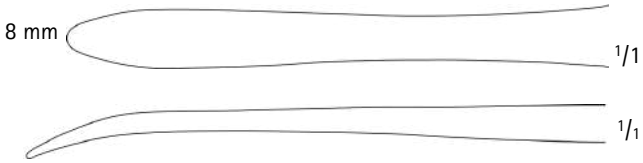
Elevators and Bone Levers

LANGENBECK ELEVATOR

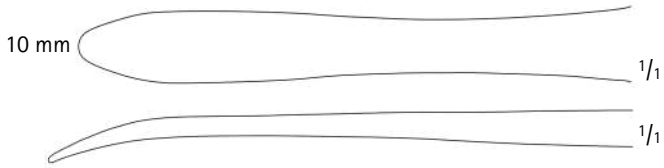


FK130R-FK131R

Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK130R	8	CVD	7 3/4
FK131R	10	CVD	7 3/4
FK139R	11	CVD	9



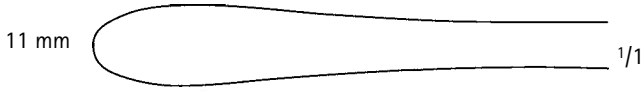
FK130R



FK131R



FK139R





FK139R

QUERVAIN ELEVATOR, JOKER



FK133R



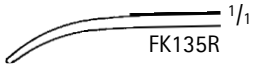
FK133R

Catalog Number	Blade Size (mm)	Blade	Length (in.)
FK133R	6	CVD	7 3/4

LANE TRETHOWAN BONE LEVER



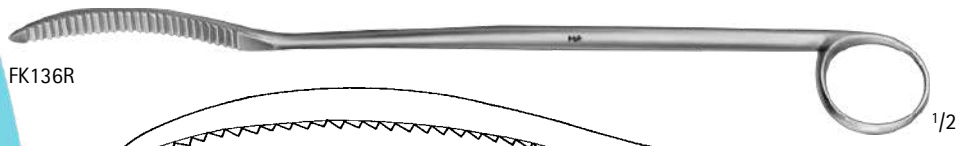
FK135R



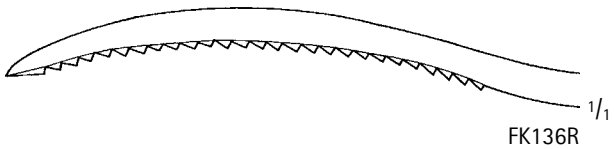
FK135R

Catalog Number	Blade	Length (in.)
FK135R	CVD	8 1/2

LANE BONE LEVER



FK136R



FK136R

Catalog Number	Blade	Length (in.)
FK136R	CVD	10

ORTHOPEDICS/SPINE

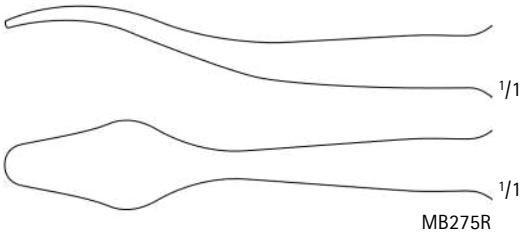
Elevators and Bone Levers

CHANDLER BONE ELEVATOR

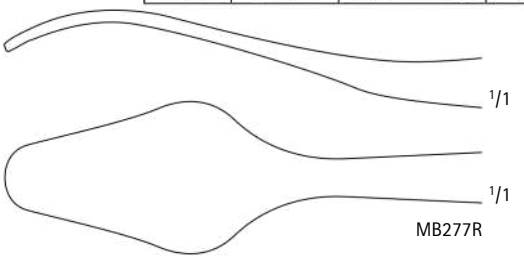


MB275R-MB278R

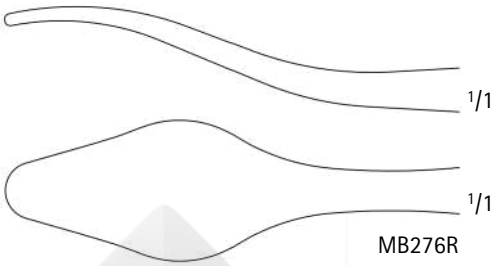
Catalog Number	Blade Size (mm)	Blade	Length (in.)
MB275R	14	SMALL	7 1/4
MB276R	19	MEDIUM	8
MB277R	25	LARGE	9 1/4
MB278R	30	EXTRA LARGE	10



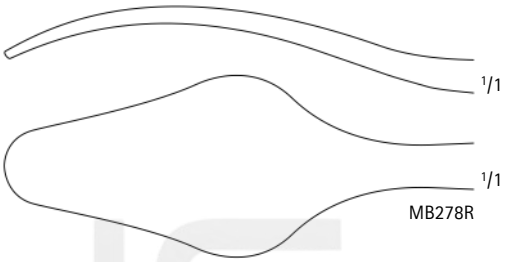
MB275R



MB277R



MB276R



MB278R

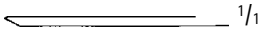
ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

CHISEL BLADE, F/FL665R



FL666R-FL672R



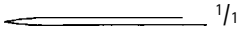
FL666R-FL672R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Working Length (mm)
FL666R	5	3/16	45
FL668R	10	3/8	45
FL670R	16	5/8	45
FL672R	25	1	45

OSTEOTOME BLADE, F/FL665R



FL682R



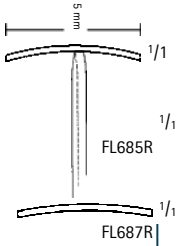
FL682R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Working Length (mm)
FL682R	25	1	78

CONCAVE CHISEL BLADE, F/FL665R



FL685R-FL687R



Catalog Number	Radius (mm)	Tip Size (mm)	Tip Size (in.)
FL685R	50	25	1
FL687R	70	25	1

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ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

HIBBS CHISEL



MB850R-MB855R, MB991R

1/2



MB856R-MB859R, MB992R-MB996R

1/2

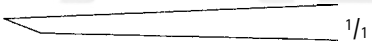
Catalog Number	Tip Size (mm)	Blade	Length (in.)
MB850R	7	STR	9 1/2
MB991R	10	STR	9 1/2
MB851R	15	STR	9 1/2
MB852R	19	STR	9 1/2
MB853R	22	STR	9 1/2
MB854R	25	STR	9 1/2
MB855R	38	STR	9 1/2
MB856R	7	CVD	9 1/2
MB857R	9	CVD	9 1/2
MB992R	13	CVD	9 1/2
MB858R	15	CVD	9 1/2
MB859R	19	CVD	9 1/2
MB993R	22	CVD	9 1/2
MB994R	25	CVD	9 1/2
MB995R	32	CVD	9 1/2
MB996R	38	CVD	9 1/2

STILLE CHISEL



FL503R-FL507R

1/2



1/1

FL503R-FL507R

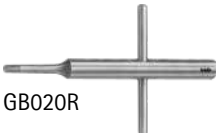
Catalog Number	Tip Size (mm)	Length (in.)
FL503R	10	8
FL504R	12	8
FL505R	15	8
FL506R	20	8
FL507R	25	8

CHISEL HANDLE F/ INTERCHANGEABLE BLADES



FL665R

1/2



GB020R

Catalog Number	Item
FL665R	HANDLE W/KEY
GB020R	REPLACEMENT KEY

ORTHOPEDICS/SPINE

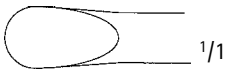
Chisels, Gouges and Osteotomes

LAMINA GOUGE W/ HARTPRESS HANDLE



FL437R-FL440R

1/2



1/1

FL437R-FL440R

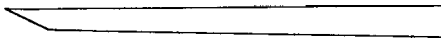
Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL437R	6	1/4	9 1/4
FL438R	8	5/16	9 1/4
FL439R	11	7/16	9 1/4
FL440R	16	5/8	9 1/4

CHISEL W/ PEEK HANDLE



FL430R

1/2



1/1

FL430R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL430R	20	3/4	9 5/8

LEXER-MINI GOUGE W/ PEEK HANDLE



FL390R-FL394R

1/2



1/1

FL390R-FL394R

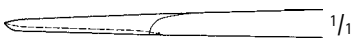
Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL390R	4	5/32	7
FL391R	6	1/4	7
FL392R	8	5/16	7
FL393R	10	3/8	7
FL394R	12	1/2	7

LEXER GOUGE W/ PEEK HANDLE



FL411R-FL418R

1/2



1/1

FL411R-FL418R

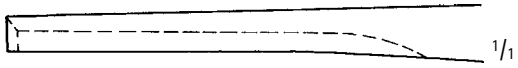
Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL411R	5	3/16	8 7/8
FL412R	7	9/32	8 7/8
FL413R	10	3/8	8 7/8
FL415R	15	5/8	8 7/8
FL416R	20	3/4	8 7/8
FL417R	25	1	8 7/8
FL418R	30	1 3/16	8 7/8

ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

GOUGE, F/ REMOVING BROKEN SCREWS, W/ PEEK HANDLE



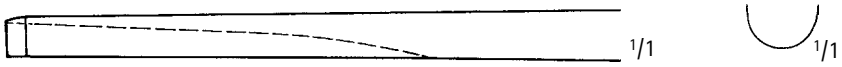


FL420R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL420R	9	3/8	8 7/8

LEXER SPONGIOSA GOUGE W/ PEEK HANDLE







Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL423R	10	3/8	11

ZIELKE GOUGE W/ PEEK HANDLE



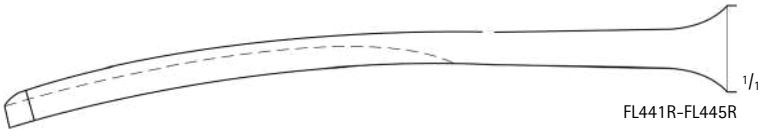


FL701R-FL702R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL701R	5.5	7/32	9
FL702R	9	3/8	9

SPONGIOSA GOUGE W/ PEEK HANDLE





FL441R-FL445R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
FL441R	5	3/16	CVD	9 3/4
FL443R	10	3/8	CVD	9 3/4
FL445R	15	5/8	CVD	9 3/4

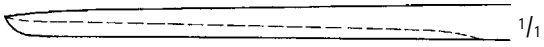
ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes



1/2

FL573R-FL577R



1/1

FL573R-FL577R

STILLE GOUGE

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL573R	10	3/8	8
FL574R	12	1/2	8
FL575R	15	5/8	8
FL576R	20	3/4	8
FL577R	25	1	8

WAGNER GOUGE W/ PEEK HANDLE



ND120R-ND125R

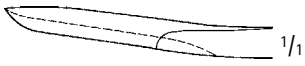
1/2

9 mm



1/1

ND120R, ND121R, ND124R



1/1

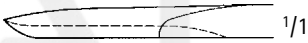
ND121R
ND123R

15 mm



1/1

ND122R, ND123R, ND125R



1/1

ND124R
ND125R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade Shape	Length (in.)
ND120R	9	3/8	ANG FWD	13 3/8
ND121R	9	3/8	ANG BACK	13 3/8
ND122R	15	5/8	ANG FWD	13 3/8
ND123R	15	5/8	ANG BACK	13 3/8
ND124R	9	3/8	STR	13 3/8
ND125R	15	5/8	STR	13 3/8

SMITH-PETERSON GOUGE



MF465R-MF478R

1/2

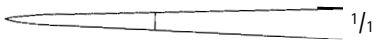
Catalog Number	Tip	Tip Size (mm)	Length (in.)
MF465R	STR	6	8
MF466R	STR	10	8
MF467R	STR	13	8
MF468R	STR	16	8
MF469R	STR	19	8
MF470R	STR	25	8
MF471R	STR	32	8
MF472R	CVD	6	8
MF473R	CVD	10	8
MF474R	CVD	13	8
MF475R	CVD	16	8
MF476R	CVD	19	8
MF477R	CVD	25	8
MF478R	CVD	32	8

ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

LEXER-MINI OSTEOTOME W/ PEEK HANDLE





FL380R-FL384R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL380R	4	5/32	7
FL381R	6	1/4	7
FL382R	8	5/16	7
FL383R	10	3/8	7
FL384R	12	1/2	7

LEXER OSTEOTOME W/ PEEK HANDLE





FL401R-FL408R



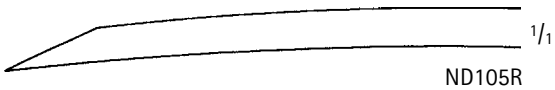


ND108R-ND109R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
FL401R	5	3/16	8 7/8
FL402R	7	9/32	8 7/8
FL403R	10	3/8	8 7/8
FL405R	15	5/8	8 7/8
FL406R	20	3/4	8 7/8
FL407R	25	1	8 7/8
FL408R	30	1 3/16	8 7/8
ND108R	10	3/8	10 3/4
ND109R	15	5/8	10 3/4

CHISEL W/ PEEK HANDLE





ND105R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
ND105R	16	5/8	10 1/2

COBB GOUGE





MB707R

Catalog Number	Blade	Length (in.)
MB707R	STR	11 1/2

GOUGE, DOUBLE CURVED, W/ HARTPRESS HANDLE



ND118R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Length (in.)
ND118R	25	1	11 1/4

ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

HIBBS GOUGE



MB709R-MB715R

1/2



MB716R-MB723R

1/2

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
MB709R	16	5/8	STR	9 1/2
MB710R	19	3/4	STR	9 1/2
MB711R	22	7/8	STR	9 1/2
MB712R	25	1	STR	9 1/2
MB713R	28	1 1/8	STR	9 1/2
MB714R	32	1 1/4	STR	9 1/2
MB715R	38	1 1/2	STR	9 1/2
MB716R	6	1/4	CVD	9 1/2
MB717R	9	3/8	CVD	9 1/2
MB718R	13	1/2	CVD	9 1/2
MB719R	13	5/8	CVD	9 1/2
MB720R	19	3/4	CVD	9 1/2
MB721R	25	1	CVD	9 1/2
MB722R	28	1 1/8	CVD	9 1/2
MB723R	38	1 1/2	CVD	9 1/2

HOKE OSTEOTOME



FL156R-FL170R

1/2



Fl156R-FL160R

1/1



FL166R-FL170R

1/1

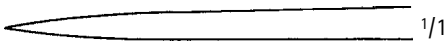
Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
FL156R	3	1/8	STR	6 1/8
FL157R	6	1/4	STR	6 1/8
FL158R	10	3/8	STR	6 1/8
FL159R	13	1/2	STR	6 1/8
FL160R	16	5/8	STR	6 1/8
FL166R	3	1/8	CVD	6 1/8
FL167R	6	1/4	CVD	6 1/8
FL168R	10	3/8	CVD	6 1/8
FL169R	13	1/2	CVD	6 1/8
FL170R	16	5/8	CVD	6 1/8

STILLE OSTEOTOME



FL512R-FL517R

1/2



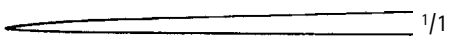
FL512R-FL517R

1/1



FL523R-FL527R

1/2



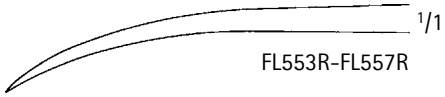
FL523R-FL527R

1/1



FL553R-FL557R

1/2



FL553R-FL557R

1/1

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
FL512R	8	5/16	STR, HVY	8
FL513R	10	3/8	STR, HVY	8
FL514R	12	1/2	STR, HVY	8
FL515R	15	5/8	STR, HVY	8
FL516R	20	3/4	STR, HVY	8
FL517R	25	1	STR, HVY	8
FL523R	10	3/8	STR	8
FL524R	12	1/2	STR	8
FL525R	15	5/8	STR	8
FL526R	20	3/4	STR	8
FL527R	25	1	STR	8
FL553R	10	3/8	CVD	8
FL554R	12	1/2	CVD	8
FL555R	15	5/8	CVD	8
FL556R	20	3/4	CVD	8
FL557R	25	1	CVD	8

ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

GOUGE



MF458R-MF461R



MF458R-MF461R

Catalog Number	Tip Size (mm)	Tip	Length (in.)
MF458R	4	CVD	7
MF459R	4	STR	7
MF460R	6	CVD	7 1/2
MF461R	6	STR	7 1/2

SMITH-PETERSON OSTEOTOME



MB657R-MB669R



MB657R-MB662R



MB663R-MB669R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
MB657R	7	9/32	STR	8
MB658R	11	7/16	STR	8
MB659R	14	9/16	STR	8
MB660R	17	21/32	STR	8
MB661R	19	3/4	STR	8
MB662R	25	1	STR	8
MB663R	6	1/4	CVD	8
MB664R	9.5	3/8	CVD	8
MB665R	13	1/2	CVD	8
MB666R	16	5/8	CVD	8
MB667R	19	3/4	CVD	8
MB668R	25	1	CVD	8
MB669R	32	1 1/4	CVD	8

HIBBS OSTEOTOME



MB675R-MB684R



MB675R-MB684R



MB685R-MB694R



MB685R-MB694R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
MB675R	6	1/4	STR	9 5/8
MB676R	10	3/8	STR	9 5/8
MB677R	13	1/2	STR	9 5/8
MB678R	16	5/8	STR	9 5/8
MB679R	19	3/4	STR	9 5/8
MB680R	22	7/8	STR	9 5/8
MB681R	25	1	STR	9 5/8
MB682R	28	1 1/8	STR	9 5/8
MB683R	32	1 1/4	STR	9 5/8
MB684R	38	1 1/2	STR	9 5/8
MB685R	6	1/4	CVD	9 5/8
MB686R	10	3/8	CVD	9 5/8
MB687R	13	1/2	CVD	9 5/8
MB688R	16	5/8	CVD	9 5/8
MB689R	19	3/4	CVD	9 5/8
MB690R	22	7/8	CVD	9 5/8
MB691R	25	1	CVD	9 5/8
MB692R	28	1 1/8	CVD	9 5/8
MB693R	32	1 1/4	CVD	9 5/8
MB694R	38	1 1/2	CVD	9 5/8

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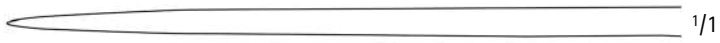
ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

COBB OSTEOTOMES



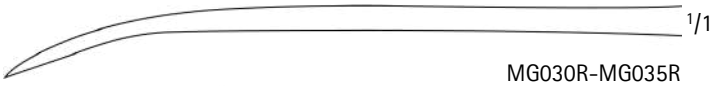
MB084R-MB090R



MB084R-MB090R



MG030R-MG035R



MG030R-MG035R

Catalog Number	Tip Size (mm)	Blade	Length (in.)
MB084R	6	STR	11
MB085R	10	STR	11
MB742R	13	STR	11
MB087R	13	STR	11
MB088R	16	STR	11
MB089R	19	STR	11
MB090R	25	STR	11
MG030R	6	CVD	11
MG031R	10	CVD	11
MG032R	13	CVD	11
MG033R	16	CVD	11
MG036R	19	CVD	11
MG034R	25	CVD	11
MG035R	32	CVD	11

OSTEOTOME W/ HEXAGONAL HANDLE



MB404R-MB373R



MB404R-MB373R

Catalog Number	Tip Size (mm)	Length (in.)
MB404R	2	6 1/4
MB405R	3	6 1/4
MB406R	4	6 1/4
MB407R	5	6 1/4
MB408R	6	6 1/4
MB409R	7	6 1/4
MB410R	8	6 1/4
MB411R	9	6 1/4
MB412R	10	6 1/4
MB413R	11	6 1/4
MB373R	12	6 1/4

CONVERSE OSTEOTOME



MB398R-MB403R



MB398R-MB403R

Catalog Number	Tip Size (mm)	Length (in.)
MB398R	2	7
MB399R	4	7
MB400R	6	7
MB401R	8	7
MB402R	10	7
MB403R	12	7

ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

RUBIN OSTEOTOME, W/ FINGER GRIP



1/2

MB388R-MB389R

Catalog Number	Tip Size (mm)	Length (in.)
MB388R	10	6 1/2
MB389R	14	6 1/2

LAMBOTTE OSTEOTOME



1/2

FL088R-MG049R

1/1

FL088R-MG049R



MG037R-MG044R 1/2



1/1

MG037R-MG044R

LAMBOTTE MINI OSTEOTOME SET:
CONTAINS SEVEN MG050R STRAIGHT 5" OSTEOTOMES:
2MM, 4MM, 6MM, 8MM, 10MM, 12MM, 14MM PLUS MALLET (FL036R)

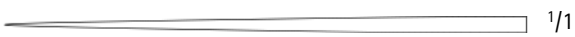
Catalog Number	Tip Size (mm)	Blade	Length (in.)
MG050R	SET OF 7	STR	-
FL088R	2	STR	5
FL101R	4	STR	5
FL102R	6	STR	5
FL104R	8	STR	5
FL106R	10	STR	5
FL108R	12	STR	5
MG046R	14	STR	5
FL109R	15	STR	5
MG047R	18	STR	5
MG048R	19	STR	5
MG049R	20	STR	5
MG037R	2	CVD	5
MG038R	4	CVD	5
MG039R	6	CVD	5
MG040R	8	CVD	5
MG041R	10	CVD	5
MG042R	12	CVD	5
MG043R	14	CVD	5
MG044R	15	CVD	5

LAMBOTTE OSTEOTOME WITH CALIBRATIONS



1/2

MB621R-MB628R



1/1

MB620R-MB628R

MB620R includes:
Osteotome MB621R-MB628R and Mallet MB629R

Catalog Number	Tip Size (mm)	Blade	Length (in.)
MB620R	COMPLETE SET	-	-
MB621R	4	STR	7 1/4
MB622R	6	STR	7 1/4
MB623R	7	STR	7 1/4
MB624R	8	STR	7 1/4
MB625R	10	STR	7 1/4
MB626R	12	STR	7 1/4
MB627R	16	STR	7 1/4
MB628R	22	STR	7 1/4

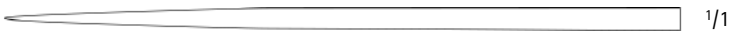
ORTHOPEDICS/SPINE

Chisels, Gouges and Osteotomes

LAMBOTTE OSTEOTOME



MB640R-MB646R



MB640R-MB646R



MB650R-MB656R



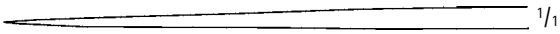
MB650R-MB656R

Catalog Number	Tip Size (mm)	Tip Size (in.)	Blade	Length (in.)
MB640R	COMPLETE SET		STR	
MB641R	6	1/4	STR	9
MB642R	13	1/2	STR	9
MB643R	19	3/4	STR	9
MB644R	25	1	STR	9
MB645R	32	1 1/4	STR	9
MB646R	38	1 1/2	STR	9
MB650R	COMPLETE SET		CVD	
MB651R	6	1/4	CVD	9
MB652R	13	1/2	CVD	9
MB653R	19	3/4	CVD	9
MB654R	25	1	CVD	9
MB655R	32	1 1/4	CVD	9
MB656R	38	1 1/2	CVD	9

LAMBOTTE OSTEOTOME



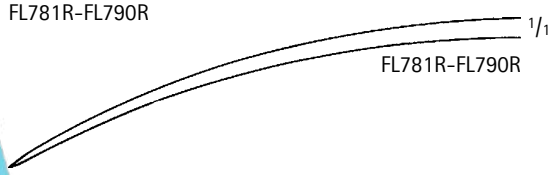
FL650R-FL662R



FL650R-FL662R



FL781R-FL790R

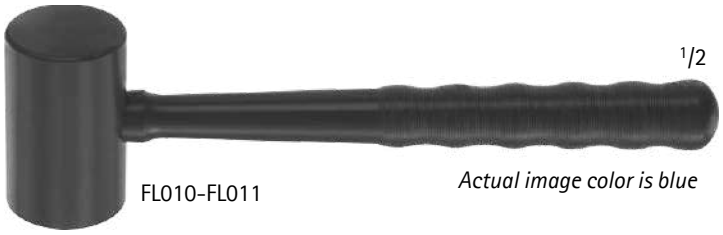


FL781R-FL790R

Catalog Number	Tip Size (mm)	Blade	Length (in.)
FL650R	4	STR	9 5/8
FL651R	8	STR	9 5/8
FL652R	10	STR	9 5/8
FL653R	13	STR	9 5/8
FL654R	15	STR	9 5/8
FL655R	18	STR	9 5/8
FL656R	20	STR	9 5/8
FL658R	25	STR	9 5/8
FL659R	30	STR	9 5/8
FL660R	38	STR	9 5/8
FL661R	44	STR	9 5/8
FL662R	50	STR	9 5/8
FL781R	8	CVD	9 5/8
FL783R	13	CVD	9 5/8
FL785R	18	CVD	9 5/8
FL788R	25	CVD	9 5/8
FL789R	30	CVD	9 5/8
FL790R	38	CVD	9 5/8

ORTHOPEDICS/SPINE

Mallets



FL010-FL011

Actual image color is blue

MALLET, PEEK

Catalog Number	Handle	Weight (gr)	Diameter (mm)	Length (in.)
FL010	HARTPRESS	230	42	9 3/4
FL011	HARTPRESS	315	50	9 3/4

MEAD MALLET, REMOVABLE DISCS, 180GR



FL035R

Catalog Number	Description	Diameter (mm)	Length (in.)
FL035R	COMPLETE	20	7 1/2
FL034	SPARE DISCS, F/FL035R, 2/SET	20	

MALLET W/ REMOVABLE NYLON DISCS, 135GR



FL036R

Catalog Number	Description	Diameter (mm)	Length (in.)
FL036R	COMPLETE	25	7 1/4
FL037	NYLON SPARE DISCS, F/FL036R, 2/SET	25	

MALLET, 226GR



MB629R

Catalog Number	Description	Diameter (mm)	Length (in.)
MB629R	ONE SIDE NYLON, ONE SIDE METAL	26	7 1/4
MB629200	REPLACEMENT NYLON DISC FOR MB629R MALLET HEAD		

ORTHOPEDICS/SPINE

Mallets



DF114R

MALLET, 155GR

Catalog Number	Diameter (mm)	Length (in.)
DF114R	25	7 1/2



US142

MALLET, COPPER

Catalog Number	Diameter (mm)	Length (in.)
US142	20	6 1/2



MG583R

KIRK MALLET, 560GR

Catalog Number	Diameter (mm)	Length (in.)
MG583R	35	7 1/4



FL038R

COTTLE MALLET, FLAT/ROUND, 235GR

Catalog Number	Diameter (mm)	Length (in.)
FL038R	30	7 1/4



FL044R

HAJEK MALLET, 140GR

Catalog Number	Diameter (mm)	Length (in.)
FL044R	27	8 3/4



FL055R

BERGMANN MALLET, 260GR

Catalog Number	Diameter (mm)	Length (in.)
FL055R	30	9 1/4

ORTHOPEDICS/SPINE

Mallets

MALLET, 285GR, W/ SILICONE HANDLE



FL059R

Catalog Number	Diameter (mm)	Length (in.)
FL059R	30 / 42	9 1/2

BERGMANN MALLET, 300GR, W/ SILICONE HANDLE



FL060R

Catalog Number	Diameter (mm)	Length (in.)
FL060R	45	9 5/8

ORTHOPEDIC MALLET



MB630R

Catalog Number	Diameter (mm)	Length (in.)
MB630R	30	7 1/4
MB631R	38	7 1/4

MB630R: 1 LB Weight (485gr)
MB631R: 2 LB Weight (907gr)

WAGNER MALLET SET, 130GR, W/ SILICONE HANDLE



FL062

Catalog Number	Diameter (mm)	Length (in.)
FL062	35	9 1/4

Set includes:
1 PR Metal Discs FL064R
1 PR Plastic Discs FL065
1 Wrench FL062/206



215 gr
1 Metal Disc, at
1 Metal Disc, convex

FL064R



30 gr
1 Plastic Disc, at
1 Plastic Disc, convex

FL065

ORTHOPEDICS/SPINE

Mallets

OMBREDANNE MALLET, 520GR, W/ SILICONE HANDLE



FL066R

Catalog Number	Diameter (mm)	Length (in.)
FL066R	40	9 1/2

HEATH COPPER HEAD MALLET, 725GR, W/ SILICONE HANDLE



FL068R

Catalog Number	Diameter (mm)	Length (in.)
FL068R	40	9 1/4

ORTHOPEDICS/SPINE

Mallets, Impactors and Bone Tamps

HEATH MALLET, 823GR



MG095R

Catalog Number	Diameter (mm)	Size	Length (in.)
MG095R	40	1.8 lbs	7 1/4

BONE GRAFT TAMPER



FL090R



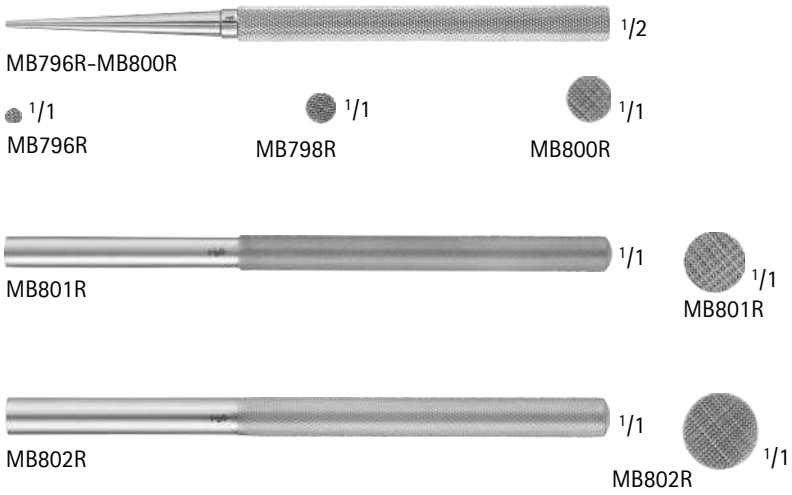
FL090R

Catalog Number	Diameter (mm)	Length (in.)
FL090R	12	7 7/8

ORTHOPEDICS/SPINE

Mallets, Impactors and Bone Tamps

BONE TAMP



Catalog Number	Diameter (mm)	Length (in.)
MB796R	2	6 1/4
MB798R	4	6 1/4
MB800R	6	6 1/4
MB801R	8	6 1/4
MB802R	10	6 1/4

SYPERT SPINAL IMPACTOR, W/ HART- PRESS HANDLE



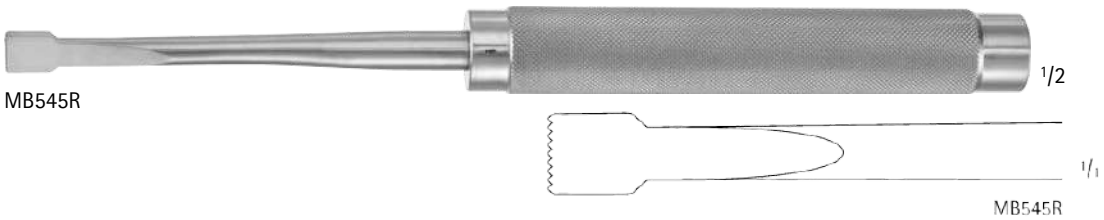
Catalog Number	Tip Size (mm)	Length (in.)
FG093R	3 x 8	11 1/2
FG094R	4 x 10	11 1/2
FG095R	5 x 15	11 1/2
FG096R	6 x 20	11 1/2

ORTHOPEDICS/SPINE

Bone Impactor

COBB BONE IMPACTOR

Catalog Number	Tip Size (mm)	Length (in.)
MB545R	3 x 12	11 1/4



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ORTHOPEDICS/SPINE

Hand Drill



MG021R

RALKS HAND DRILL, CANNULATED

Catalog Number	Length (in.)
MG021R	6 1/4

ORTHOPEDICS/SPINE

Drills, Burrs and Reamers



FR110R

CHAMPIONNIÈRE BONE DRILL

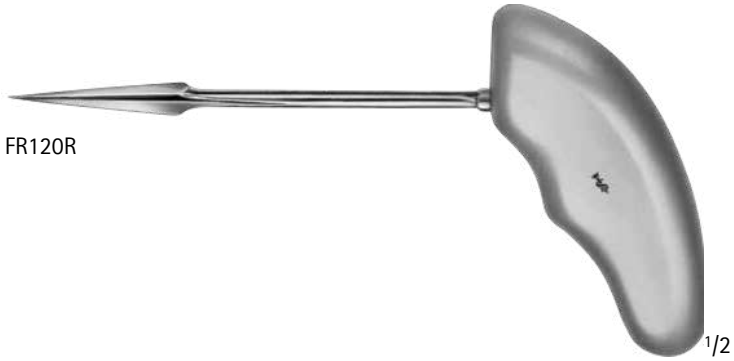
Catalog Number	Length (in.)
FR110R	6 3/4



FR118R

AWL/REAMER

Catalog Number	Length (in.)
FR118R	6



FR120R

REAMER

Catalog Number	Length (in.)
FR120R	7

ORTHOPEDICS/SPINE

Reamers and Trephines

PERTHES REAMER



Catalog Number	Length (in.)
FR125R	8 1/2

BONE BIOPSY TREPHINE

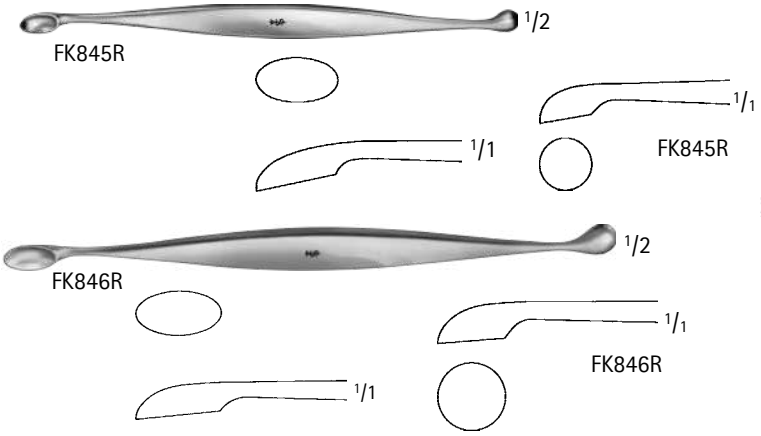


Catalog Number	Diameter (mm)	Length (in.)
FR140R	3.9 / 5	6 1/4
FR141R	6.4 / 8	6 1/4

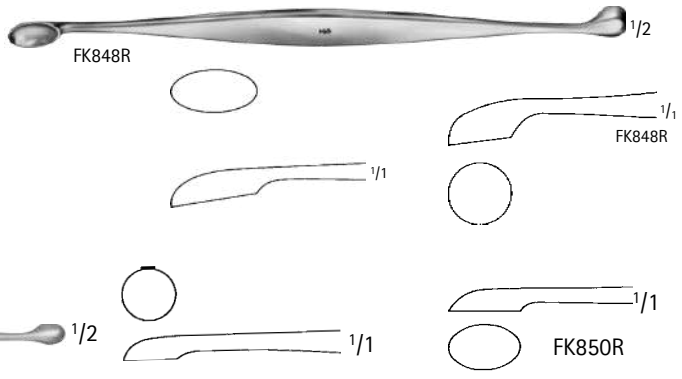
ORTHOPEDICS/SPINE

Curettes

BONE CURETTE, DOUBLE ENDED



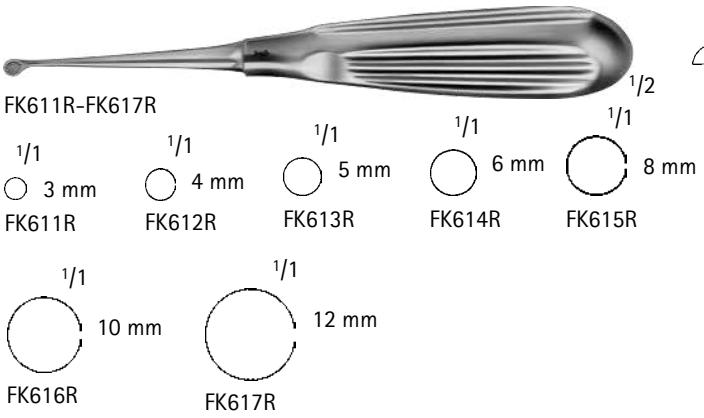
Catalog Number	Tip Size (mm)	Length (in.)
FK845R	6 / 7	5 1/8
FK846R	7 / 8	6 1/4
FK848R	8 / 11	7 7/8
FK850R	7 / 6	8 1/4



ORTHOPEDICS/SPINE

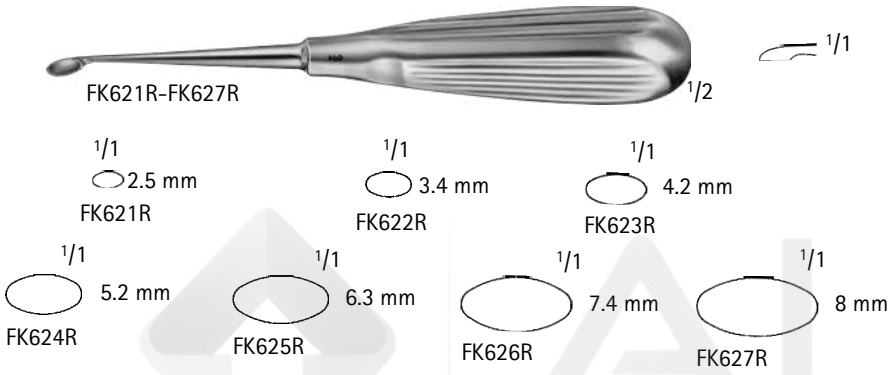
Curettes

BRUNS CURETTE, ROUND



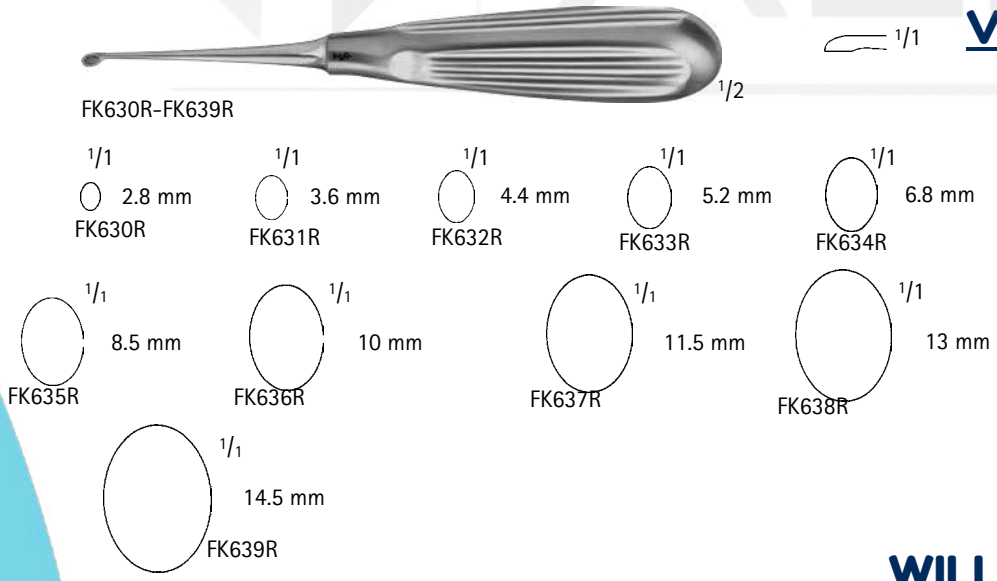
Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK611R	000	3	6 1/2
FK612R	00	4	6 1/2
FK613R	0	5	6 1/2
FK614R	1	6	6 1/2
FK615R	2	8	6 1/2
FK616R	3	10	6 1/2
FK617R	4	12	6 1/2

SCHEDE CURETTE



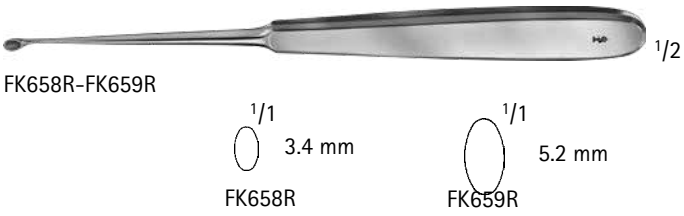
Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK621R	000	2.5	6 3/4
FK622R	00	3.4	6 3/4
FK623R	0	4.2	6 3/4
FK624R	1	5.2	6 3/4
FK625R	2	6.3	6 3/4
FK626R	3	7.4	6 3/4
FK627R	4	8.0	6 3/4

VOLKMANN CURETTE



Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK630R	0000	2.8	6 3/4
FK631R	000	3.6	6 3/4
FK632R	00	4.4	6 3/4
FK633R	0	5.2	6 3/4
FK634R	1	6.8	6 3/4
FK635R	2	8.5	6 3/4
FK636R	3	10.0	6 3/4
FK637R	4	11.5	6 3/4
FK638R	5	13.0	6 3/4
FK639R	6	14.5	6 3/4

WILLIGER BONE CURETTE

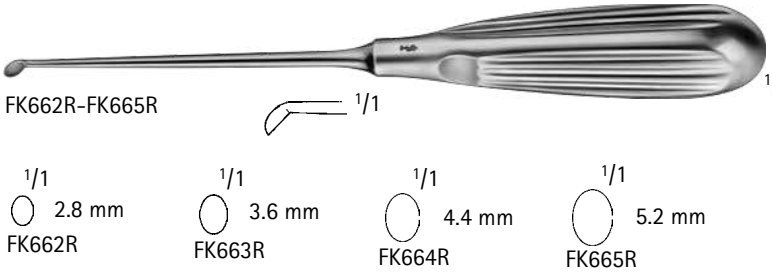


Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK658R	00	3.4	6 3/4
FK659R	1	5.2	6 3/4

ORTHOPEDICS/SPINE

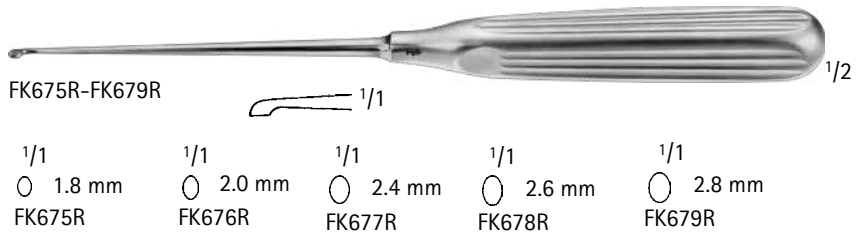
Curettes

DAUBENSPECK BONE CURETTE



Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK662R	0000	2.8	7 7/8
FK663R	000	3.6	7 7/8
FK664R	00	4.4	7 7/8
FK665R	0	5.2	7 7/8

LEMPERT BONE CURETTE



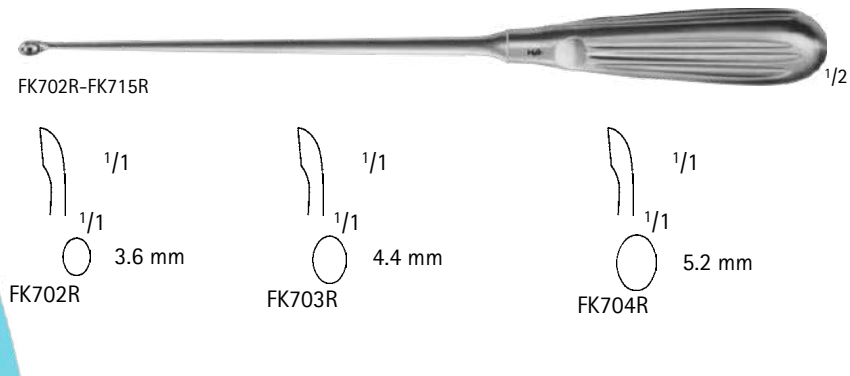
Catalog Number	Tip Size (mm)	Length (in.)
FK675R	1.8	8 1/2
FK676R	2.0	8 1/2
FK677R	2.4	8 1/2
FK678R	2.6	8 1/2
FK679R	2.8	8 1/2

EPSTEIN SPINAL CURETTE



Catalog Number	Tip Size (mm)	Size (#)	Length (in.)
MD565	2.0	000	8
MD566	2.5	00	8
MD567	3.0	0	8

SCOVILLE BONE CURETTE



Catalog Number	Tip Size (#)	Tip Size (mm)	Tip	Length (in.)
FK702R	000	3.6	FWD STR	9 3/4
FK703R	00	4.4	FWD STR	9 3/4
FK704R	0	5.2	FWD STR	9 3/4
FK705R	1	6.8	FWD STR	9 3/4
FK712R	000	3.6	FWD ANG	9 3/4
FK713R	00	4.4	FWD ANG	9 3/4
FK714R	0	5.2	FWD ANG	9 3/4
FK715R	1	6.8	FWD ANG	9 3/4

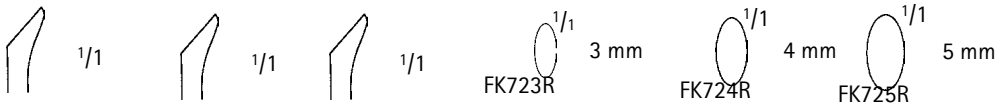
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ORTHOPEDICS/SPINE

Curettes

BUSHE BONE CURETTE

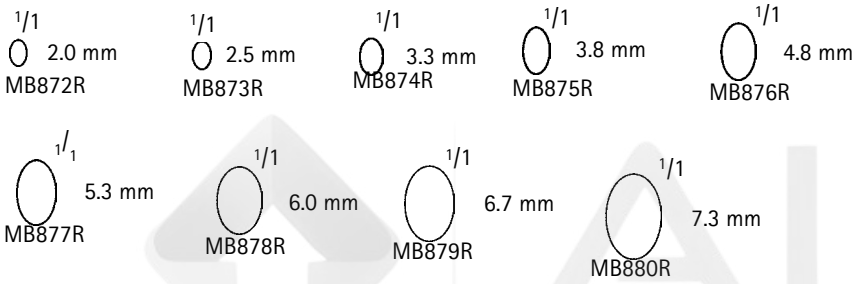




Catalog Number	Tip Size (mm)	Tip	Length (in.)
FK723R	3.0	REV ANG	9 3/4
FK724R	4.0	REV ANG	9 3/4
FK725R	5.0	REV ANG	9 3/4

BRUNS CURETTE

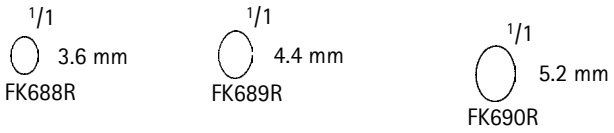




Catalog Number	Tip Size (#)	Tip Size (mm)	Tip	Length (in.)
MB872R	000	2.0	STR	9
MB873R	00	2.5	STR	9
MB874R	0	3.3	STR	9
MB875R	1	3.8	STR	9
MB876R	2	4.8	STR	9
MB877R	3	5.3	STR	9
MB878R	4	6.0	STR	9
MB879R	5	6.7	STR	9
MB880R	6	7.3	STR	9

SIMON BONE CURETTE





Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK688R	000	3.6	9 1/4
FK689R	00	4.4	9 1/4
FK690R	0	5.2	9 1/4

HIBBS CURETTE





Catalog Number	Tip	Length (in.)
MB415R	SMALL	8
MB416R	MEDIUM	8
MB417R	LARGE	8

ORTHOPEDICS/SPINE

Curettes


1/2


1/1

MF519R-MD490, MF534R-MF544R, MF567R-MF577R


1/2


1/1

MF521R-MD481, MF545R-MF555R, MF578R-MF588R


1/2


1/1

MF523R-MF533R, MF556R-MF566R, MF589R-MF599R

1/1 2.8 mm MD473

1/1 3.3 mm MD474

1/1 3.7 mm MD475

1/1 4.3 mm MD476

1/1 4.8 mm MD477

1/1 5.6 mm MD478

1/1 6.1 mm MD479

1/1 6.7 mm MD480

1/1 8.8 mm MD481

BRUNS SPINAL CURETTE

Catalog Number	Tip Size (#)	Tip	Length (in.)
MF519R	00000	STR	8
MF520R	0000	STR	8
MD482	000	STR	8
MD483	00	STR	8
MD484	0	STR	8
MD485	1	STR	8
MD486	2	STR	8
MD487	3	STR	8
MD488	4	STR	8
MD489	5	STR	8
MD490	6	STR	8
MF521R	00000	FWD ANG	8
MF522R	0000	FWD ANG	8
MD473	000	FWD ANG	8
MD474	00	FWD ANG	8
MD475	0	FWD ANG	8
MD476	1	FWD ANG	8
MD477	2	FWD ANG	8
MD478	3	FWD ANG	8
MD479	4	FWD ANG	8
MD480	5	FWD ANG	8
MD481	6	FWD ANG	8
MF523R	00000	REV ANG	8
MF524R	0000	REV ANG	8
MF525R	000	REV ANG	8
MF526R	00	REV ANG	8
MF527R	0	REV ANG	8
MF528R	1	REV ANG	8
MF529R	2	REV ANG	8
MF530R	3	REV ANG	8
MF531R	4	REV ANG	8
MF532R	5	REV ANG	8
MF533R	6	REV ANG	8

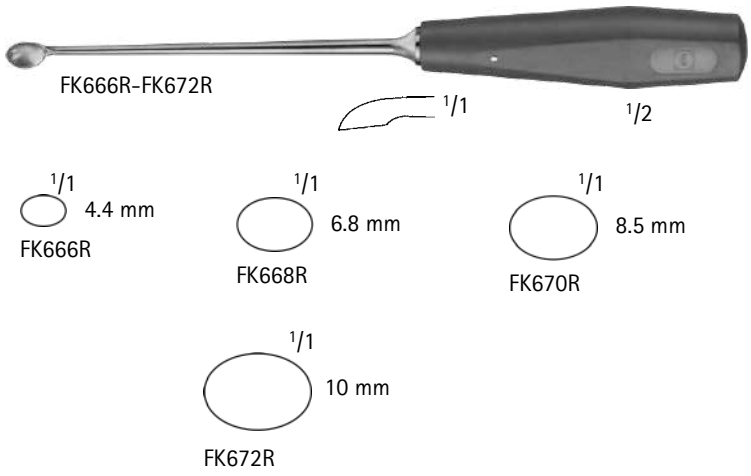
Catalog Number	Tip Size (#)	Tip	Length (in.)
MF534R	00000	STR	9
MF535R	0000	STR	9
MF536R	000	STR	9
MF537R	00	STR	9
MF538R	0	STR	9
MF539R	1	STR	9
MF540R	2	STR	9
MF541R	3	STR	9
MF542R	4	STR	9
MF543R	5	STR	9
MF544R	6	STR	9
MF545R	00000	FWD ANG	9
MF546R	0000	FWD ANG	9
MF547R	000	FWD ANG	9
MF548R	00	FWD ANG	9
MF549R	0	FWD ANG	9
MF550R	1	FWD ANG	9
MF551R	2	FWD ANG	9
MF552R	3	FWD ANG	9
MF553R	4	FWD ANG	9
MF554R	5	FWD ANG	9
MF555R	6	FWD ANG	9
MF556R	00000	REV ANG	9
MF557R	0000	REV ANG	9
MF558R	000	REV ANG	9
MF559R	00	REV ANG	9
MF560R	0	REV ANG	9
MF561R	1	REV ANG	9
MF562R	2	REV ANG	9
MF563R	3	REV ANG	9
MF564R	4	REV ANG	9
MF565R	5	REV ANG	9
MF566R	6	REV ANG	9

Catalog Number	Tip Size (#)	Tip	Length (in.)
MF567R	00000	STR	12
MF568R	0000	STR	12
MF569R	000	STR	12
MF570R	00	STR	12
MF571R	0	STR	12
MF572R	1	STR	12
MF573R	2	STR	12
MF574R	3	STR	12
MF575R	4	STR	12
MF576R	5	STR	12
MF577R	6	STR	12
MF578R	00000	FWD ANG	12
MF579R	0000	FWD ANG	12
MF580R	000	FWD ANG	12
MF581R	00	FWD ANG	12
MF582R	0	FWD ANG	12
MF583R	1	FWD ANG	12
MF584R	2	FWD ANG	12
MF585R	3	FWD ANG	12
MF586R	4	FWD ANG	12
MF587R	5	FWD ANG	12
MF588R	6	FWD ANG	12
MF589R	00000	REV ANG	12
MF590R	0000	REV ANG	12
MF591R	000	REV ANG	12
MF592R	00	REV ANG	12
MF593R	0	REV ANG	12
MF594R	1	REV ANG	12
MF595R	2	REV ANG	12
MF596R	3	REV ANG	12
MF597R	4	REV ANG	12
MF598R	5	REV ANG	12
MF599R	6	REV ANG	12

ORTHOPEDICS/SPINE

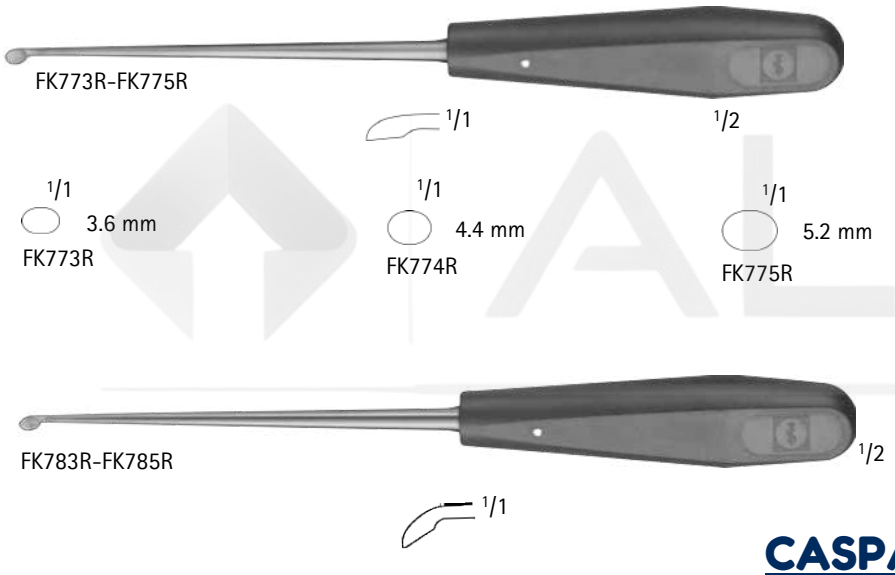
Curettes

BONE CURETTE, LONG, W/ PEEK HANDLE



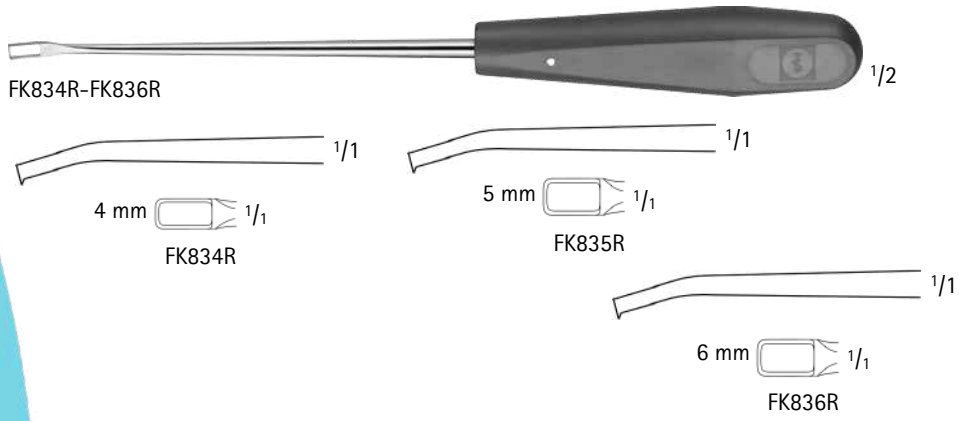
Catalog Number	Tip Size (#)	Tip Size (mm)	Length (in.)
FK666R	00	4.4	10 5/8
FK668R	1	6.8	10 5/8
FK670R	2	8.5	10 5/8
FK672R	3	10.0	10 5/8

CASPAR CURETTE, W/ PEEK HANDLE



Catalog Number	Tip Size (#)	Tip Size (mm)	Blade	Length (in.)
FK773R	000	3.6	STR	8 3/4
FK774R	00	4.4	STR	8 3/4
FK775R	0	5.2	STR	8 3/4
FK783R	000	3.6	CVD	8 3/4
FK784R	00	4.4	CVD	8 3/4
FK785R	0	5.2	CVD	8 3/4

CASPAR CURETTE, W/ PEEK HANDLE



Catalog Number	Tip Size (mm)	Tip	Length (in.)
FK834R	4	SQUARE	8 3/4
FK835R	5	SQUARE	8 3/4
FK836R	6	SQUARE	8 3/4

ORTHOPEDICS/SPINE

Curettes

CASPAR BONE CURETTE, TOOTHED



FK854R-FK855R



FK854R



FK855R

Catalog Number	Tip Size (mm)	Tip	Length (in.)
FK854R	4.0	SQUARE	9 3/4
FK855R	5.0	SQUARE	9 3/4

CASPAR BONE CURETTE, TOOTHED



FK863R-FK864R

FK863R



FK864R

Catalog Number	Tip Size (mm)	Tip	Length (in.)
FK863R	3.0	SQUARE, ANG	10 5/8
FK864R	4.0	SQUARE, ANG	10 5/8

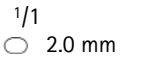
COBB CURETTE



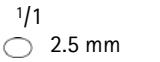
FK581R-FK589R



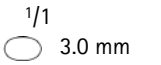
FK591R-FK599R



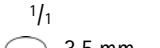
FK581R, FK591R



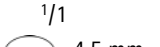
FK582R, FK592R



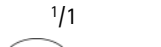
FK583R, FK593R



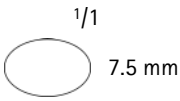
FK584R, FK594R



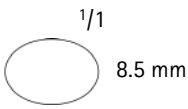
FK585R, FK595R



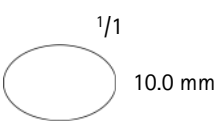
FK586R, FK596R



FK587R, FK597R



FK588R, FK598R



FK589R, FK599R

Catalog Number	Tip Size (#)	Tip Size (mm)	Tip	Length (in.)
FK581R	000	2.0	STR	11
FK582R	00	2.5	STR	11
FK583R	0	3.0	STR	11
FK584R	1	3.5	STR	11
FK585R	2	4.5	STR	11
FK586R	3	5.5	STR	11
FK587R	4	7.5	STR	11
FK588R	5	8.5	STR	11
FK589R	6	10.0	STR	11
FK591R	000	2.0	ANG	11
FK592R	00	2.5	ANG	11
FK593R	0	3.0	ANG	11
FK594R	1	3.5	ANG	11
FK595R	2	4.5	ANG	11
FK596R	3	5.5	ANG	11
FK597R	4	7.5	ANG	11
FK598R	5	8.5	ANG	11
FK599R	6	10.0	ANG	11

ORTHOPEDICS/SPINE

Curettes

COLORED CERVICAL CURETTE



1/2

MD216R-MD227R



MD216R-MD227R



MD234R-MD245R

1/2



MD234R-MD245R

Catalog Number	Tip Size (#)	Tip	Color	Length (in.)
MD216R	000000	STR	RED	10
MD217R	00000	STR	SILVER	10
MD218R	0000	STR	PURPLE	10
MD219R	000	STR	TURQUOISE	10
MD220R	00	STR	GOLD	10
MD221R	0	STR	GREEN	10
MD222R	1	STR	ORANGE	10
MD223R	2	STR	BLUE	10
MD224R	3	STR	GRAY	10
MD225R	4	STR	BLACK	10
MD226R	5	STR	BLACK	10
MD227R	6	STR	BLACK	10
MD234R	000000	ANG	RED	10
MD235R	00000	ANG	SILVER	10
MD236R	0000	ANG	PURPLE	10
MD237R	000	ANG	TURQUOISE	10
MD238R	00	ANG	GOLD	10
MD239R	0	ANG	GREEN	10
MD240R	1	ANG	ORANGE	10
MD241R	2	ANG	BLUE	10
MD242R	3	ANG	GRAY	10
MD243R	4	ANG	BLACK	10
MD244R	5	ANG	BLACK	10
MD245R	6	ANG	BLACK	10

COLORED CERVICAL CURETTE



MD309R-MD320R

1/2



MD309R-MD320R



MD383R-MD394R

1/2



MD383R-MD394R

Catalog Number	Tip Size (#)	Tip	Color	Length (in.)
MD309R	000000	REVERSE ANG	RED	10
MD310R	00000	REVERSE ANG	SILVER	10
MD311R	0000	REVERSE ANG	PURPLE	10
MD312R	000	REVERSE ANG	TURQUOISE	10
MD313R	00	REVERSE ANG	GOLD	10
MD314R	0	REVERSE ANG	GREEN	10
MD315R	1	REVERSE ANG	ORANGE	10
MD316R	2	REVERSE ANG	BLUE	10
MD317R	3	REVERSE ANG	GRAY	10
MD318R	4	REVERSE ANG	BLACK	10
MD319R	5	REVERSE ANG	BLACK	10
MD320R	6	REVERSE ANG	BLACK	10
MD383R	000000	ANG 90°	RED	10
MD384R	00000	ANG 90°	SILVER	10
MD385R	0000	ANG 90°	PURPLE	10
MD386R	000	ANG 90°	TURQUOISE	10
MD387R	00	ANG 90°	GOLD	10
MD388R	0	ANG 90°	GREEN	10
MD389R	1	ANG 90°	ORANGE	10
MD390R	2	ANG 90°	BLUE	10
MD391R	3	ANG 90°	GRAY	10
MD392R	4	ANG 90°	BLACK	10
MD393R	5	ANG 90°	BLACK	10
MD394R	6	ANG 90°	BLACK	10

ORTHOPEDICS/SPINE

Curettes

COLORED LUMBAR CURETTE

Catalog Number	Tip Size (#)	Tip	Color	Length (in.)
MD500R	000000	STR	RED	13 3/4
MD501R	00000	STR	SILVER	13 3/4
MD502R	0000	STR	PURPLE	13 3/4
MD503R	000	STR	TURQUOISE	13 3/4
MD504R	00	STR	GOLD	13 3/4
MD505R	0	STR	GREEN	13 3/4
MD506R	1	STR	ORANGE	13 3/4
MD507R	2	STR	BLUE	13 3/4
MD508R	3	STR	GRAY	13 3/4
MD509R	4	STR	BLACK	13 3/4
MD510R	5	STR	BLACK	13 3/4
MD511R	6	STR	BLACK	13 3/4
MD620R	000000	ANG	RED	13 3/4
MD621R	00000	ANG	SILVER	13 3/4
MD622R	0000	ANG	PURPLE	13 3/4
MD623R	000	ANG	TURQUOISE	13 3/4
MD624R	00	ANG	GOLD	13 3/4
MD625R	0	ANG	GREEN	13 3/4
MD626R	1	ANG	ORANGE	13 3/4
MD627R	2	ANG	BLUE	13 3/4
MD628R	3	ANG	GRAY	13 3/4
MD629R	4	ANG	BLACK	13 3/4
MD630R	5	ANG	BLACK	13 3/4
MD631R	6	ANG	BLACK	13 3/4
MD632R	000000	REVERSE ANG	RED	13 3/4
MD633R	00000	REVERSE ANG	SILVER	13 3/4
MD634R	0000	REVERSE ANG	PURPLE	13 3/4
MD635R	000	REVERSE ANG	TURQUOISE	13 3/4
MD636R	00	REVERSE ANG	GOLD	13 3/4
MD637R	0	REVERSE ANG	GREEN	13 3/4
MD638R	1	REVERSE ANG	ORANGE	13 3/4
MD639R	2	REVERSE ANG	BLUE	13 3/4
MD640R	3	REVERSE ANG	GRAY	13 3/4
MD641R	4	REVERSE ANG	BLACK	13 3/4
MD642R	5	REVERSE ANG	BLACK	13 3/4
MD643R	6	REVERSE ANG	BLACK	13 3/4



MD500R-MD511R 1/2



MD500R-MD511R 1/1



MD620R-MD631R 1/2



MD620R-MD631R 1/1



MD632R-MD643R 1/2



MD632R-MD643R 1/1

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ORTHOPEDICS/SPINE

Curettes

BAYONET CURETTE





MD660R-MD664R



MD655R-MD659R



MA665R-MD669R

Catalog Number	Tip	Tip Size (#)	Length (in.)
MD660R	STR	0	9
MD661R	STR	00	9
MD662R	STR	000	9
MD663R	STR	0000	9
MD664R	STR	00000	9
MD655R	REVERSE ANG UP	0	9
MD656R	REVERSE ANG UP	00	9
MD657R	REVERSE ANG UP	000	9
MD658R	REVERSE ANG UP	0000	9
MD659R	REVERSE ANG UP	00000	9
MD665R	REVERSE ANG DOWN	0	9
MD666R	REVERSE ANG DOWN	00	9
MD667R	REVERSE ANG DOWN	000	9
MD668R	REVERSE ANG DOWN	0000	9
MD669R	REVERSE ANG DOWN	00000	9

BLACK HANDLE CURETTE





MN012R-MN021R



MN022R-MN031R



MN032R-MN041R

Catalog Number	Tip	Tip Size (#)	Handle	Length (in.)
MN012R	STR	000	8 1/2	13 1/4
MN013R	STR	00	8 1/2	13 1/4
MN014R	STR	0	8 1/2	13 1/4
MN015R	STR	1	8 1/2	13 1/4
MN016R	STR	2	8 1/2	13 1/4
MN017R	STR	3	8 1/2	13 1/4
MN018R	STR	4	8 1/2	13 1/4
MN019R	STR	5	8 1/2	13 1/4
MN020R	STR	6	8 1/2	13 1/4
MN021R	STR	7	8 1/2	13 1/4
MN022R	ANG	000	8 1/2	13 1/4
MN023R	ANG	00	8 1/2	13 1/4
MN024R	ANG	0	8 1/2	13 1/4
MN025R	ANG	1	8 1/2	13 1/4
MN026R	ANG	2	8 1/2	13 1/4
MN027R	ANG	3	8 1/2	13 1/4
MN028R	ANG	4	8 1/2	13 1/4
MN029R	ANG	5	8 1/2	13 1/4
MN030R	ANG	6	8 1/2	13 1/4
MN031R	ANG	7	8 1/2	13 1/4
MN032R	REVERSE ANG	000	8 1/2	13 1/4
MN033R	REVERSE ANG	00	8 1/2	13 1/4
MN034R	REVERSE ANG	0	8 1/2	13 1/4
MN035R	REVERSE ANG	1	8 1/2	13 1/4
MN036R	REVERSE ANG	2	8 1/2	13 1/4
MN037R	REVERSE ANG	3	8 1/2	13 1/4
MN038R	REVERSE ANG	4	8 1/2	13 1/4
MN039R	REVERSE ANG	5	8 1/2	13 1/4
MN040R	REVERSE ANG	6	8 1/2	13 1/4
MN041R	REVERSE ANG	7	8 1/2	13 1/4

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Curettes

XL BLACK HANDLED CURETTE

Catalog Number	Tip	Tip Size (#)	Handle	Length (in.)
MN042R	STR	000	9	15
MN043R	STR	00	9	15
MN044R	STR	0	9	15
MN045R	STR	1	9	15
MN046R	STR	2	9	15
MN047R	STR	3	9	15
MN048R	STR	4	9	15
MN049R	STR	5	9	15
MN050R	STR	6	9	15
MN051R	STR	7	9	15
MN052R	ANG	000	9	15
MN053R	ANG	00	0	15
MN054R	ANG	0	0	15
MN055R	ANG	1	9	15
MN056R	ANG	2	9	15
MN057R	ANG	3	9	15
MN058R	ANG	4	9	15
MN059R	ANG	5	9	15
MN060R	ANG	6	9	15
MN061R	ANG	7	9	15
MN062R	REVERSE ANG	000	9	15
MN063R	REVERSE ANG	00	9	15
MN064R	REVERSE ANG	0	9	15
MN065R	REVERSE ANG	1	9	15
MN066R	REVERSE ANG	2	9	15
MN067R	REVERSE ANG	3	9	15
MN068R	REVERSE ANG	4	9	15
MN069R	REVERSE ANG	5	9	15
MN070R	REVERSE ANG	6	9	15
MN071R	REVERSE ANG	7	9	15



1/3



MN042R-MN051R



MN052R-MN061R



MN062R-MN071R

ORTHOPEDICS/SPINE

Curettes and Microdissecting Instruments

MICRO PRO LE INSTRUMENTS





MN087R-MN088R



MN077R-MN085R



MN087R-MN086R

Catalog Number	Description	Tip Size (#)	Tip	Length (in.)
MN087R	DISSECTOR	3 MM	STR	10 1/4
MN088R	DISSECTOR	5 MM	STR	10 1/4
MN077R	CURETTE	1	ANG	10 1/4
MN079R	CURETTE	2	ANG	10 1/4
MN081R	CURETTE	3	ANG	10 1/4
MN083R	CURETTE	4	ANG	10 1/4
MN085R	CURETTE	5	ANG	10 1/4
MN078R	CURETTE	1	REV-ANG	10 1/4
MN080R	CURETTE	2	REV-ANG	10 1/4
MN082R	CURETTE	3	REV-ANG	10 1/4
MN084R	CURETTE	4	REV-ANG	10 1/4
MN086R	CURETTE	5	REV-ANG	10 1/4

ORTHOPEDICS/SPINE

Microdiscectomy Instruments










BACK STR


BACK ANG


FWD DOWN


BACK DOWN


FWD STR


FWD ANG

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ORTHOPEDICS/SPINE

Microdiscectomy Instruments

MICRODISECECTOMY CERVICAL INSTRUMENTS

Catalog Number	Tip Size (#)	Tip	Length (in.)
MF250	COMPLETE SET (Includes One Each of All Items Listed)		
MF251R	0	FWD STR	8 1/2
MF252R	00	FWD STR	8 1/2
MF253R	000	FWD STR	8 1/2
MF254R	0000	FWD STR	8 1/2
MF255R	Bone Cutter	FWD STR	8 1/2
MF256R	0	FWD ANG	8 1/2
MF257R	00	FWD ANG	8 1/2
MF258R	000	FWD ANG	8 1/2
MF259R	0000	FWD ANG	8 1/2
MF260R	Bone Cutter	FWD ANG	8 1/2
MF261R	0	BACK STR	8 1/2
MF262R	00	BACK STR	8 1/2
MF263R	000	BACK STR	8 1/2
MF264R	0000	BACK STR	8 1/2
MF265R	Bone Cutter	BACK STR	8 1/2
MF266R	0	BACK ANG	8 1/2
MF267R	00	BACK ANG	8 1/2
MF268R	000	BACK ANG	8 1/2
MF269R	0000	BACK ANG	8 1/2
MF270R	Bone Cutter	BACK ANG	8 1/2
MF321R		MICRO NERVE HOOK	8 1/2
MF322R		ULTRA MICRO NERVE HOOK	8 1/2
MF323R		BONE WAXER	8 1/2
MF320	Case - 12 Instruments (Set includes 2 cases)		

MICRODISCECTOMY CERVICAL LONG INSTRUMENTS

Catalog Number	Tip Size (#)	Tip	Length (in.)
MF271	COMPLETE SET (Indludes One Each of All Items Listed)		
MF272R	0	FWD STR	9 1/2
MF273R	00	FWD STR	9 1/2
MF274R	000	FWD STR	9 1/2
MF275R	0000	FWD STR	9 1/2
MF276R	Bone Cutter	FWD STR	9 1/2
MF277R	0	FWD ANG	9 1/2
MF278R	00	FWD ANG	9 1/2
MF279R	000	FWD ANG	9 1/2
MF280R	0000	FWD ANG	9 1/2
MF281R	Bone Cutter	FWD ANG	9 1/2
MF282R	0	BACK STR	9 1/2
MF283R	00	BACK STR	9 1/2
MF284R	000	BACK STR	9 1/2
MF285R	0000	BACK STR	9 1/2
MF286R	Bone Cutter	BACK STR	9 1/2
MF287R	0	BACK ANG	9 1/2
MF288R	00	BACK ANG	9 1/2
MF289R	000	BACK ANG	9 1/2
MF290R	0000	BACK ANG	9 1/2
MF291R	Bone Cutter	BACK ANG	9 1/2
MF292R		NERVE HOOK	9 1/2
MF293R		ULTRA MICRO NERVE HOOK	9 1/2
MF294R			9 1/2
MF320	Case - 12 Instruments (Set includes 2 cases)		



BACK STR



BACK ANG



BACK DOWN



FWD STR

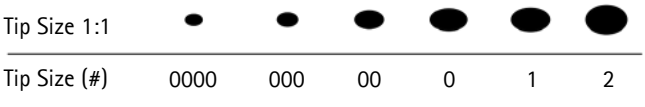


FWD ANG



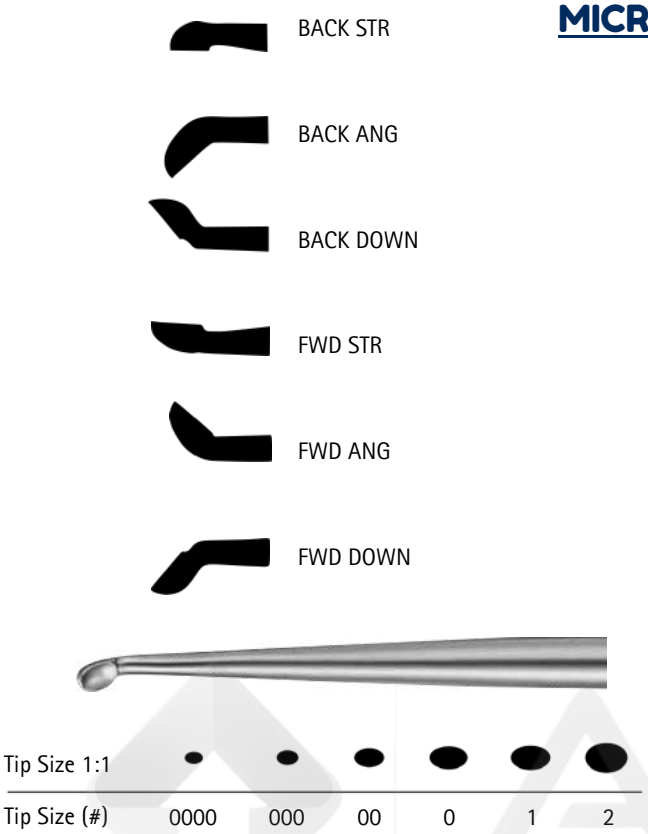
FWD DOWN





ORTHOPEDICS/SPINE

Microdiscectomy Instruments

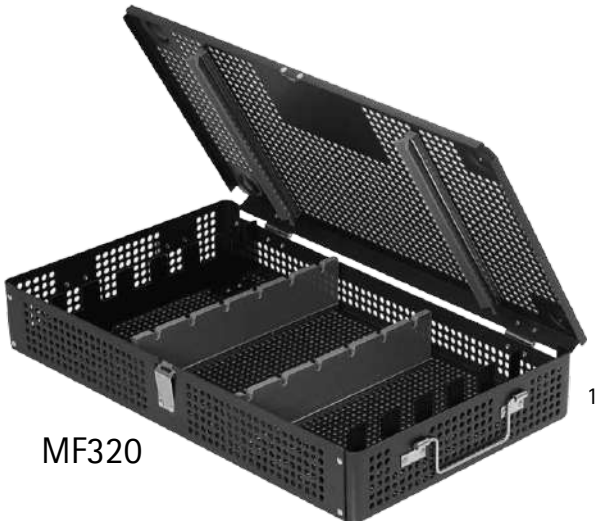


MICRODISCECTOMY LUMBAR INSTRUMENTS

Catalog Number	Tip Size (#)	Tip	Length (in.)
MF295	COMPLETE SET (Includes One Each of All Items Listed)		
MF296R	0	FWD STR	9 1/2
MF297R	1	FWD STR	9 1/2
MF298R	2	FWD STR	9 1/2
MF299R	0	FWD ANG	9 1/2
MF300R	1	FWD ANG	9 1/2
MF301R	2	FWD ANG	9 1/2
MF302R	0	FWD DOWN	9 1/2
MF303R	1	FWD DOWN	9 1/2
MF304R	2	FWD DOWN	9 1/2
MF305R	0	BACK STR	9 1/2
MF306R	1	BACK STR	9 1/2
MF307R	2	BACK STR	9 1/2
MF308R	0	BACK ANG	9 1/2
MF309R	1	BACK ANG	9 1/2
MF310R	2	BACK ANG	9 1/2
MF311R	0	BACK DOWN	9 1/2
MF312R	1	BACK DOWN	9 1/2
MF313R	2	BACK DOWN	9 1/2
MF314R		#1 PENFIELD	9 1/2
MF315R		#2 PENFIELD	9 1/2
MF316R		NERVE HOOK	9 1/2
MF317R		#4 PENFIELD	9 1/2
MF318R		BONE WAXER	9 1/2
MF319R		SPINE PROBE	9 1/2
MF320	Case - 12 Instruments (Set includes 2 cases)		

STORAGE CASE FOR MICRODISCECTOMY INSTRUMENTS

Catalog Number
MF320



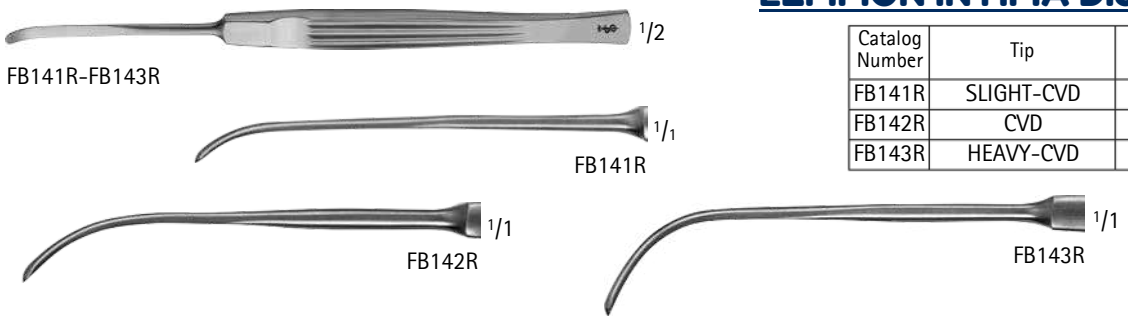
MF320

1/4

ORTHOPEDICS/SPINE

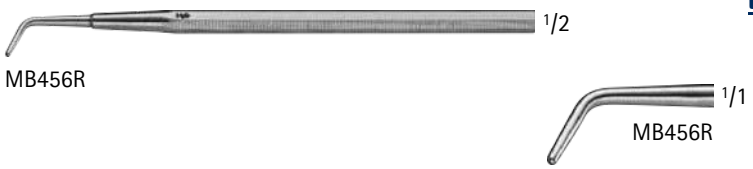
Dissectors and Probes

LEMMON INTIMA DISSECTOR



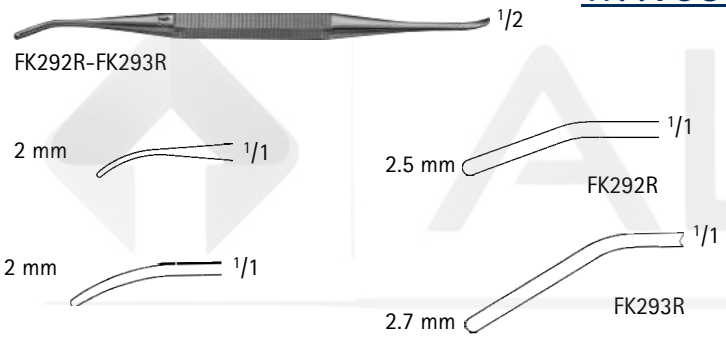
Catalog Number	Tip	Length (in.)
FB141R	SLIGHT-CVD	6 1/2
FB142R	CVD	6 1/2
FB143R	HEAVY-CVD	6 1/2

BUNNELL DISSECTING PROBE



Catalog Number	Tip	Length (in.)
MB456R	ANG	5 1/2

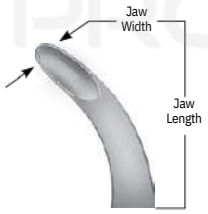
WATSON-CHEYNE DISSECTOR, DOUBLE ENDED



Catalog Number	Blade Size (mm)	Length (in.)
FK292R	2 / 2.5	5 1/8
FK293R	2 / 2.7	7 1/2

ORTHOPEDICS/SPINE

Rongeurs



Rongeur jaw measurement guide

STELLBRINK SYNOVECTOMY RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO399R	2.0 x 39.5	SLIGHT-CVD	6 7/8
FO400R	2 x 33	CVD	6 3/4

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ORTHOPEDICS/SPINE

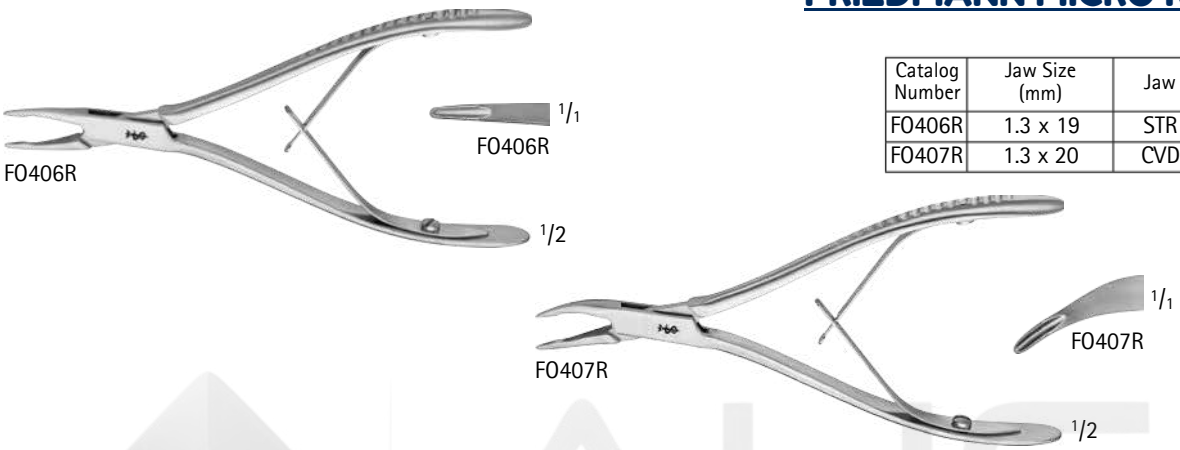
Rongeurs

SYNOVECTOMY RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO599R	1.8 x 24	CVD	5 1/8

FRIEDMANN MICRO RONGEUR



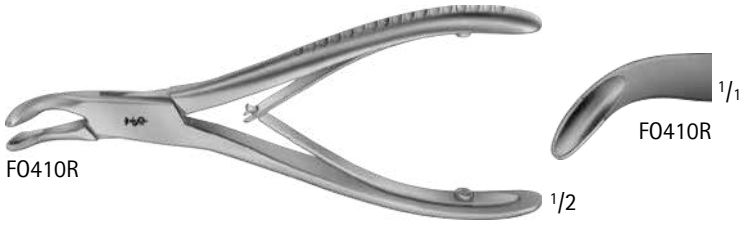
Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO406R	1.3 x 19	STR	5 1/2
FO407R	1.3 x 20	CVD	5 1/2

LUER-FRIEDMANN BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO409R	2.2 x 22	CVD	5 3/4

BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO410R	3.8 x 19	CVD	5 1/2

HAKANSSON BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO428R	4.5 x 24	CVD	6 3/4

ORTHOPEDICS/SPINE

Rongeurs

LUER BONE RONGEUR

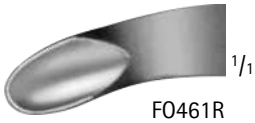

FO460R-FO463R 1/2


1/1 FO460R


1/1 FO462R


1/1 FO411R


1/1 FO412R


1/1 FO461R


1/1 FO463R

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO460R	7.5 x 25	STR	6 7/8
FO462R	9.5 x 33	STR	7
FO411R	4.2 x 20	CVD	6
FO412R	4.2 x 26	STRONG CVD	6 1/8
FO461R	7.5 x 24.5	CVD	6 7/8
FO463R	9.0 x 30	CVD	7

BLUMENTHAL BONE RONGEUR


FO415R 1/2


1/1 FO415R

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO415R	3.5 x 25	30° CVD	6 1/8
FO416R	3.5 x 22	45° CVD	6


FO416R 1/2


1/1 FO416R

JANSEN BONE RONGEUR

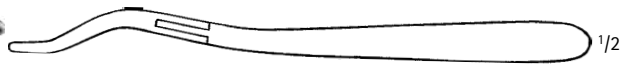

FO430R-FO432R 1/2


1/1 FO430R


1/1 FO432R

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO430R	4.2 x 35	STR	6 7/8
FO432R	4.5 x 30	CVD	6 7/8
FO442R	3.8 x 37	ANG	7 1/2


FO442R 1/2


1/2


1/1 FO442R

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ORTHOPEDICS/SPINE

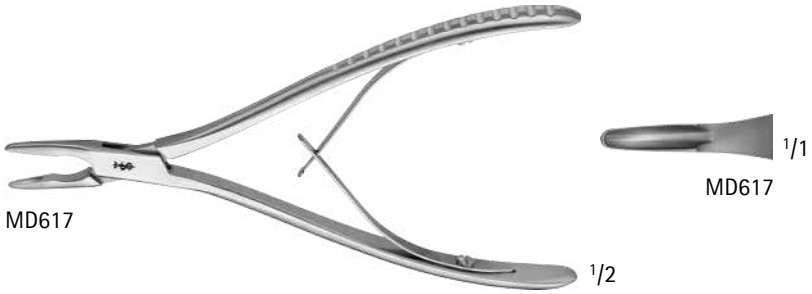
Rongeurs

ALEXANDER BONE RONGEUR

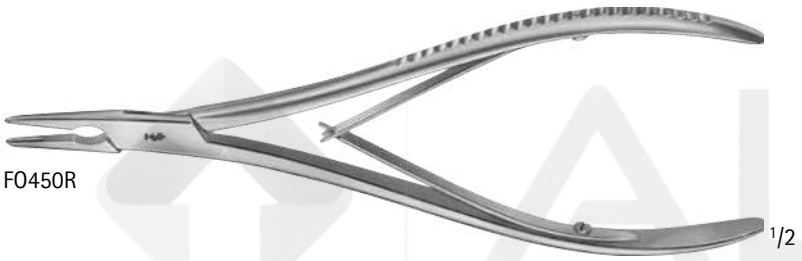


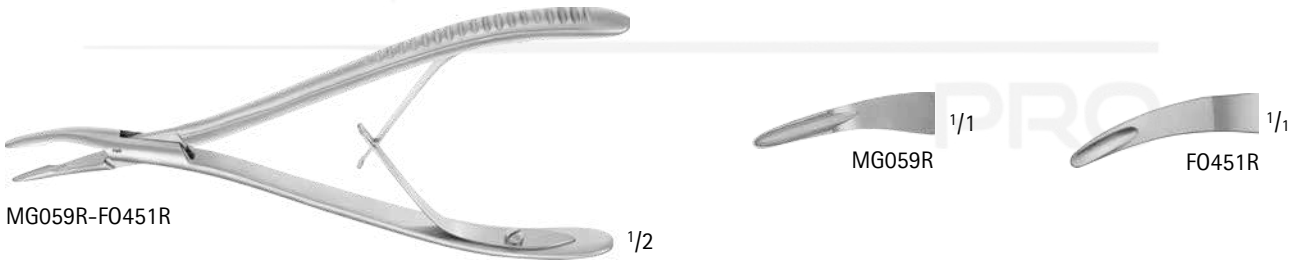
Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO440R	3.2 x 27	ANG	5 1/2

LEMPERT BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
MD617	2.0 x 23	DEL, STR	6 1/2
FO450R	2.2 x 27	STR	7 7/8
MG059R	2.5 x 30	CVD	6 1/4
FO451R	2.2 x 27	CVD	7 7/8





BEYER BONE RONGEUR

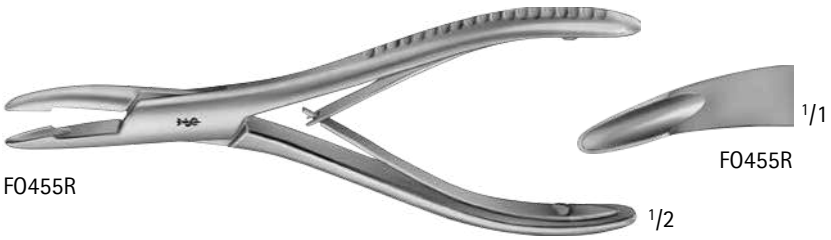


Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO453R	3.2 x 32	CVD	7

ORTHOPEDICS/SPINE

Rongeurs

MEAD BONE RONGEUR



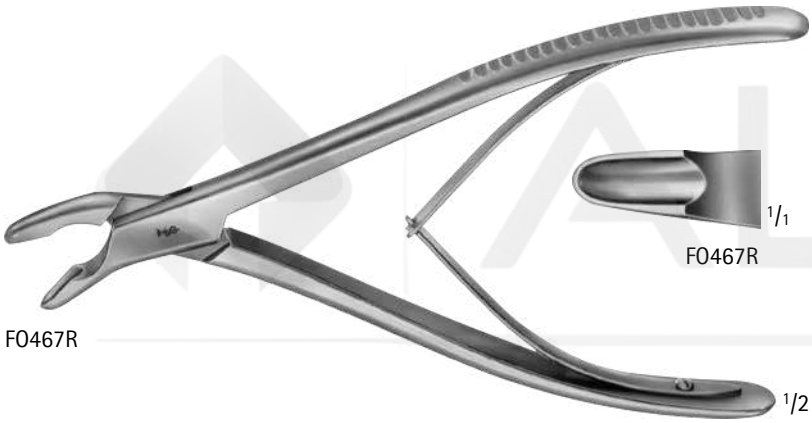
Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO455R	3.5 x 30	CVD	6 1/2

BANE-HARTMANN BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO457R	4.0 x 32	CVD	6 7/8

TROTTER BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO467R	6.5 x 24	CVD	8

OLIVECRONA BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO470R	5.0 x 36.5	CVD	8

GULEKE BONE RONGEUR

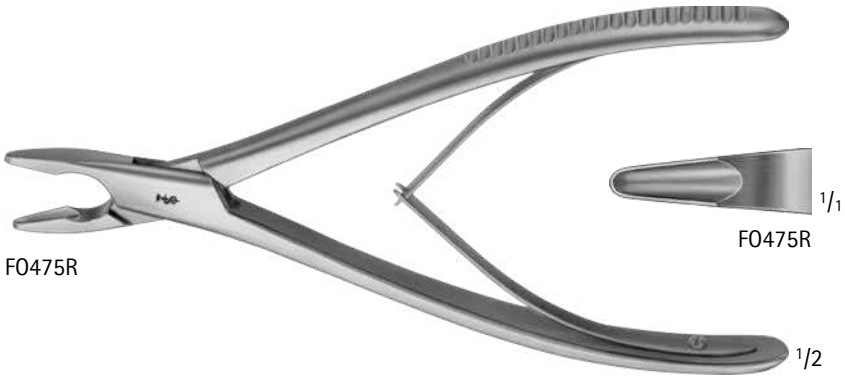


Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO472R	6.5 x 27	CVD	8

ORTHOPEDICS/SPINE

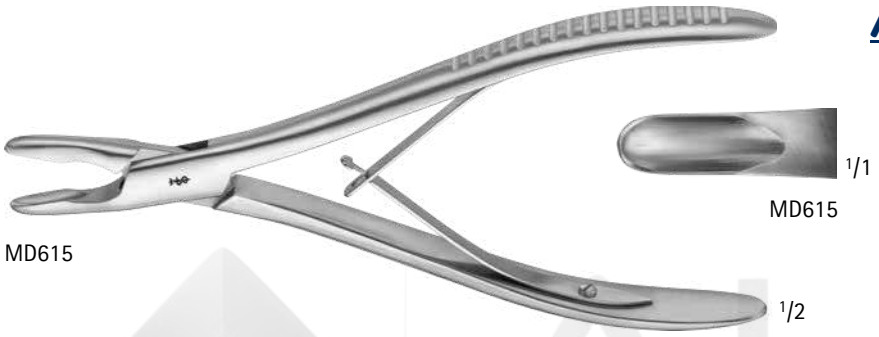
Rongeurs

PENNYBACKER BONE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO475R	4.0 x 26	STR	8

ADSON CRANIAL RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
MD615	21.0 x 31.5	STR	7 7/8

KLEINERT-KUTZ RONGEUR, DOUBLE ACTION



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
MG060R	3.0 x 15.0	SLIGHT, CVD	6 1/8

BOEHLER BONE RONGEUR, DOUBLE ACTION



Catalog Number	Jaw Size (mm)	Jaw	Jaw End	Length (in.)
FO500R	3.0 x 27.0	CVD	NARR	6 1/8
FO502R	3.5 x 30.0	CVD	WIDE	6 1/8

ORTHOPEDICS/SPINE

Rongeurs

BEYER BONE RONGEUR, DOUBLE ACTION



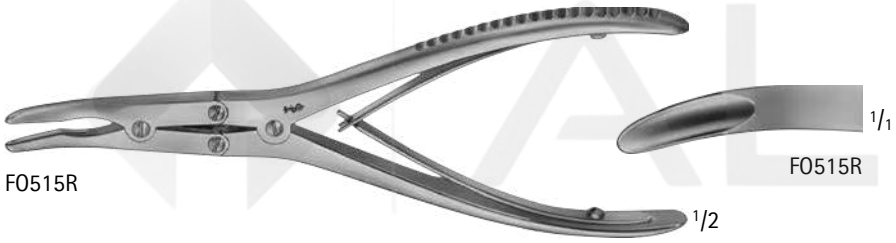
Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO514R	4.0 x 30.0	CVD	7

MAYFIELD BONE RONGEUR, DOUBLE ACTION



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO511R	3.5 x 23	CVD	6 7/8

ZAUFAL-JANSEN BONE RONGEUR, DOUBLE ACTION

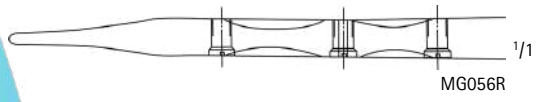


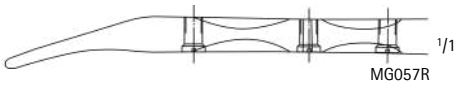
Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO515R	4.5 x 29.0	CVD	7

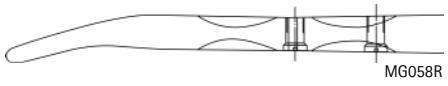
RUSKIN BONE RONGEUR, DOUBLE ACTION



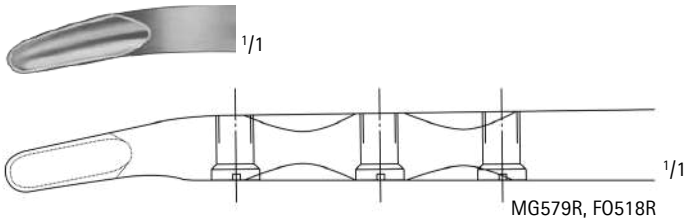
Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
MG056R	2	STR, MINI	6 1/4
MG057R	2	CVD, MINI	6 1/4
MG058R	3	CVD, MINI	6 1/4
FO518R	5	CVD	7 1/2
MG579R	6	CVD	7 1/4











Rongeurs

MARQUARDT BONE RONGEUR, DOUBLE ACTION



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO520R	3.5 x 15.5	CVD	7 7/8

ROETTGEN-RUSKIN BONE RONGEUR, DOUBLE ACTION



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO521R	6.3 x 30	CVD	9 1/2

SMITH-PETERSON RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
MG577R	3	STR	9 1/2

ECHLIN BONE RONGEUR, DOUBLE ACTION, DUCKBILL



Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO522R	2 x 10	ANG	9
FO523R	3 x 10	ANG	9

Rongeurs

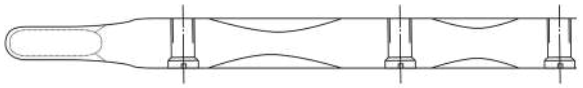
LEKSELL BONE RONGEUR, DOUBLE ACTION, DUCKBILL



MG581R

1/2

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
MG581R	5	FULL CVD	9
FO526R	5 x 16	ANG	9 5/8
FO527R	3 x 16	ANG	9 5/8



1/1

MG581R



FO526R-FO527R

1/2



1/1

FO526R



1/1

FO527R

FRYKHOLM BONE RONGEUR, DOUBLE ACTION



FO525R

1/2

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO525R	4.5 x 25	ANG	9 1/2



1/1

FO525R

STILLE BONE RONGEUR, DOUBLE ACTION, DUCKBILL



FO530R

1/2

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO530R	7.0 x 25	ANG	9



1/1

FO530R

ORTHOPEDICS/SPINE

Rongeurs

LEKSELL-STILLE BONE RONGEUR, DOUBLE ACTION, DUCKBILL

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO532R	7.5 x 29.5	ANG	9 1/2



FO532R

1/2

1/1

FO532R

SYPERT BONE RONGEUR, DOUBLE ACTION

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FG052R	8.0 x 35.0	ANG	14 1/4



FG052R

1/3

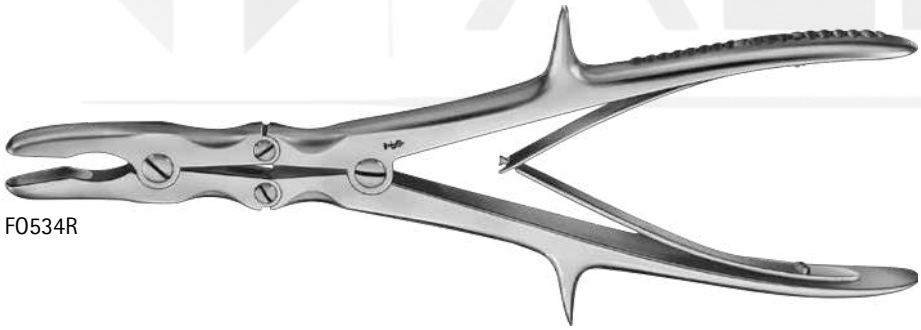


1/1

FG052R

STILLE-RUSKIN BONE RONGEUR, DOUBLE ACTION

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO534R	8.0 x 34.0	CVD	9 1/2



FO534R

1/2



1/1

FO534R

SAUERBRUCH-CORYLLOS RONGEUR, DOUBLE ACTION

Catalog Number	Length (in.)
FO570R	12 1/4
FO572R	12 1/4



FO570R-FO572R

1/3



1/1

FO570R



1/1

FO572R

Rongeurs

LUER-STILLE BONE RONGEUR, DOUBLE ACTION

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO550R	10.5 x 27.5	STR	8 7/8
FO551R	10 x 26.5	CVD	8 7/8



FO550R-FO551R 1/2



1/1

FO550R

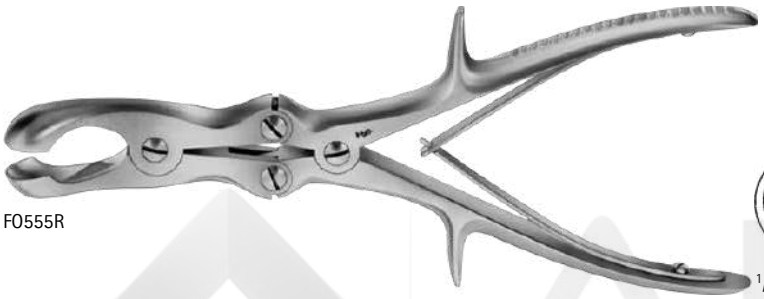


1/1

FO551R

SEMB BONE RONGEUR, DOUBLE ACTION

Catalog Number	Jaw Size (mm)	Jaw	Length (in.)
FO555R	16.5 x 38.5	CVD	9 1/2



FO555R 1/2



1/1

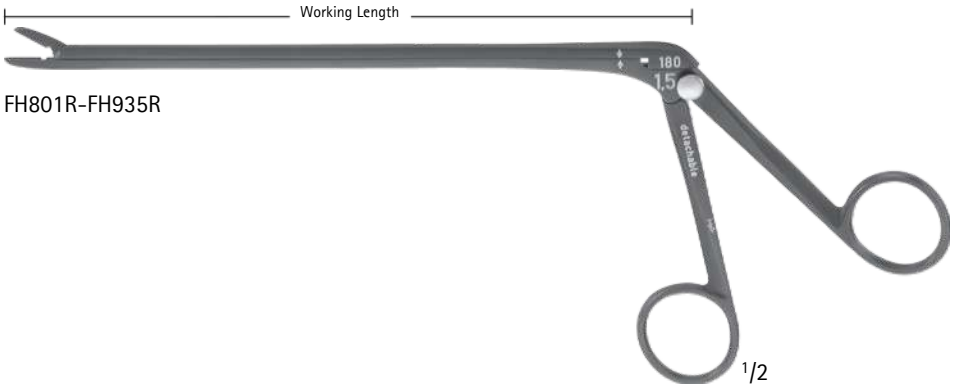


1/1

FO555R

ORTHOPEDICS/SPINE

Alis Pro Rongeurs



FH801R-FH935R

1/2



straight



up



ALIS PRO DETACHABLE RONGEURS

Working Length (in.)	Jaw	Jaw	1.5 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm
6		STR	FH801B	FH802B	FH803B	FH804B	FH805B
6		UP	FH901B	FH902B	FH903B	FH904B	FH905B
7		STR	FH811B	FH812B	FH813B	FH814B	FH815B
7		UP	FH911B	FH912B	FH913B	FH914B	FH915B
7 7/8		STR	FH821B	FH822B	FH823B	FH824B	FH825B
7 7/8		UP	FH921B	FH922B	FH923B	FH924B	FH925B
9		STR	FH891B	FH892B	FH893B	FH894B	FH895B
9		UP	FH931B	FH932B	FH933B	FH934B	FH935B
11		STR	-	-	FH837B	FH838B	FH839B

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ORTHOPEDICS/SPINE

Alis Pro Rongeurs



FH851R-FH985R

1/2



straight



up



ALIS PRO DETACHABLE RONGEUR

Working Length (in.)	Jaw	Jaw	1.5 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm
6		STR	FH851B	FH852B	FH853B	FH854B	FH855B
7		UP	FH951B	FH952B	FH953B	FH954B	FH955B
7		STR	FH861B	FH862B	FH863B	FH864B	FH865B
7		UP	FH961B	FH962B	FH963B	FH964B	FH965B
7 7/8		STR	FH871B	FH872B	FH873B	FH874B	FH875B
7 7/8		UP	FH971B	FH972B	FH973B	FH974B	FH975B
9		STR	FH881B	FH882B	FH883B	FH884B	FH885B
9		UP	FH981B	FH982B	FH983B	FH984B	FH985B
11		STR	-	-	FH847B	FH848B	FH849B

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ORTHOPEDICS/SPINE

Rongeurs

CASPAR RONGEUR W/ TEETH



FF502R-FF566R

1/2

1/1
FF502R, FF532R, FF562R

1/1
FF504R, FF534R, FF564R

1/1
FF536R, FF566R

1/1
FF503R, FF533R, FF563R

1/1
FF535R, FF565R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FF502R	2 x 12	STR	5 1/2
FF532R	2 x 12	STR	6 1/4
FF562R	2 x 12	STR	7 1/4
FF503R	3 x 12	STR	5 1/2
FF533R	3 x 12	STR	6 1/4
FF563R	3 x 12	STR	7 1/4
FF504R	4 x 14	STR	5 1/2
FF534R	4 x 14	STR	6 1/4
FF564R	4 x 14	STR	7 1/4
FF535R	5 x 14	STR	6 1/4
FF565R	5 x 14	STR	7 1/4
FF536R	6 x 16	STR	6 1/4
FF566R	6 x 16	STR	7 1/4
FF513R	3 x 12	UP	5 1/2
FF543R	3 x 12	UP	6 1/4
FF573R	3 x 12	UP	7 1/4
FF514R	4 x 14	UP	5 1/2
FF544R	4 x 14	UP	6 1/4
FF574R	4 x 14	UP	7 1/4
FF545R	5 x 14	UP	6 1/4
FF575R	5 x 14	UP	7 1/4



FF513R-FF575R

1/2

1/1
FF513R, FF543R, FF573R

1/1
FF514R, FF544R, FF574R

1/1
FF545R, FF575R

CASPAR RONGEUR W/ TEETH (CONTINUED)



FF523R-FF584R

1/2

1/1
FF523R, FF553R, FF583R

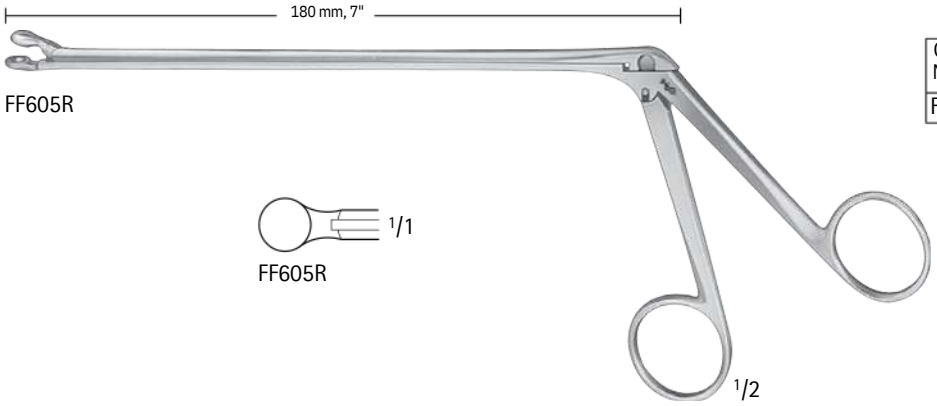
1/1
FF524R, FF554R, FF584R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FF523R	3 x 12	DOWN	5 1/2
FF553R	3 x 12	DOWN	6 1/4
FF583R	3 x 12	DOWN	7 1/4
FF524R	4 x 14	DOWN	5 1/2
FF554R	4 x 14	DOWN	6 1/4
FF584R	4 x 14	DOWN	7 1/4

ORTHOPEDICS/SPINE

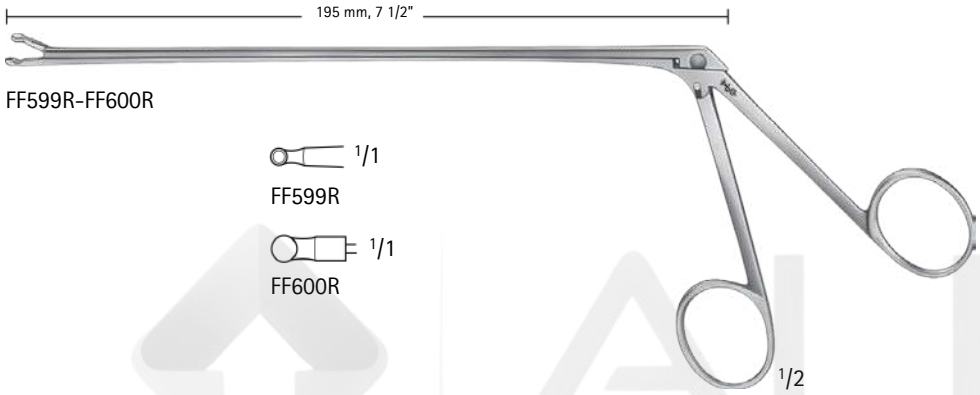
Rongeurs

OLDBERG RONGEUR



Catalog Number	Diameter (mm)	Working Length (in.)
FF605R	7.0	7

YASARGIL RONGEUR



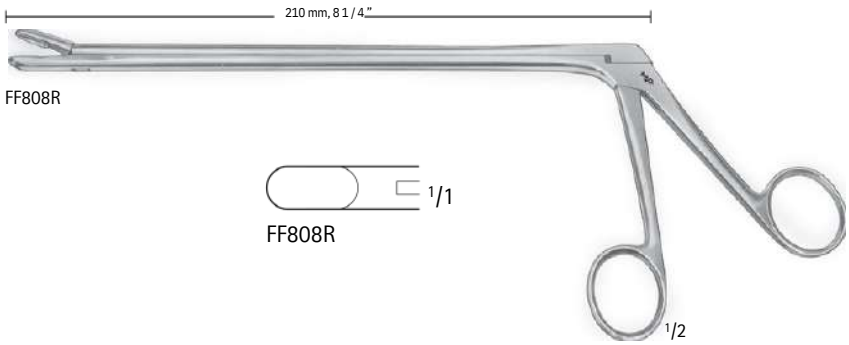
Catalog Number	Diameter (mm)	Working Length (in.)
FF599R	2.2	7 1/2
FF600R	3.5	7 1/2

BECK RONGEUR



Catalog Number	Jaw Size (mm)	Working Length (in.)
FF765R	2 x 10	5 1/8

WAGNER RONGEUR

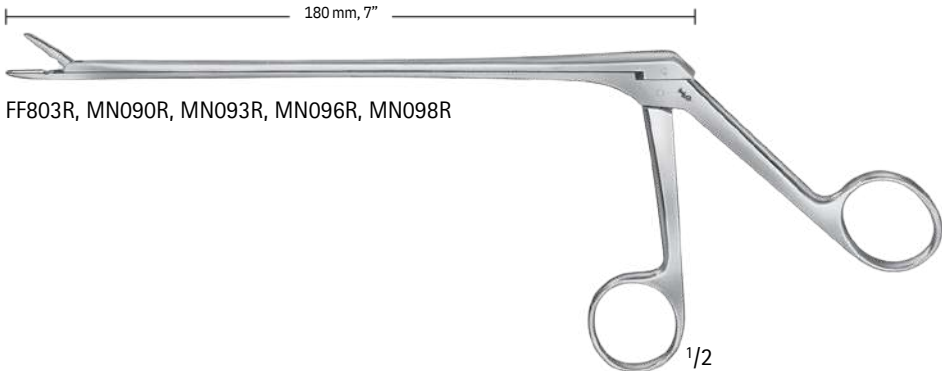


Catalog Number	Jaw Size (mm)	Working Length (in.)
FF808R	5.5	8 1/4

ORTHOPEDICS/SPINE

Rongeurs

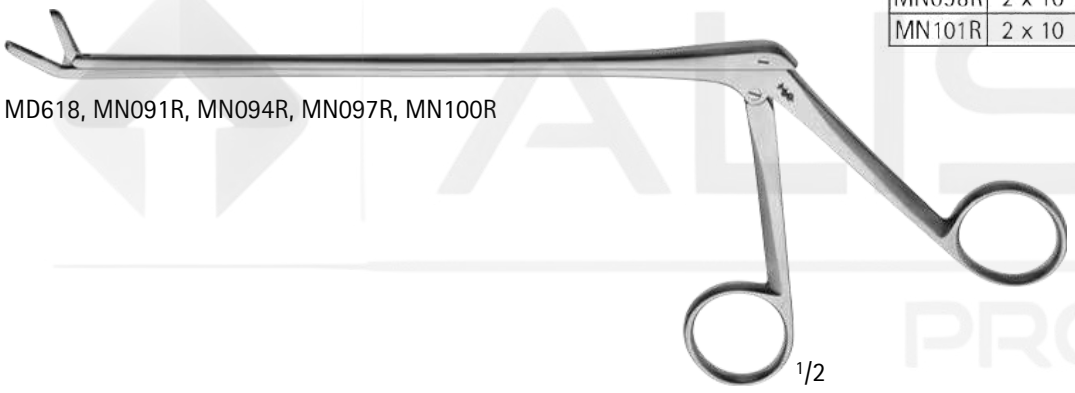
CUSHING RONGEUR



FF803R, MN090R, MN093R, MN096R, MN098R

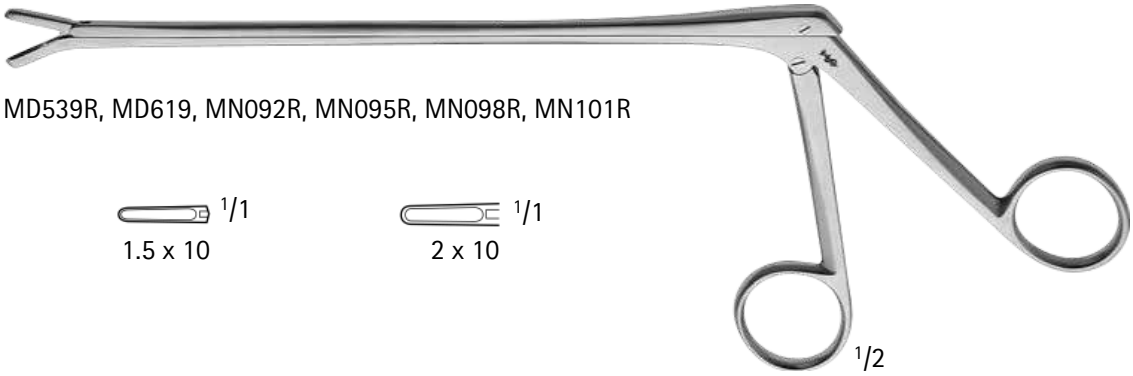
1/2

Catalog Number	Jaw Size (mm)	Jaw	Style	Working Length (in.)
MD537R	1.5 x 10	STR	STANDARD	7
MN090R	1.5 x 10	STR	DELICATE	9
FF803R	2 x 10	STR	-	7
MN093R	2 x 10	STR	STANDARD	9
MN096R	2 x 10	STR	STANDARD	11
MN099R	2 x 10	STR	STANDARD	12
MD538R	1.5 x 10	UP	STANDARD	7
MD618	2 x 10	UP	-	7
MN091R	1.5 x 10	UP	DELICATE	9
MN094R	2 x 10	UP	STANDARD	9
MN097R	2 x 10	UP	STANDARD	11
MN100R	2 x 10	UP	STANDARD	12
MD539R	1.5 x 10	DOWN	STANDARD	7
MN092R	1.5 x 10	DOWN	DELICATE	9
MD619	2 x 10	DOWN	-	7
MN095R	2 x 10	DOWN	STANDARD	9
MN098R	2 x 10	DOWN	STANDARD	11
MN101R	2 x 10	DOWN	STANDARD	12



MD618, MN091R, MN094R, MN097R, MN100R

1/2



MD539R, MD619, MN092R, MN095R, MN098R, MN101R

1/1

1.5 x 10

1/1

2 x 10

1/2

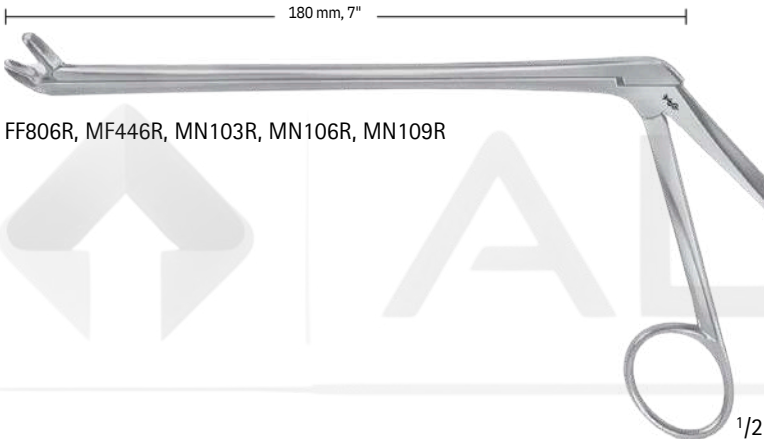
Rongeurs

LOVE-GRUENWALD RONGEUR

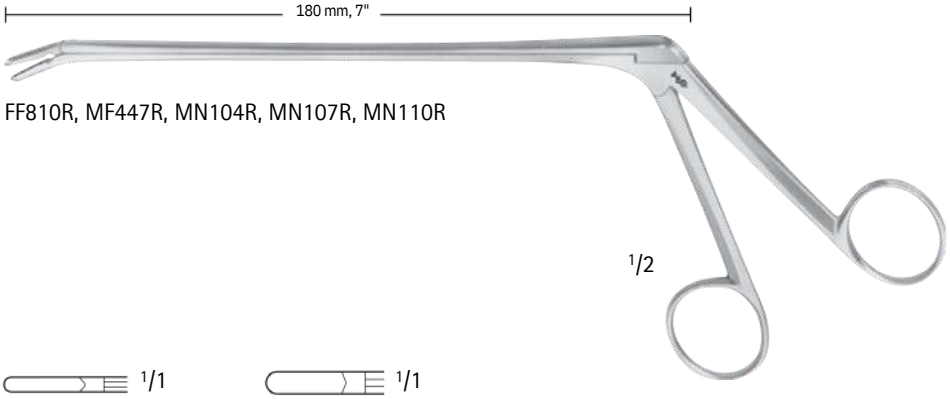


FF805R, MN102R, MN105R, MN108R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FF805R	3 x 10	STR	7
MN102R	3 x 10	STR	9
MN105R	3 x 10	STR	11
MN108R	3 x 10	STR	12
MF446R	2 x 10	UP	5
FF806R	3 x 10	UP	7
MN103R	3 x 10	UP	9
MN106R	3 x 10	UP	11
MN109R	3 x 10	UP	12
MF447R	2 x 10	DOWN	5
FF810R	3 x 10	DOWN	7
MN104R	3 x 10	DOWN	9
MN107R	3 x 10	DOWN	11
MN110R	3 x 10	DOWN	12



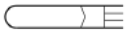
FF806R, MF446R, MN103R, MN106R, MN109R



FF810R, MF447R, MN104R, MN107R, MN110R



2 x 10



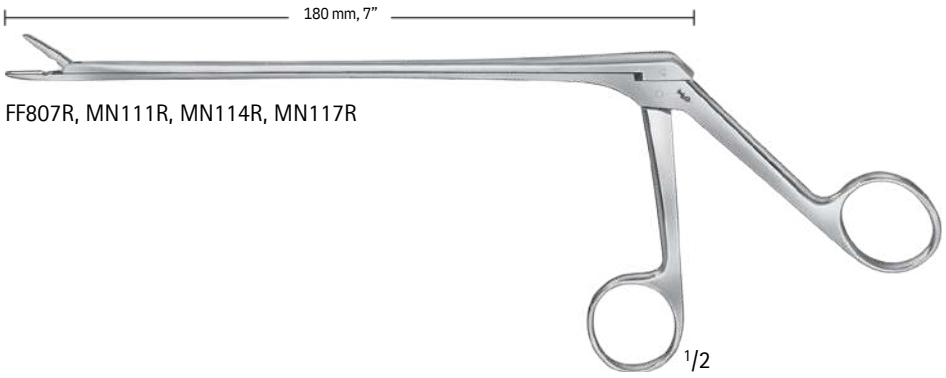
3 x 10

ORTHOPEDICS/SPINE

Rongeurs

SPURLING RONGEUR

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FF807R	4 x 10	STR	7
MN111R	4 x 10	STR	9
MN114R	4 x 10	STR	11
MN117R	4 x 10	STR	12
FF814R	4 x 10	UP	7
MN112R	4 x 10	UP	9
MN115R	4 x 10	UP	11
MN118R	4 x 10	UP	12
FF811R	4 x 10	DOWN	7
MN113R	4 x 10	DOWN	9
MN116R	4 x 10	DOWN	11
MN119R	4 x 10	DOWN	12



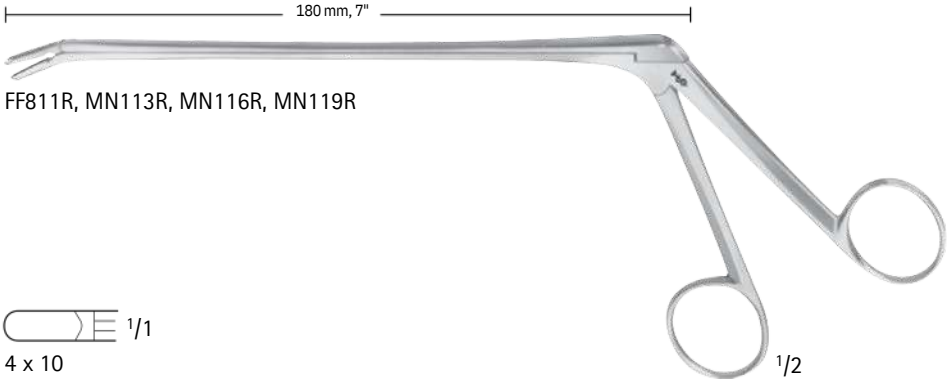
FF807R, MN111R, MN114R, MN117R

1/2



FF814R, MN112R, MN115R, MN118R

1/2



FF811R, MN113R, MN116R, MN119R

1/1

4 x 10

1/2

ORTHOPEDICS/SPINE

Rongeurs

IVD RONGEUR

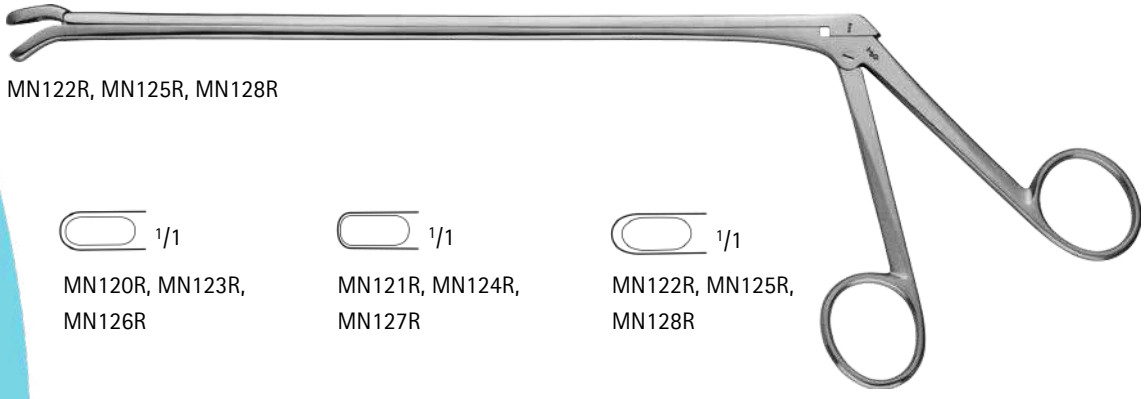
Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MN120R	5 x 10	STR	9
MN123R	5 x 10	STR	11
MN126R	5 x 10	STR	12
MN121R	5 x 10	UP	9
MN124R	5 x 10	UP	11
MN127R	5 x 10	UP	12
MN122R	5 x 10	DOWN	9
MN125R	5 x 10	DOWN	11
MN128R	5 x 10	DOWN	12



MN120R, MN123R, MN126R



MN121R, MN124R, MN127R



MN122R, MN125R, MN128R

1/1

MN120R, MN123R, MN126R

1/1

MN121R, MN124R, MN127R

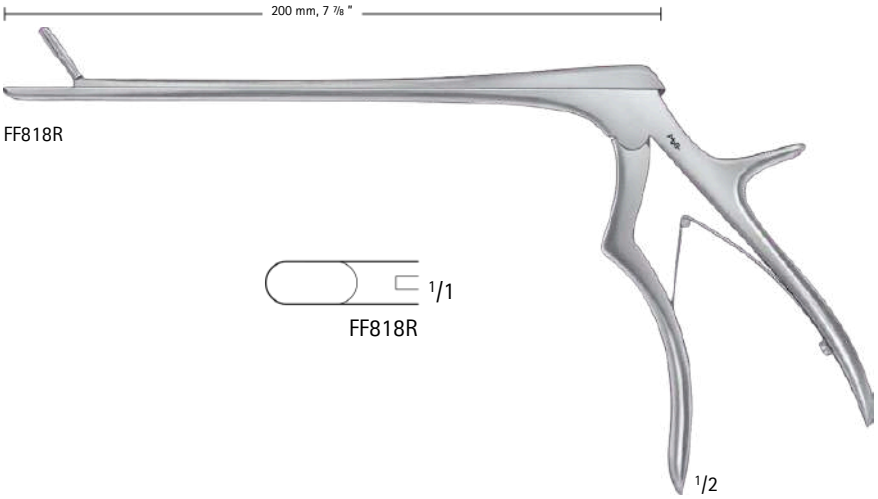
1/1

MN122R, MN125R, MN128R

ORTHOPEDICS/SPINE

Rongeurs

WAGNER RONGEUR



Catalog Number	Jaw Size (mm)	Working Length (in.)
FF818R	5.5	7 7/8

CASPAR RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FF832R	2.0	STR	6 1/8
FF833R	3.0	STR	6 1/8
FF834R	4.0	STR	6 1/8
FF835R	5.0	STR	6 1/8
FF842R	2.0	UP	6 1/8
FF843R	3.0	UP	6 1/8
FF844R	4.0	UP	6 1/8
FF852R	2.0	DOWN	6 1/8
FF853R	3.0	DOWN	6 1/8
FF854R	4.0	DOWN	6 1/8



FF832R, FF842R, FF852R



FF833R, FF843R, FF853R



FF834R, FF844R, FF854R



FF835R

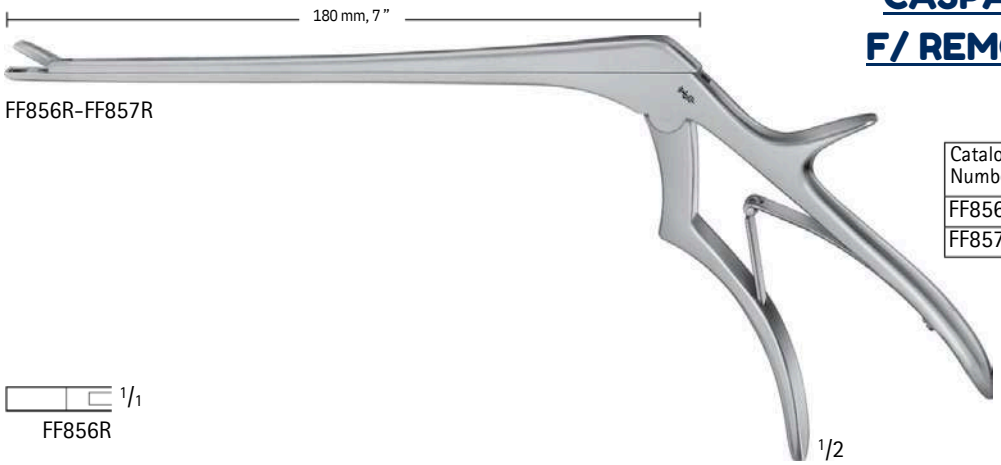




ORTHOPEDICS/SPINE

Rongeurs

CASPAR HEAVY RONGEUR, F/ REMOVAL OF HARD DISC PATHOLOGY

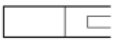


FF856R-FF857R

1/2

1/1

FF856R

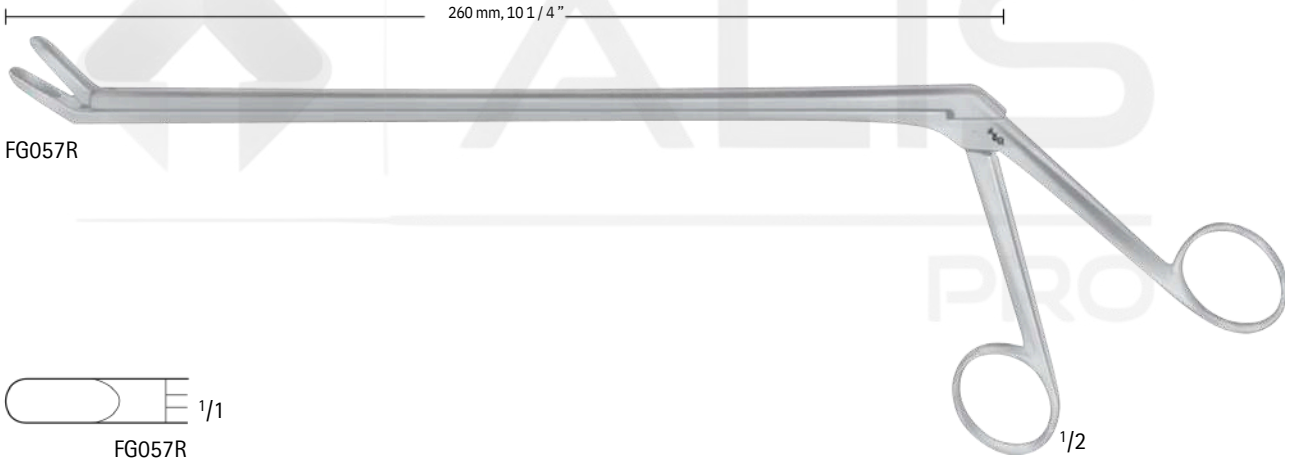


1/1

FF857R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FF856R	3.0	STR	7
FF857R	4.0	STR	7

SYPERT RONGEUR



FG057R

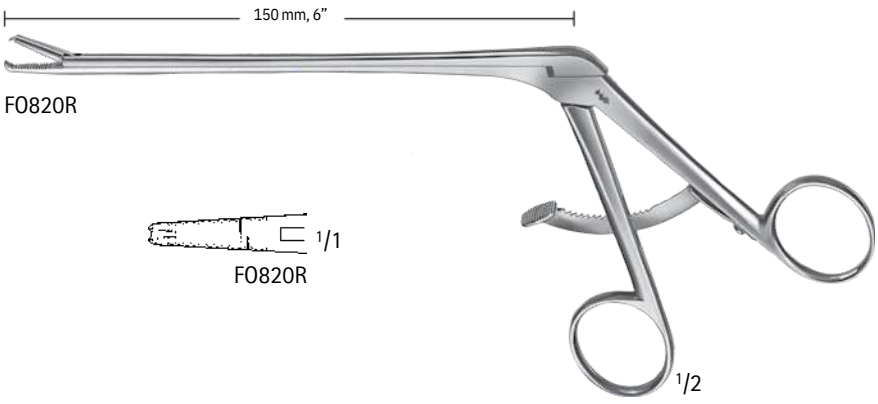
1/2

1/1

FG057R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
FG057R	5 x 20	UP	10 1/4

KRAEMER GRASPING FORCEPS, W/ CATCH



FO820R

1/2

1/1

FO820R

Catalog Number	Working Length (in.)
FO820R	6

ORTHOPEDICS/SPINE

Rongeurs

PEAPOD DISC RONGEUR

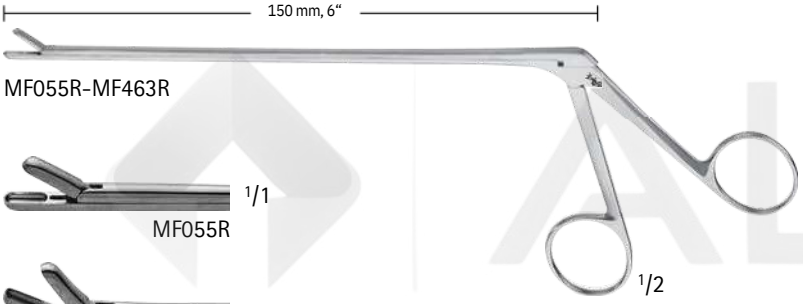




MF054R-MF457R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF054R	2 x 6	UP	5 1/2
MF456R	3 x 6	UP	5 1/4
MF457R	4 x 6	UP	5 1/4

DECKER RONGEUR



MF055R

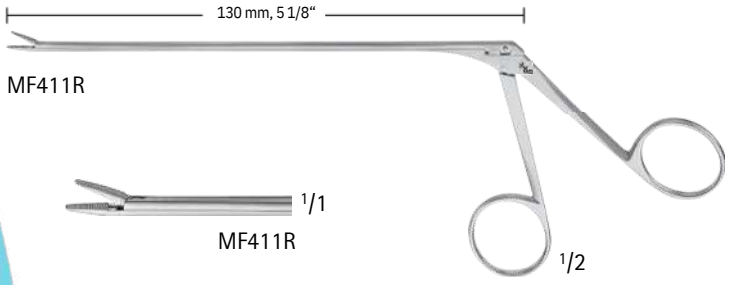
MF462R



MF463R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF055R	2 x 6	STR	6
MF462R	2 x 6	UP	6
MF463R	2 x 6	DOWN	6

STEVENSON GRASPING FORCEPS



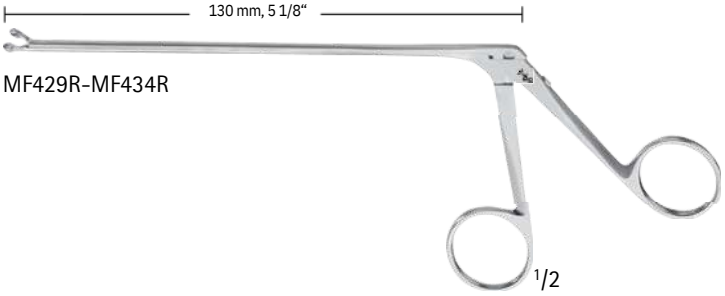
MF411R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF411R	6.0	STR	5 1/8

ORTHOPEDICS/SPINE

Rongeurs

RHOTON STYLE CUP FORCEPS



MF429R-MF434R



MF429R-MF434R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF429R	0.5	STR	5 1/8
MF432R	1.0	STR	5 1/8
MF435R	2.0	STR	5 1/8
MF436R	3.0	STR	5 1/8
MF437R	4.0	STR	5 1/8
MF438R	5.0	STR	5 1/8
MF430R	0.5	RIGHT	5 1/8
MF433R	1.0	RIGHT	5 1/8
MF431R	0.5	LEFT	5 1/8
MF434R	1.0	LEFT	5 1/8

SELVERSTONE RONGEUR



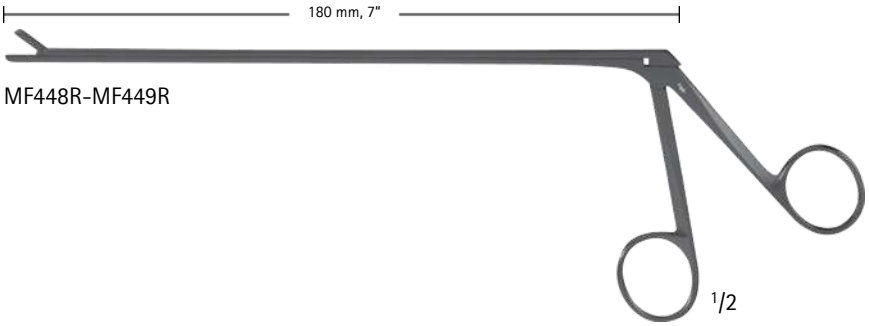
MF444R-MF445R



MF444R-MF445R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF444R	2 x 3	STR	6
MF445R	2 x 5	STR	6

BLACK COATED MICRO PITUITARY RONGEUR



MF448R-MF449R

Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF448R	2 x 6	STR	7
MF449R	2 x 6	UP	7

ORTHOPEDICS/SPINE

Rongeurs

WILLIAMS DISCECTOMY FORCEPS



Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF464R	2 x 6	STR	5 1/4

CLOWARD STYLE RONGEUR



Catalog Number	Jaw Size (mm)	Jaw	Working Length (in.)
MF450R	6 x 10	STR	5 1/4
MF600R	6 x 10	STR	6
MF451R	6 x 10	UP	5 1/4
MF601R	6 x 10	UP	6
MF452R	6 x 10	DOWN	5 1/4
MF602R	6 x 10	DOWN	6

ORTHOPEDICS/SPINE

Kerrison Bone Punches

SYPERT KERRISON BONE PUNCH



Catalog Number	Jaw Size (mm)	Tip	Working Length (in.)
FG055R	5.5	40° UP	9 3/4

ORTHOPEDICS/SPINE

Kerrison Bone Punches

Three Primary Styles ▮ Non Detachable, silver ▮ Detachable, silver ▮ Detachable, ceramic Alis Pro coating For more information see our brochuere DOC400.

Complete Size and Footplate Range
- ▮ Regular and thin footplates
- ▮ 7", 8", 9", 11" lengths
- ▮ 1-6 mm bite sizes
- ▮ 15 mm Laminectomy jaw length
- ▮ 40° and 90° up and down jaw positions





40° UP



40° UP



40° UP

STANDARD

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector	Detachable, Alis Pro Coating	Ejector
7	1.0	STANDARD	FF715R	-	FK900R	-	FK900B	-
7	1.5	STANDARD	FF638R	-	FK911R	-	FK911B	-
7	2.0	STANDARD	FF717R	-	FK901R		FK901B	
7	2.5	STANDARD	FF639R	-	FK912R		FK912B	
7	3.0	STANDARD	FF720R	-	FK902R		FK902B	
7	4.0	STANDARD	FF724R	-	FK903R		FK903B	
7	5.0	STANDARD	FF722R	-	FK904R		FK904B	
7	6.0	STANDARD	FF726R	-	FK905R		FK905B	
7 7/8	1.0	STANDARD	FF691R	-	FK960R	-	FK960B	-
7 7/8	1.5	STANDARD	FF649R	-	FK966R	-	FK966B	-
7 7/8	2.0	STANDARD	FF737R	-	FK913R		FK913B	
7 7/8	2.5	STANDARD	FF657R	-	FK967R		FK967B	
7 7/8	3.0	STANDARD	FF738R	-	FK914R		FK914B	
7 7/8	4.0	STANDARD	FF727R	-	FK915R		FK915B	
7 7/8	5.0	STANDARD	FF728R	-	FK916R		FK916B	
7 7/8	6.0	STANDARD	FF729R	-	FK917R		FK917B	
9	1.0	STANDARD	FF674R	-	FK918R	-	FK918B	-
9	2.0	STANDARD	FF682R	-	FK919R		FK919B	
9	3.0	STANDARD	FF683R	-	FK920R		FK920B	
9	4.0	STANDARD	FF684R	-	FK921R		FK921B	
9	5.0	STANDARD	FF685R	-	FK922R		FK922B	
11	1.0	STANDARD	FF696R	-	FK981R	-	FK981B	-
11	2.0	STANDARD	FF686R	-	FK986R		FK986B	
11	3.0	STANDARD	FF687R	-	FK987R		FK987B	
11	4.0	STANDARD	FF688R	-	FK988R		FK988B	
11	5.0	STANDARD	FF689R	-	FK989R		FK989B	
11	6.0	STANDARD	FF690R	-	-	-	-	-

ORTHOPEDICS/SPINE

Kerrison Bone Punches





40° UP



40° UP



THIN

40° UP

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector	Detachable, Alis Pro Coating	Ejector
7	1.0	THIN	FF771R	-	FK906R	-	FK906B	-
7	1.5	THIN	FF645R	-	FK923R	-	FK923B	-
7	2.0	THIN	FF772R	-	FK907R		FK907B	
7	2.5	THIN	FF646R	-	FK924R		FK924B	
7	3.0	THIN	FF773R	-	FK908R		FK908B	
7	4.0	THIN	FF769R	-	FK909R		FK909B	
7	5.0	THIN	FF770R	-	FK910R		FK910B	
7 7/8	1.0	THIN	FF661R	-	FK961R	-	FK961B	-
7 7/8	1.5	THIN	FF658R	-	FK968R	-	FK968B	-
7 7/8	2.0	THIN	FF662R	-	FK962R		FK962B	
7 7/8	2.5	THIN	FF659R	-	FK969R		FK969B	
7 7/8	3.0	THIN	FF663R	-	FK963R		FK963B	
7 7/8	4.0	THIN	FF664R	-	FK964R		FK964B	
7 7/8	5.0	THIN	FF665R	-	FK965R		FK965B	
9	1.0	THIN	FF734R	-	FK929R	-	FK929B	-
9	2.0	THIN	FF746R	-	FK925R		FK925B	
9	3.0	THIN	FF747R	-	FK926R		FK926B	
9	4.0	THIN	FF748R	-	FK927R		FK927B	
9	5.0	THIN	FF749R	-	FK928R		FK928B	
11	1.0	THIN	FF673R	-	FK980R	-	FK980B	-
11	2.0	THIN	FF666R	-	FK976R		FK976B	
11	3.0	THIN	FF667R	-	FK977R		FK977B	
11	4.0	THIN	FF668R	-	FK978R		FK978B	
11	5.0	THIN	FF669R	-	FK979R		FK979B	

ORTHOPEDICS/SPINE

Kerrison Bone Punches, Laminectomy





40° UP



40° UP



STANDARD

40° UP

Working Length (in.)	Jaw Size (mm)	Jaw Opening (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector	Detachable, Alis Pro Coating	Ejector
7	2.0	15	STANDARD	FF677R	-	FK971R		FK971B	
7	3.0	15	STANDARD	FF678R	-	FK972R		FK972B	
7	4.0	15	STANDARD	FF679R	-	FK973R		FK973B	
7	5.0	15	STANDARD	FF680R	-	FK974R		FK974B	
7	6.0	15	STANDARD	-	-	FK975R		FK975B	

7 7/8	2.0	15	STANDARD	FF660R	-	FK970R		FK970B	
7 7/8	3.0	15	STANDARD	FF739R	-	FK982R		FK982B	
7 7/8	4.0	15	STANDARD	FF745R	-	FK983R		FK983B	
7 7/8	5.0	15	STANDARD	FF751R	-	FK984R		FK984B	
7 7/8	6.0	15	STANDARD	FF753R	-	FK985R		FK985B	



STANDARD

90° UP

Working Length (in.)	Jaw Size (mm)	Jaw Opening (mm)	Non Detachable, Silver	Ejector
7	3	15	FF136R	-
7	4	15	FF137R	-
7	5	15	FF138R	-

8	3	15	FF086R	-
8	4	15	FF087R	-
8	5	15	FF088R	-

ORTHOPEDICS/SPINE

Kerrison Bone Punches





40° DOWN



STANDARD

40° DOWN

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector
7	1.0	STANDARD	FF711R	-	FK930R	-
7	2.0	STANDARD	FF712R	-	FK931R	
7	3.0	STANDARD	FF713R	-	FK932R	
7	4.0	STANDARD	FF714R	-	FK933R	
7	5.0	STANDARD	FF725R	-	FK934R	
9	2.0	STANDARD	FF692R	-	FK943R	
9	3.0	STANDARD	FF693R	-	FK944R	
9	4.0	STANDARD	FF694R	-	FK945R	
9	5.0	STANDARD	FF695R	-	FK946R	



40° DOWN



STANDARD

40° DOWN

Working Length (in.)	jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector
7	1.0	THIN	FF781R	-	FK936R	-
7	2.0	THIN	FF782R	-	FK937R	
7	3.0	THIN	FF783R	-	FK938R	
7	4.0	THIN	FF784R	-	FK939R	
7	5.0	THIN	FF785R	-	FK940R	

ORTHOPEDICS/SPINE

Kerrison Bone Punches



90° UP



90° UP



REGULAR

90° UP

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector	Detachable Alis Pro Coating	Ejector
7	1.0	STANDARD	FF716R	-	FK948R	-	FK948B	-
7	2.0	STANDARD	FF718R	-	FK949R	-	FK949B	
7	3.0	STANDARD	FF750R	-	FK950R		FK950B	
7	4.0	STANDARD	FF752R	-	FK951R		FK951B	
7	5.0	STANDARD	FF754R	-	FK952R		FK952B	
7	6.0	STANDARD	FF755R	-	FK953R		FK953B	

8	1.0	STANDARD	FF025R	-
8	2.0	STANDARD	FF026R	-
8	3.0	STANDARD	FF027R	-
8	4.0	STANDARD	FF028R	-
8	5.0	STANDARD	FF029R	-



THIN

90° UP

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector
7	1	THIN	FF115R	-
7	2	THIN	FF116R	-
7	3	THIN	FF117R	-
7	4	THIN	FF118R	-
7	5	THIN	FF119R	-

8	2	THIN	FF077R	-
8	3	THIN	FF078R	-
8	4	THIN	FF079R	-
8	5	THIN	FF080R	-

ORTHOPEDICS/SPINE

Kerrison Bone Punches





90° DOWN



90° DOWN

STANDARD

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector	Detachable, Silver	Ejector
7	1.0	STANDARD	FF741R	-	FK954R	-
7	2.0	STANDARD	FF719R	-	FK955R	-
7	3.0	STANDARD	FF721R	-	FK956R	
7	4.0	STANDARD	FF742R	-	FK957R	
7	5.0	STANDARD	FF723R	-	FK958R	
7	6.0	STANDARD	FF743R	-		

8	2	STANDARD	FF828R	-
8	3	STANDARD	FF829R	-
8	4	STANDARD	FF830R	-
8	5	STANDARD	FF831R	-
8	6	STANDARD	FF841R	-



THIN

90° DOWN

Working Length (in.)	Jaw Size (mm)	Footplate	Non Detachable, Silver	Ejector
7	1.0	THIN	MF136R	-
7	2.0	THIN	FF816R	-
7	3.0	THIN	FF817R	-
7	4.0	THIN	FF819R	-
7	5.0	THIN	FF821R	-

8	1.0	THIN	FF809R	-
8	2.0	THIN	FF812R	-
8	3.0	THIN	FF813R	-
8	5.0	THIN	FF815R	-

ORTHOPEDICS/SPINE

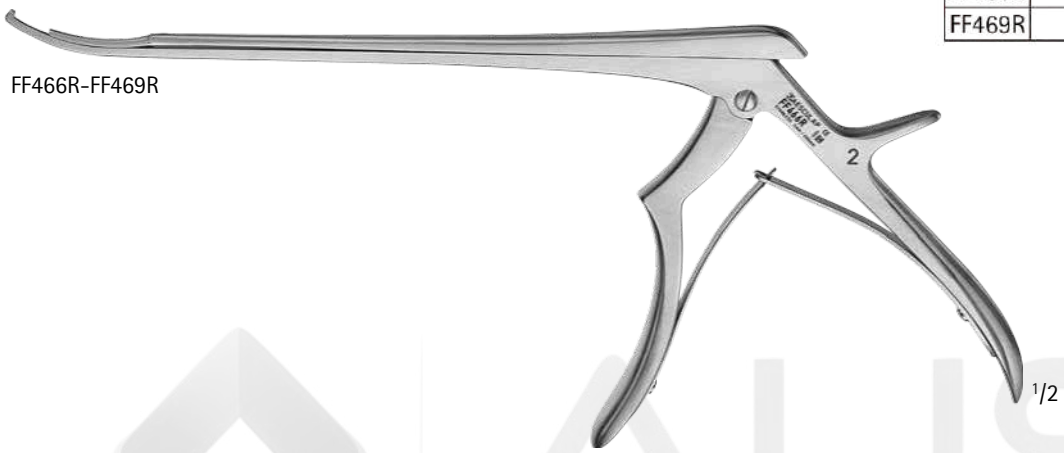
Speciality Kerrison Bone Punches

Foraminotomy Kerrison
- Non Detachable design
- Upward curve allows for easier bone removal, providing improved access to the underside of the foramen

KERRISON FORAMINOTOMY BONE PUNCH

Catalog Number	Jaw Size (mm)	Jaw Opening (mm)	Working Length (in.)
FF466R	2.0	10	7 7/8
FF467R	3.0	10	7 7/8
FF468R	4.0	10	7 7/8
FF469R	5.0	10	7 7/8

FF466R-FF469R



Bayonet-Shaped Kerrison bone punch
- Non Detachable design
- Bayonet shape allows better view over the KERRISON and increased visibility of surgical site
- Easily used through a retractor tube for MIS procedures

KERRISON BAYONET-SHAPED BONE PUNCH, 40° UPBITING

Catalog Number	Jaw Size (mm)	Jaw Opening (mm)	Working Length (in.)
FF496R	2.0	10	9 1/2
FF497R	3.0	10	9 1/2
FF498R	4.0	10	9 1/2
FF499R	5.0	10	9 1/2

FF496R-FF499R



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ORTHOPEDICS/SPINE

KAIRison® Pneumatic Bone Punch

KAIRison Pneumatic Bone Punch

- Easy handling
- Reduces physical e ort required
- Relieves strain on hands and joints
- Less risk of reduced motor skills through fatigue
- Innovative safety mechanism
- Short learning curve
- Excellent balance
- Suitable for right- or left-handed use
- Reliable; does not jam
- Ergonomic design

For more information see our brochure DOC763.

KAIRISON PNEUMATIC BONE PUNCH

Catalog Number	Jaw Size (mm)	Jaw Opening (mm)	Footplate	Ejector	Total Length (in.)
FK882R	2.0	12	STANDARD	✔	9 1/4
FK883R	3.0	12	STANDARD	✔	9 1/4
FK884R	4.0	12	STANDARD	✔	9 1/4
FK885R	5.0	12	STANDARD	✔	9 1/4
FK886R	6.0	12	STANDARD	✔	9 1/4
FK892R	2.0	12	STANDARD	✔	11 1/4
FK893R	3.0	12	STANDARD	✔	11 1/4
FK894R	4.0	12	STANDARD	✔	11 1/4
FK895R	5.0	12	STANDARD	✔	11 1/4
FK896R	6.0	12	STANDARD	✔	11 1/4



FK882R-FK896R

Width (mm) 2.0 3.0 4.0 5.0 6.0

KAIRISON PNEUMATIC PUNCH HANDLE



FK899R

Catalog Number
FK899R

KAIRISON PRESSURE REDUCER



FK898R-FK898214

Catalog Number	Description
FK898R	PRESSURE REDUCER
FK887R	BRACKET FOR PRESSURE REDUCER
FK898215	RUBBER CAP, SMALL
FK898214	RUBBER CAP, LARGE

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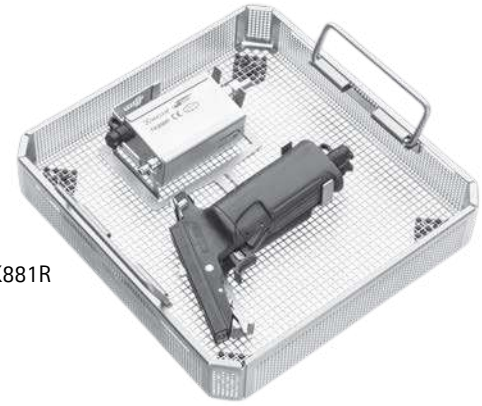
KAIRison® Pneumatic Bone Punch



FK888SU

DISPOSABLE TUBES FOR KAIRISON PNEUMATIC PUNCH

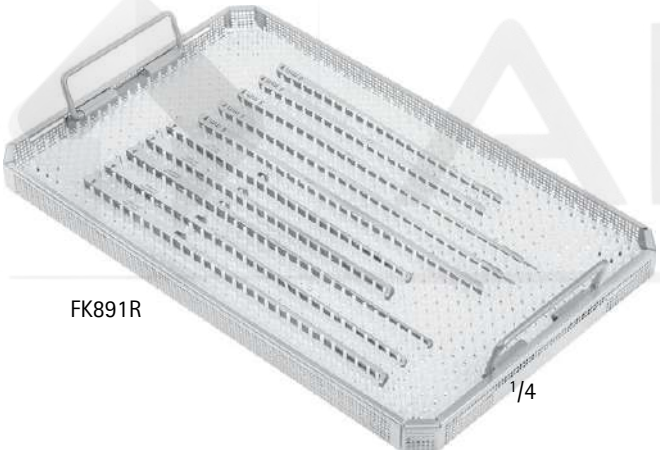
Catalog Number	Packaging
FK888SU	PAK = Package of 10



FK881R

STORAGE RACK FOR KAIRISON HANDLE AND PRESSURE REDUCER

Catalog Number
FK881R



FK891R

STORAGE RACK FOR KAIRISON SHAFTS

Catalog Number
FK891R



GA468R

PNEUMATIC HOSE WITH AESCULAP- SCHRADER CONNECTION

Catalog Number	Length (m)
GA468R	5

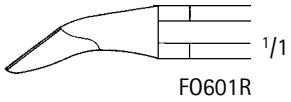
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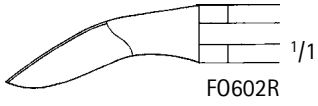
ORTHOPEDICS/SPINE

Bone Cutters

BONE CUTTING FORCEPS



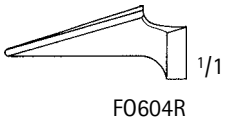




Catalog Number	Jaw	Length (in.)
FO601R	UP	5 1/8
FO602R	UP	6 3/4

STAMM BONE CUTTING FORCEPS





Catalog Number	Length (in.)
FO604R	6

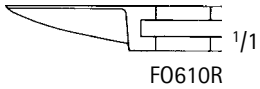
BONE CUTTING FORCEPS, DOUBLE ACTION

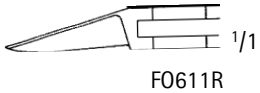


Catalog Number	Jaw	Length (in.)
FO612R	STR	6 3/4

BOEHLER BONE CUTTING FORCEPS, DOUBLE ACTION



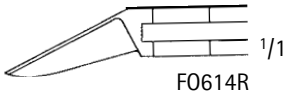




Catalog Number	Jaw	Length (in.)
FO610R	STR	5 3/4
FO611R	ANG	5 3/4

MCINDOE BONE CUTTING FORCEPS, DOUBLE ACTION





Catalog Number	Jaw	Length (in.)
FO614R	ANG	6 7/8

ORTHOPEDICS/SPINE

Bone Cutters

LISTON BONE CUTTING FORCEPS

Catalog Number	Jaw	Length (in.)
FO620R	STR, Single Action	5 1/2
FO622R	STR, Single Action	6 3/4
FO624R	STR, Single Action	7 7/8
FO626R	STR, Single Action	8 3/4
FO632R	ANG, Single Action	6 3/4
FO634R	ANG, Single Action	7 7/8
FO636R	ANG, Single Action	8 3/4
FO645R	CVD, Double Action	9 1/2
FO646R	STR, Double Action	11
FO647R	CVD, Double Action	11



FO620R-FO636R 1/2



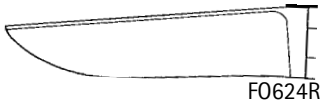
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FO620R



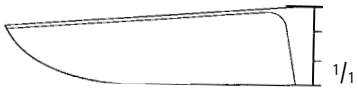
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FO622R



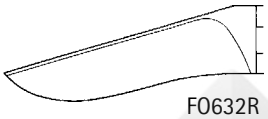
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FO624R



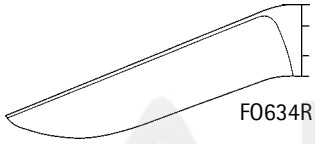
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FO626R



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FO632R



1/1

FO634R

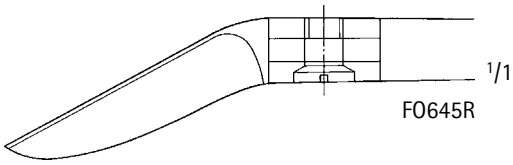


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FO636R

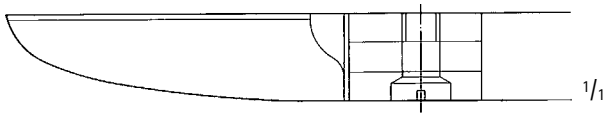


FO645R-FO647R 1/2



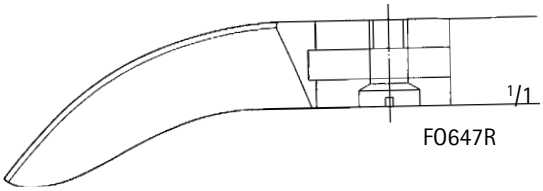
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FO645R



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FO646R



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FO647R

ORTHOPEDICS/SPINE

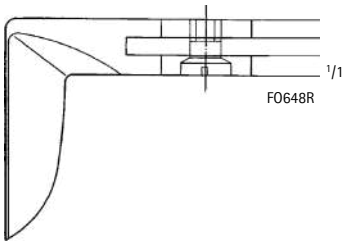
Bone Cutters

LISTON-STILLE BONE CUTTING FORCEPS, 90° ANGLE



FO648R 1/3

Catalog Number	Length (in.)
FO648R	10 1/2



1/1

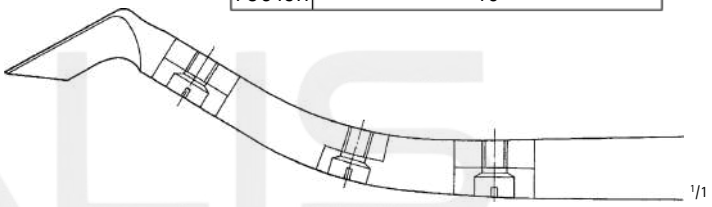
FO648R

LISTON-KEY-HORSLEY BONE CUTTING FORCEPS, ANGLED



FO649R 1/3

Catalog Number	Length (in.)
FO649R	10



1/1

FO649R

KAZANJIAN BONE CUTTING FORCEPS, STRAIGHT



OK378R 1/2

Catalog Number	Length (in.)
OK378R	7 1/4



1/1

OK378R

RUSKIN-LISTON BONE CUTTING FORCEPS, DOUBLE ACTION



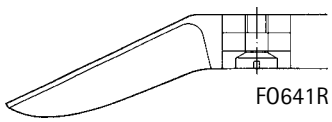
FO640R-FO641R 1/2

Catalog Number	Jaw	Length (in.)
FO640R	STR	7 1/2
FO641R	ANG	7 1/2



1/1

FO640R



1/1

FO641R

ORTHOPEDICS/SPINE

Rulers, Calipers and Gauges

CALIPER FOR INNER DIAMETER AND OUTER DIAMETER



1/2

AA847R

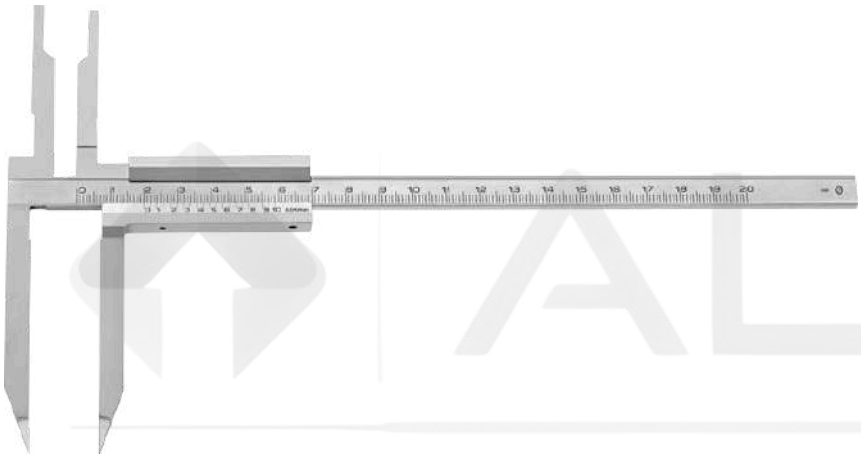
Catalog Number	Measuring Range	Length (in.)
AA847R	UP TO 100MM	5 1/8
AA846R	UP TO 150MM	9



1/3

AA846R

TESSIER TYPE CALIPER

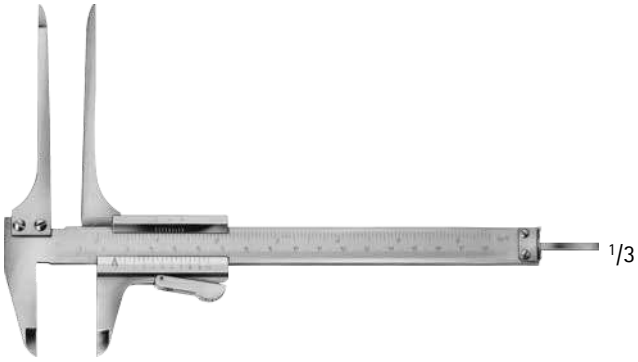


1/2

MA004R

Catalog Number	Length (in.)
MA004R	10 1/4

CASPAR NEURO CALIPER F/ BONE GRAFT



1/3

AA845R

Catalog Number	Length (in.)
AA845R	8 7/8

ORTHOPEDICS/SPINE

Rulers, Calipers and Gauges

TOWNLEY FEMUR CALIPER



1/2

MB983R

Catalog Number	Length (in.)
MB983R	4

STEEL RULER, GRADUATED IN MILLIMETERS AND INCHES



AA804R-AA806R

Catalog Number	Length (in.)
AA804R	6
AA805R	11 3/4
AA806R	19 3/4

CLOWARD STYLE DEPTH GAUGES

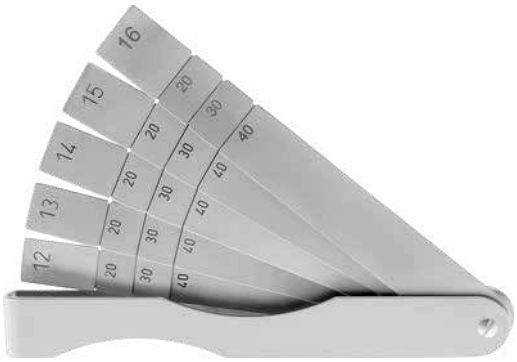


1/2

MD531R

Catalog Number	Size	Length (in.)
MD531R	LARGE	8

CLOWARD SPANNER GAUGES



1/2

MD534R

Catalog Number	Length (in.)
MD534R	5