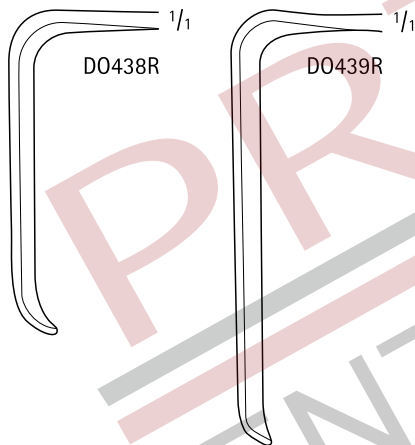




DOCKHORN Cheek Retractor

Catalog Number	Blade Size (mm)	Length (in.)
DO438R	40 x 12	8 1/4
DO439R	55 x 14	8 1/4

DO438R-DO439R



VOLKMANN Retractor, US Version

Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
MG260R	SHARP	2 PRONGS	20 x 11	8 3/4
MG261R	SHARP	3 PRONGS	20 x 18	8 3/4
MG262R	SHARP	4 PRONGS	20 x 26	8 3/4
MG264R	SHARP	6 PRONGS	20 x 40	8 3/4
MG265R	BLUNT	2 PRONGS	20 x 11	8 3/4
MG266R	BLUNT	3 PRONGS	20 x 18	8 3/4
MG267R	BLUNT	4 PRONGS	20 x 26	8 3/4
MG269R	BLUNT	6 PRONGS	20 x 40	8 3/4



MG260R-MG264R



MG265R-MG269R



MG260R



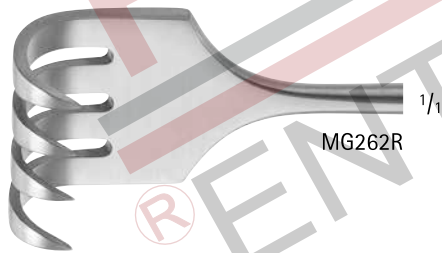
MG265R



MG261R



MG266R



MG262R



MG267R



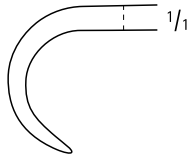
MG264R



MG269R



BT262R-BT276R



BT262R



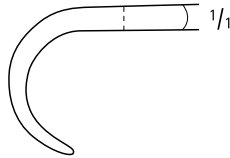
BT263R



BT264R



BT266R



BT272R



BT273R



BT274R



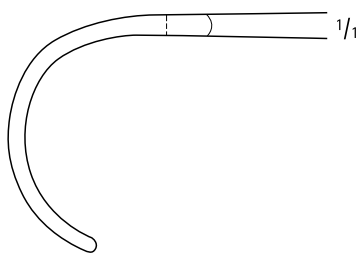
BT276R

KOCHER Retractor, Large

Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
BT262R	SEMI-S	2 PRONGS	16 x 9	8 3/4
BT263R	SEMI-S	3 PRONGS	16 x 14	8 3/4
BT264R	SEMI-S	4 PRONGS	16 x 20	8 3/4
BT266R	SEMI-S	6 PRONGS	16 x 30	8 3/4
BT272R	BLUNT	2 PRONGS	15.5 x 9	8 3/4
BT273R	BLUNT	3 PRONGS	15.5 x 14	8 3/4
BT274R	BLUNT	4 PRONGS	15.5 x 20	8 3/4
BT276R	BLUNT	6 PRONGS	15.5 x 30	8 3/4



BT278R-BT279R



BT279R



BT278R

KOERTE Retractor

Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
BT279R	SEMI-S	8 PRONGS	26 x 40	9 1/2
BT278R	BLUNT	8 PRONGS	26 x 40	9 1/2

ISRAEL Retractor, T-Handle

Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
MG284R	BLUNT	4 PRONGS	46 x 40	7 1/2



MG284R



MG284R 1/2

MURPHY Retractor

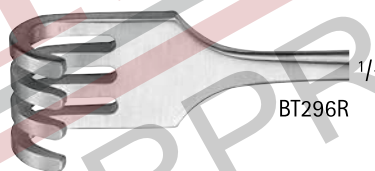
Catalog Number	Tip	Blade End	Length (in.)
BT293R	SHARP	3 PRONGS	7 3/4
BT294R	SHARP	4 PRONGS	7 3/4
BT296R	BLUNT	4 PRONGS	7 3/4



BT293R-BT296R 1/2



BT293R 1/1



BT296R 1/1



BT294R 1/1

KOERTE-WAGNER Retractor

Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
BT290R	SEMI-S	8 PRONGS	28 x 40	11

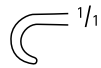
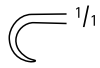


BT290R 1/1

BT290R 1/2



BT111R-BT119R



BT111R



BT116R



BT112R



BT117R



BT113R



BT118R



BT114R



BT119R



BT121R-BT129R



BT121R



BT126R



BT122R



BT127R



BT123R



BT128R



BT124R



BT129R

Hook, Small Curve

Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
BT111R	SHARP	1 PRONG	-	6 1/2
BT112R	SHARP	2 PRONGS	5.0 x 4.2	6 1/2
BT113R	SHARP	3 PRONGS	5.0 x 7.0	6 1/2
BT114R	SHARP	4 PRONGS	5.0 x 9.5	6 1/2
BT116R	BLUNT	1 PRONG	-	6 1/2
BT117R	BLUNT	2 PRONGS	4.5 x 4.2	6 1/2
BT118R	BLUNT	3 PRONGS	4.5 x 7.0	6 1/2
BT119R	BLUNT	4 PRONGS	4.5 x 9.0	6 1/2

Hook, Large Curve

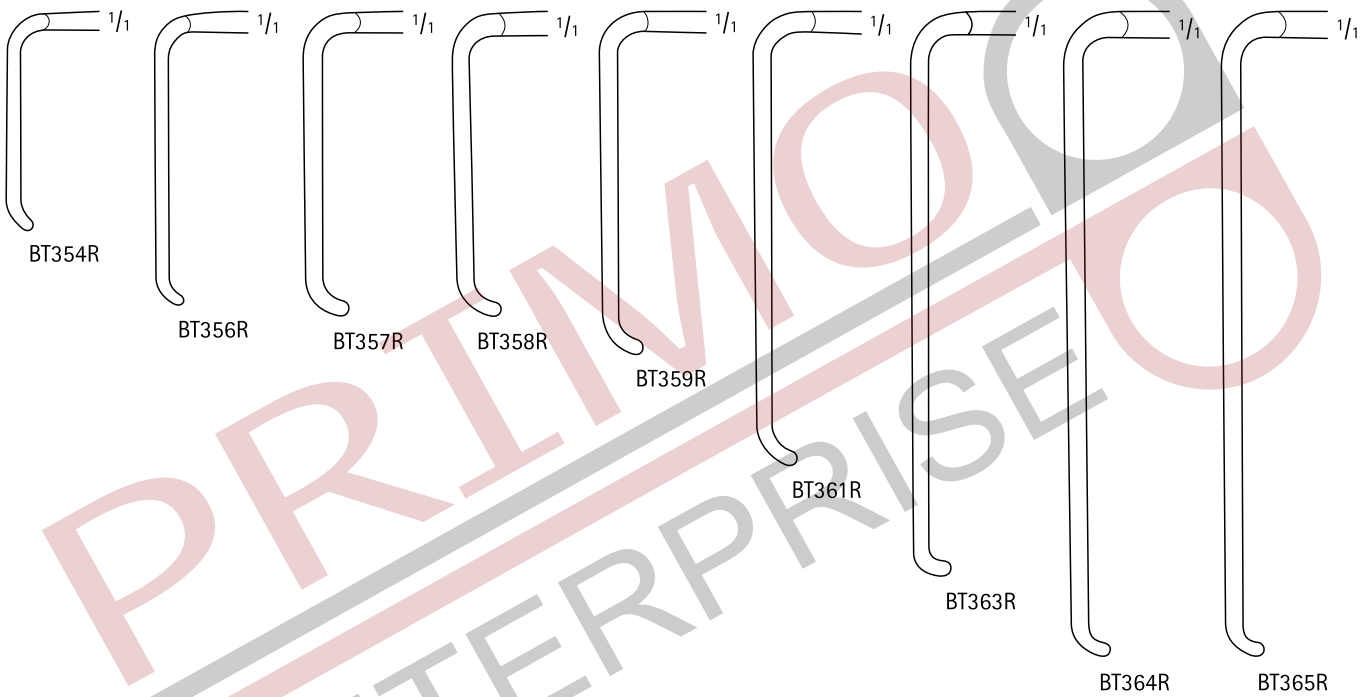
Catalog Number	Tip	Blade End	Blade Size (mm)	Length (in.)
BT121R	SHARP	1 PRONG	-	6 1/2
BT122R	SHARP	2 PRONGS	7.5 x 7.5	6 1/2
BT123R	SHARP	3 PRONGS	7.5 x 10.0	6 1/2
BT124R	SHARP	4 PRONGS	7.5 x 14.0	6 1/2
BT126R	BLUNT	1 PRONG	-	6 1/2
BT127R	BLUNT	2 PRONGS	6.8 x 7.5	6 1/2
BT128R	BLUNT	3 PRONGS	6.8 x 10.0	6 1/2
BT129R	BLUNT	4 PRONGS	6.8 x 14.0	6 1/2



BT354R-BT365R

KOCHER-LANGENBECK Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT354R	25 x 6	8 1/2
BT356R	35 x 8	8 1/2
BT357R	35 x 11	8 1/2
BT358R	35 x 15	8 1/2
BT359R	41 x 11	8 1/2
BT361R	55 x 11	8 1/2
BT363R	70 x 14	8 1/2
BT364R	80 x 12	8 1/2
BT365R	80 x 16	8 1/2



MB785R

LAHEY Goiter Retractor

Catalog Number	Blade Size (mm)	Length (in.)
MB785R	24 x 8	7 7/8



MB785R



MB748R

MCBURNEY Thyroid Retractor

Catalog Number	Blade Size (mm)	Length (in.)
MB748R	20 x 10	7 1/2



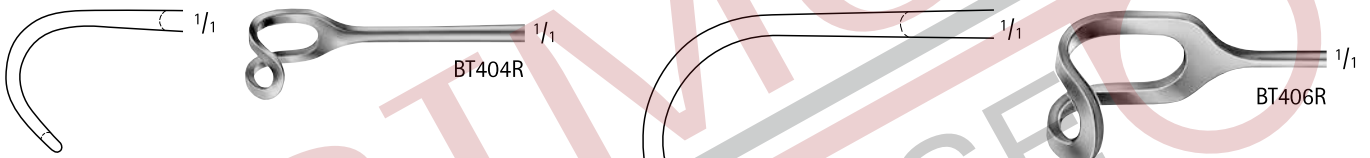
MB748R



BT404R-BT406R

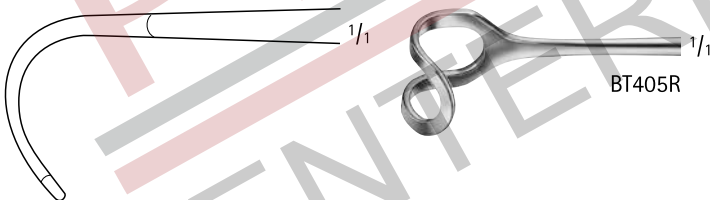
MIDDELDORPF Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT404R	15 x 15	8 3/4
BT405R	20 x 22	8 1/2
BT406R	28 x 28	9 1/4



BT404R

BT406R



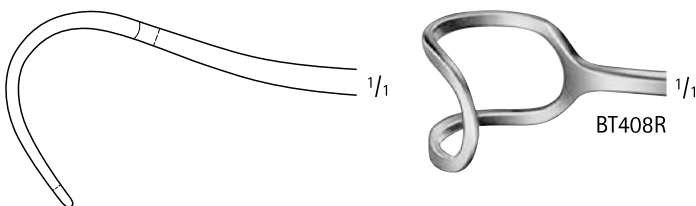
BT405R



BT408R

GREENE Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT408R	28 x 22	8 7/8



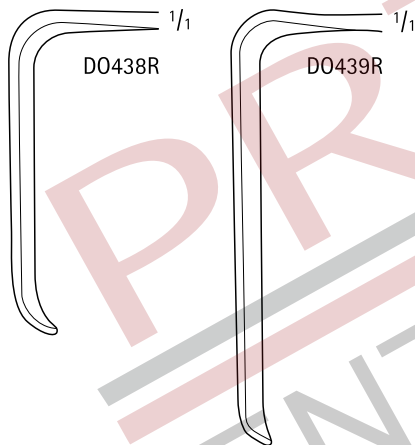
BT408R



DOCKHORN Cheek Retractor

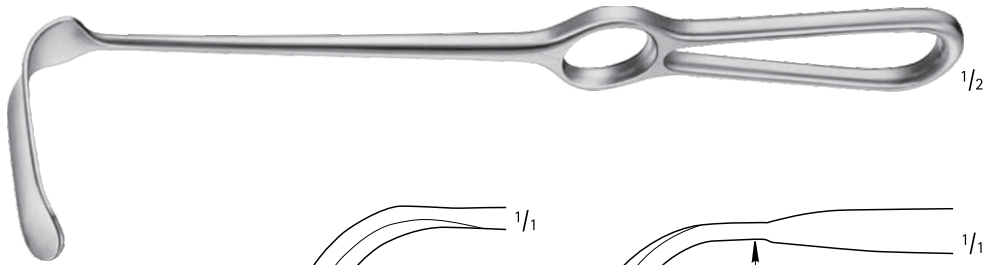
Catalog Number	Blade Size (mm)	Length (in.)
DO438R	40 x 12	8 1/4
DO439R	55 x 14	8 1/4

DO438R-DO439R



HOESEL Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT442R	100 x 30	9 3/4
BT446R	220 x 40	9 3/4



BT442R-BT446R



KOCHER Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT461R	80 x 42	9 3/4
BT462R	80 x 50	9 3/4
BT463R	80 x 60	9 3/4

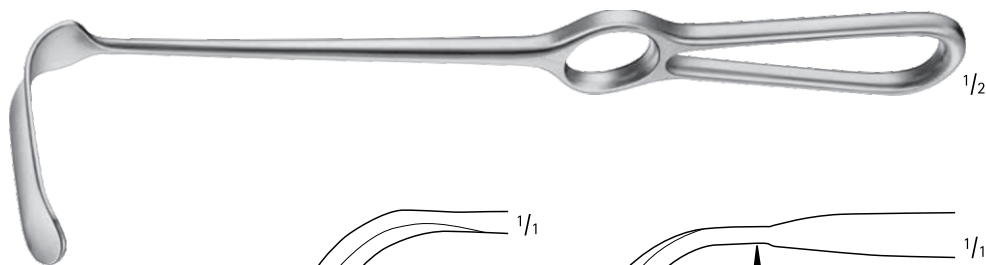


BT461R-BT463R



HOESEL Retractor

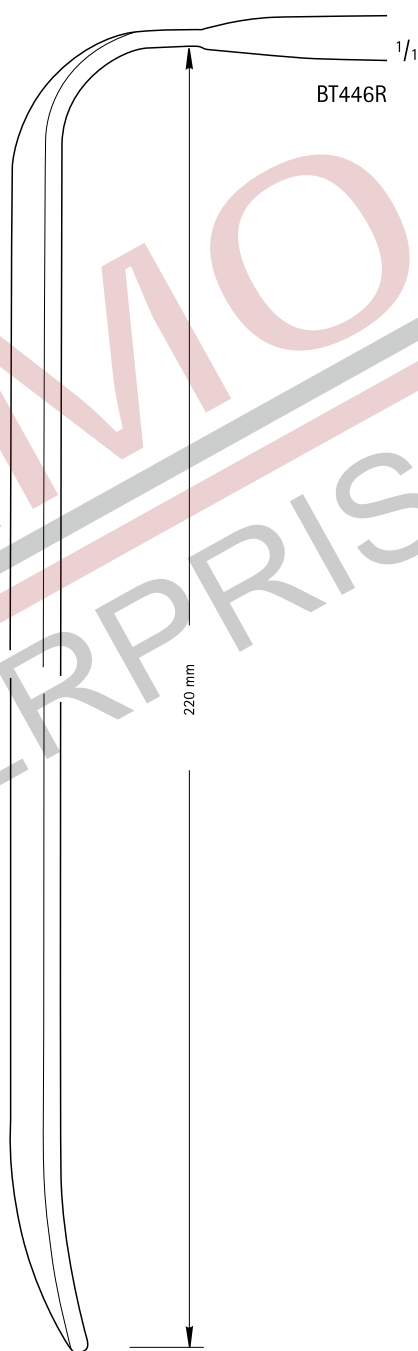
Catalog Number	Blade Size (mm)	Length (in.)
BT442R	100 x 30	9 3/4
BT446R	220 x 40	9 3/4



BT442R-BT446R



BT442R



BT446R

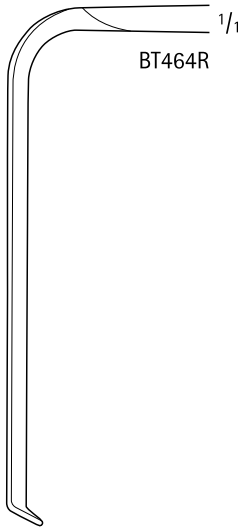
220 mm



KRAEMER Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT464R	66 x 10	8 1/4

BT464R

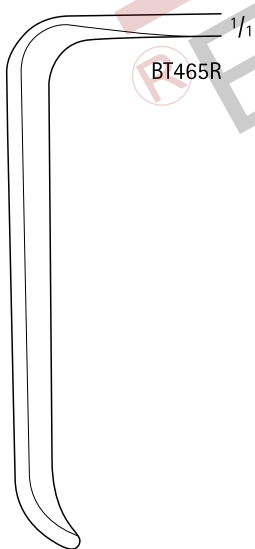


CASPAR Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT465R	67 x 17	8 1/4



BT465R





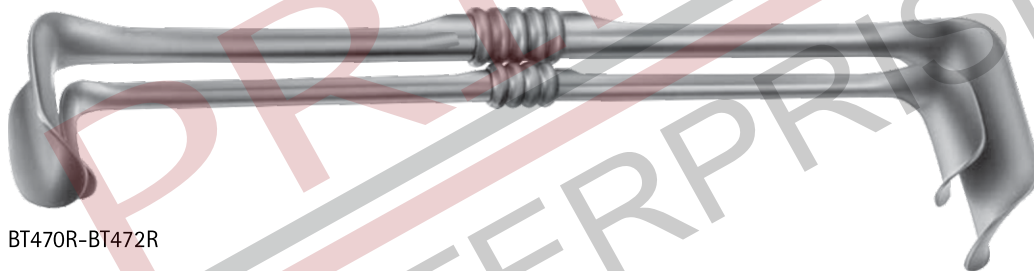
BT450R-BT469R

**MIASPAS® Mini ALIF LANGENBECK
Retractor**

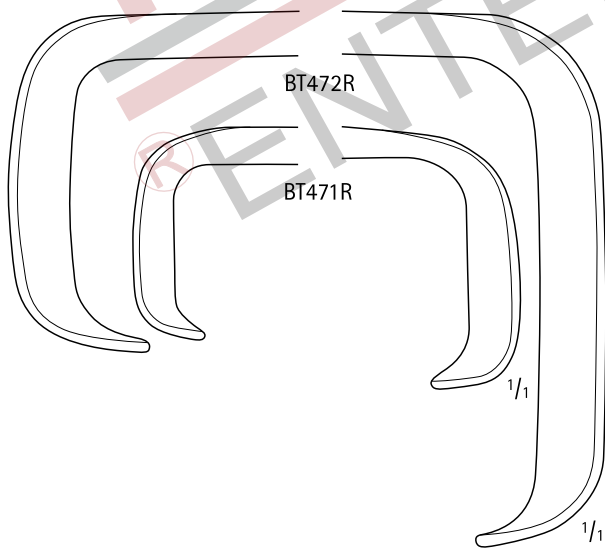
Catalog Number	Blade Size (mm)	Length (in.)
BT450R	125 x 20	8 1/4
BT451R	125 x 35	8 1/4
BT466R	80 x 20	8 1/4
BT467R	110 x 20	8 1/4
BT468R	80 x 35	8 1/4
BT469R	110 x 35	8 1/4

RICHARDSON-EASTMAN Retractor

Catalog Number	Description	Tip	Length (in.)
BT470R	2/SET (BT471R, BT472R)	-	-
BT471R	-	SM	9 3/4
BT472R	-	LRG	10 5/8



BT470R-BT472R

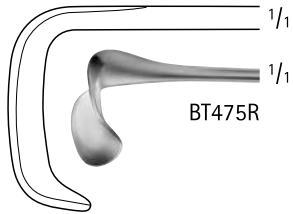




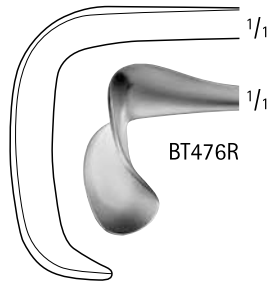
RICHARDSON Retractor

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT475R	23 x 20	1 x 3/4	9 1/2
BT476R	30 x 29	1 1/4 x 1 1/8	9 1/2
BT477R	37 x 37	1 1/2 x 1 1/2	9 1/2
BT478R	47 x 21	2 x 3/4	9 1/2

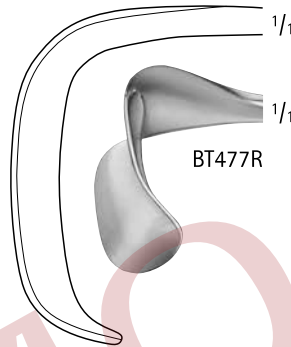
BT475R-BT477R



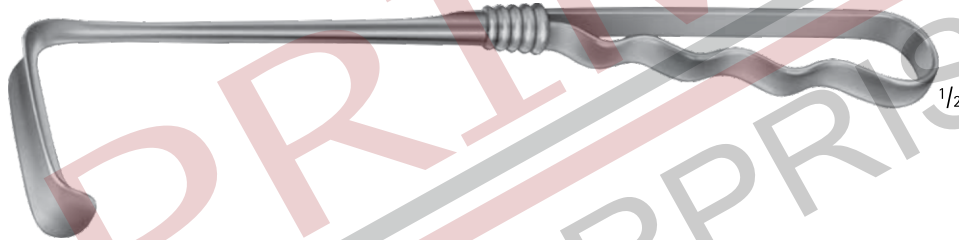
BT475R



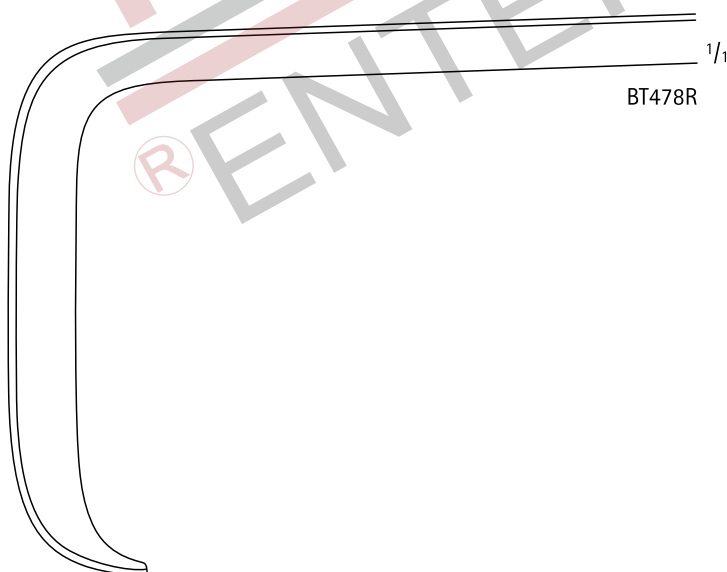
BT476R



BT477R



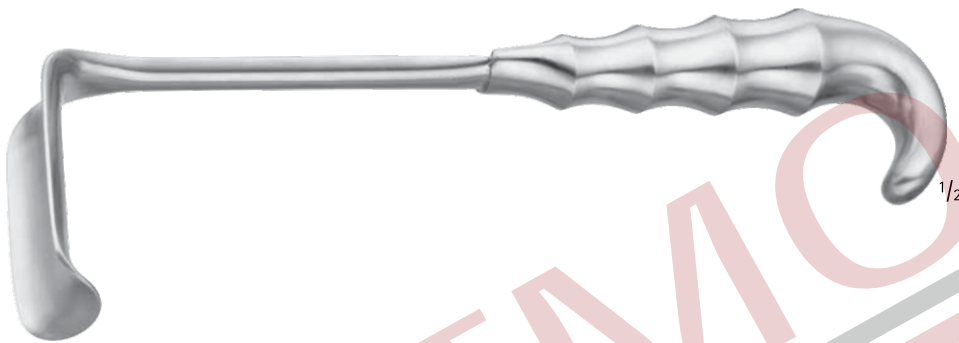
BT478R



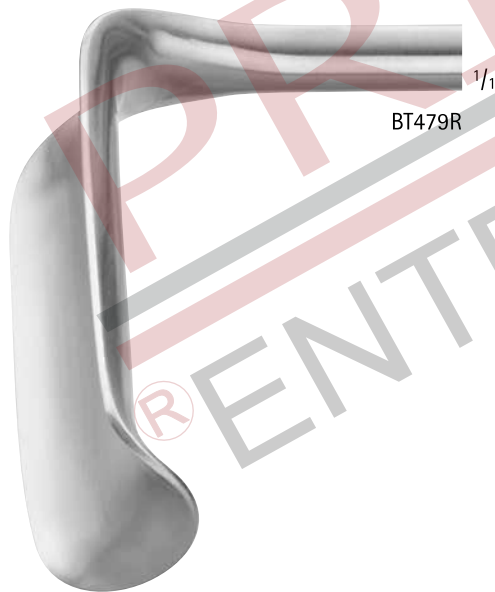
BT478R

RICHARDSON Retractor

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT479R	65 x 41	2 1/2 x 1 5/8	9 3/4



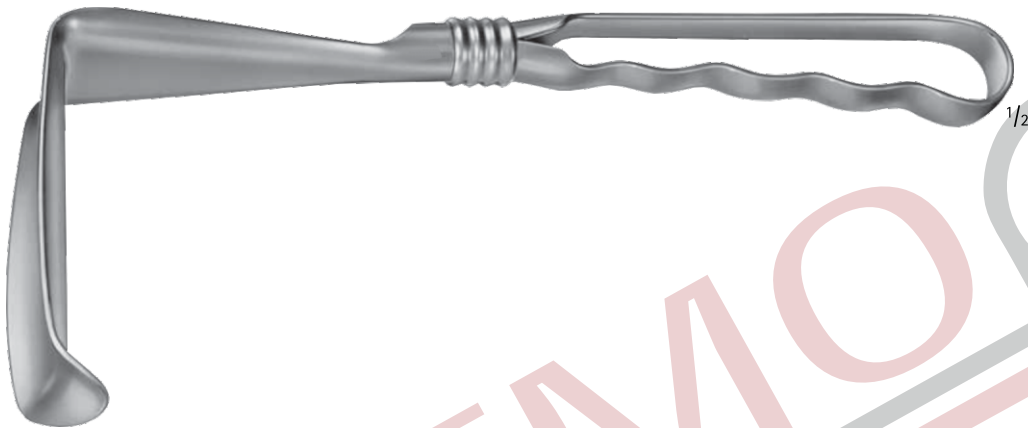
BT479R



BT479R

KELLY Retractor

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT481R	50 x 40	2 x 1 1/2	10 1/4
BT482R	64 x 54	2 1/2 x 2	10 1/4
BT483R	70 x 65	2 3/4 x 2 1/2	10 1/4
BT484R	90 x 76	3 1/2 x 3	10 1/4



BT481R-BT484R



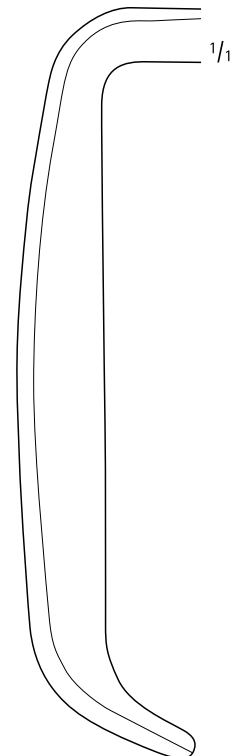
BT481R



BT482R



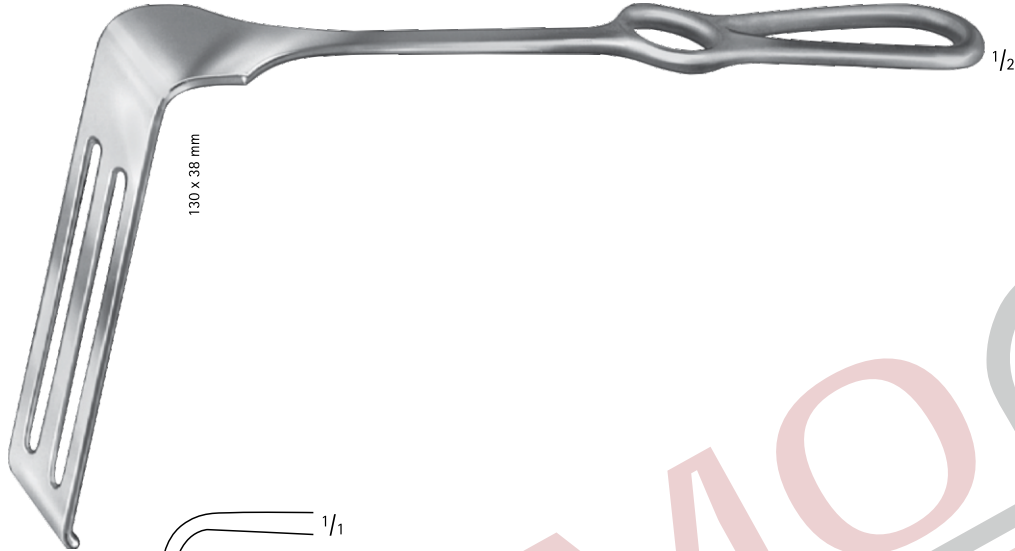
BT483R



BT484R

SAUERBRUCH Retractor, Open

Catalog Number	Blade Size (mm)	Length (in.)
BT514R	130 x 38	10 1/4



BT514R



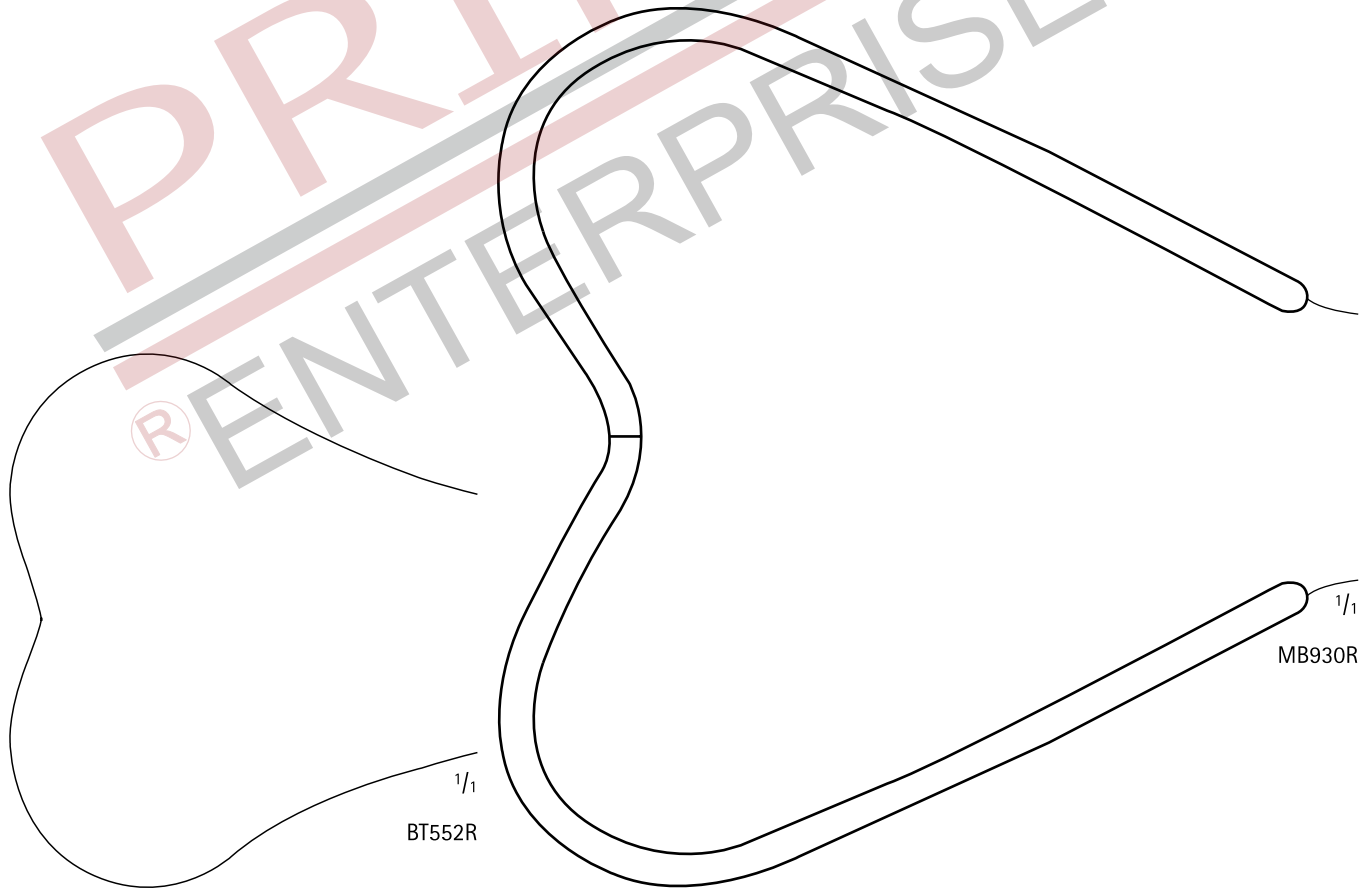
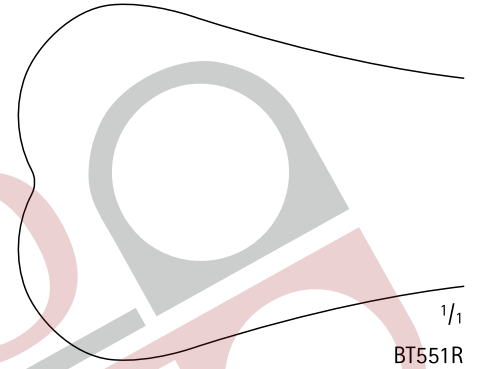
BT514R

HARRINGTON Lung Spatula

Catalog Number	Blade Size (mm)	Blade End	Length (in.)
BT551R	123 x 45	FLEX	11 5/8
BT552R	123 x 64	FLEX	11 5/8
MB930R	190 x 115	FLEX	12 1/2



BT551R, BT552R, MB930R

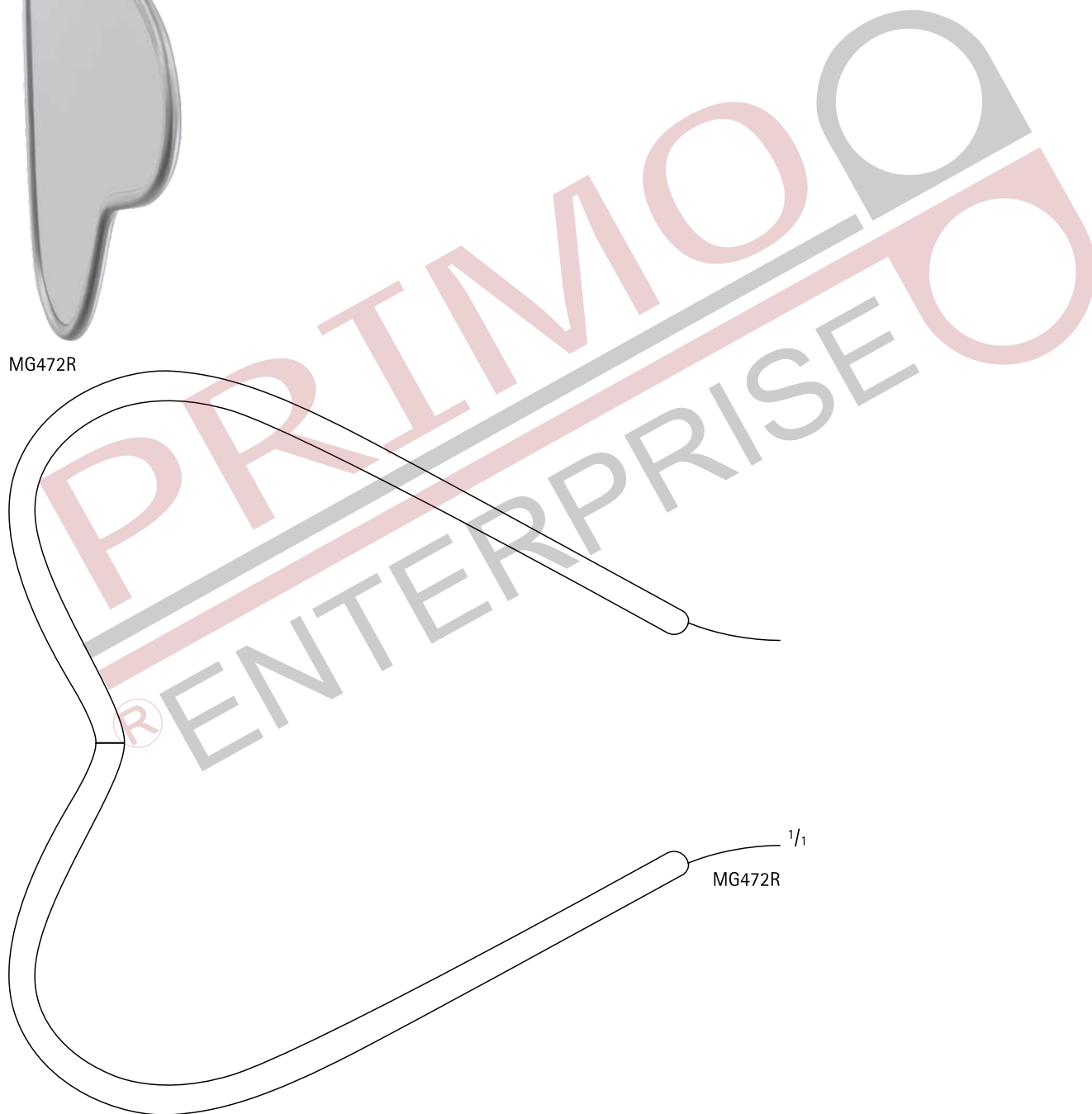


HARRINGTON Retractor, Large Blade

Catalog Number	Blade Size (mm)	Blade End	Length (in.)
MG472R	195 x 115	FLEX	14 3/8



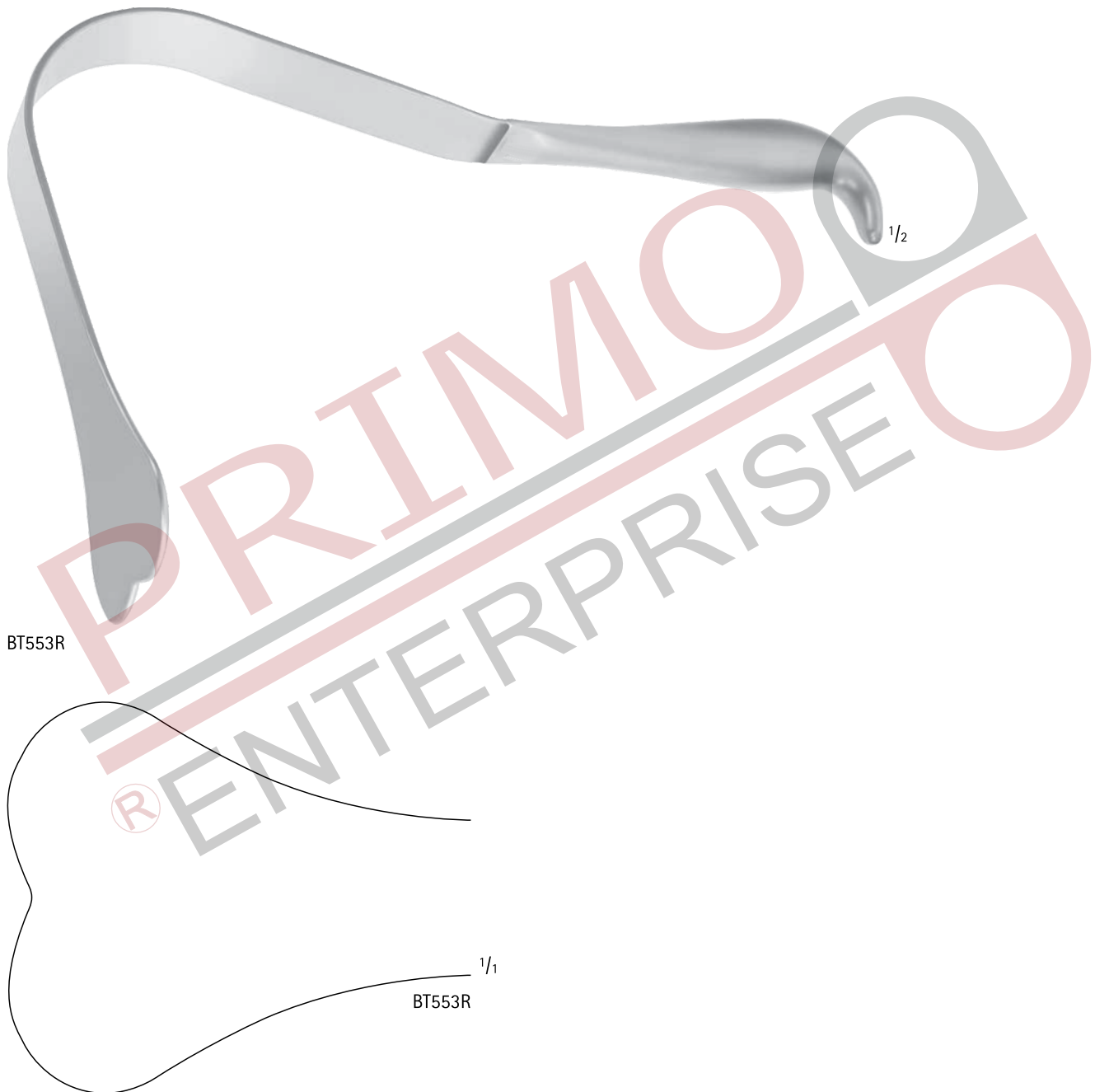
MG472R



1/1
MG472R

HARRINGTON-PEMBERTON Lung
Spatula

Catalog Number	Blade Size (mm)	Blade End	Length (in.)
BT553R	175 x 64	FLEX	11 5/8

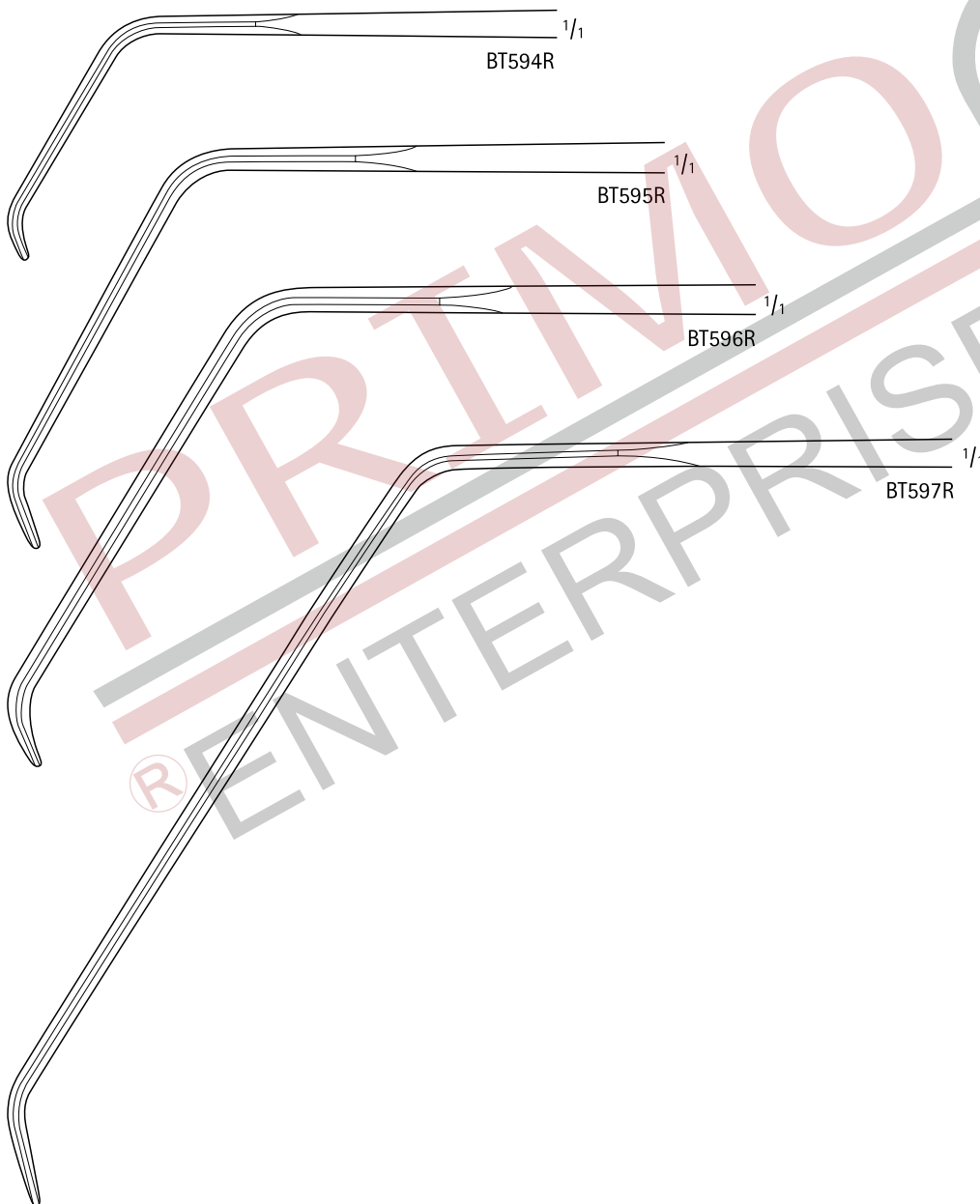


ZENKER Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT594R	36 x 8	9 1/2
BT595R	60 x 12	10
BT596R	75 x 12	10 5/8
BT597R	120 x 12	11 1/2



BT594R-BT597R

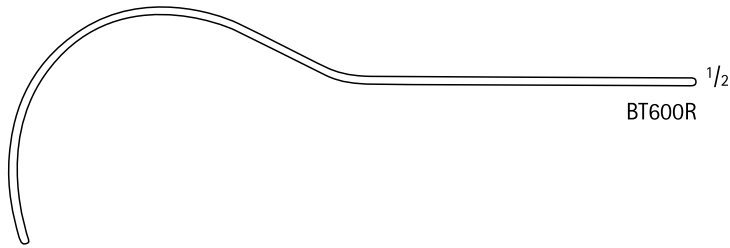


DEAVER Retractor

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT600R	19	3/4	7



BT600R



BT600R

DEAVER Retractor, Double Ended

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT606R	25	1	9 1/4



BT606R



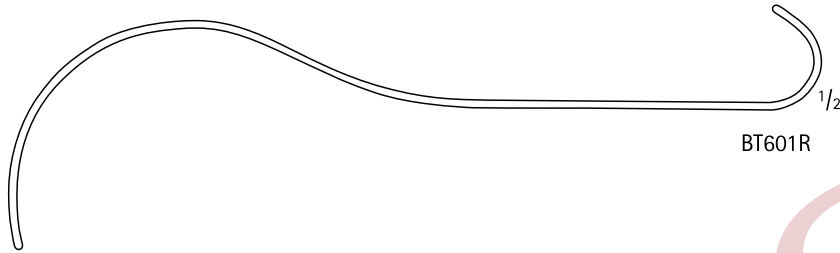
BT606R

DEAVER Retractor

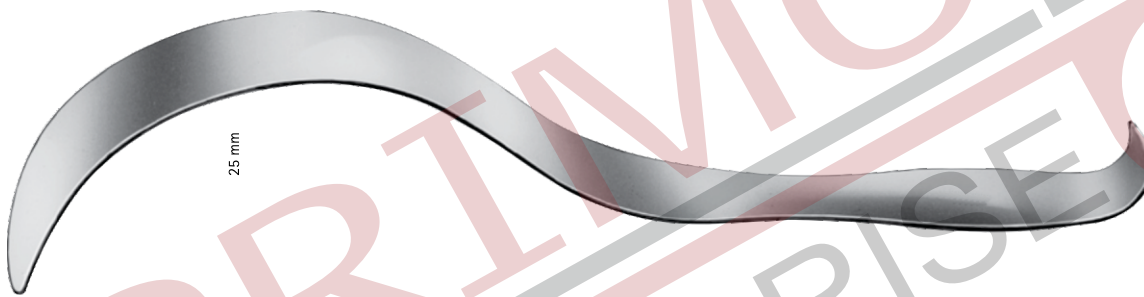
Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT601R	22	7/8	8 1/2
BT602R	25	1	11 3/4
BT603R	25	1	12 3/8



BT601R



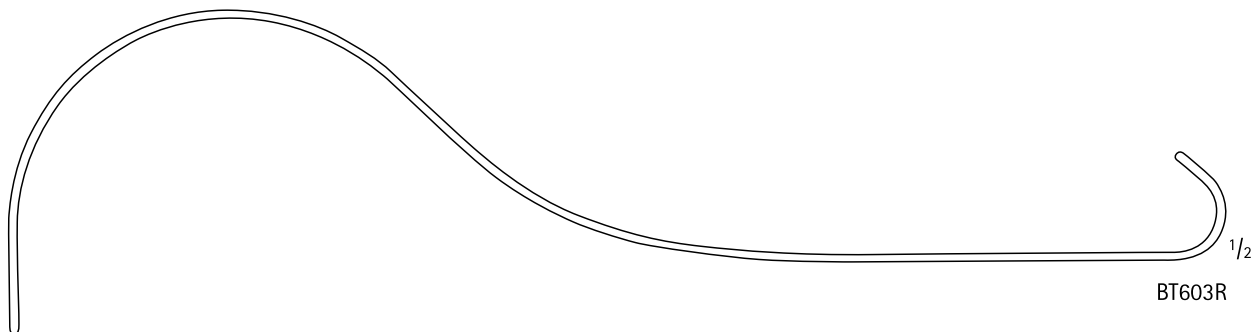
BT601R



BT602R-BT603R



BT602R



BT603R

**DEAVER Retractor
(continued)**

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT604R	38	1 1/2	11 3/4

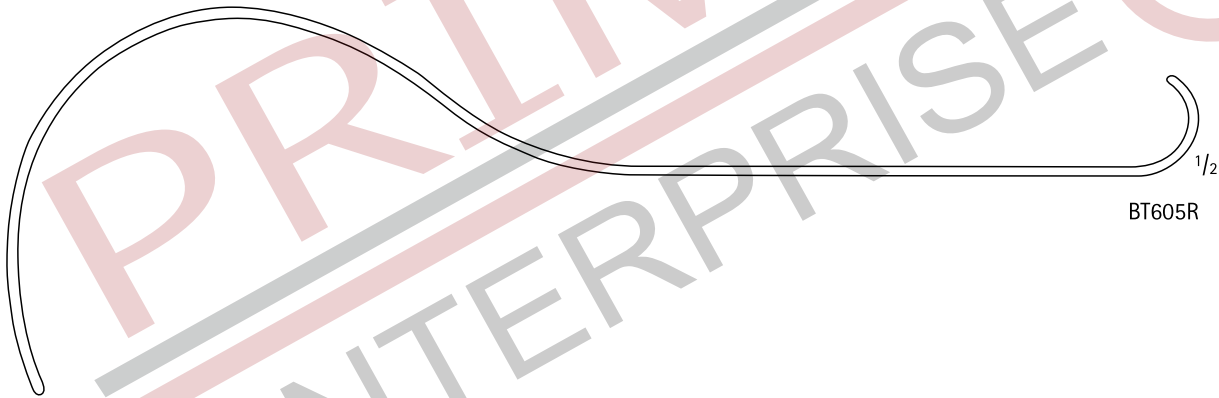


**DEAVER Retractor
(continued)**

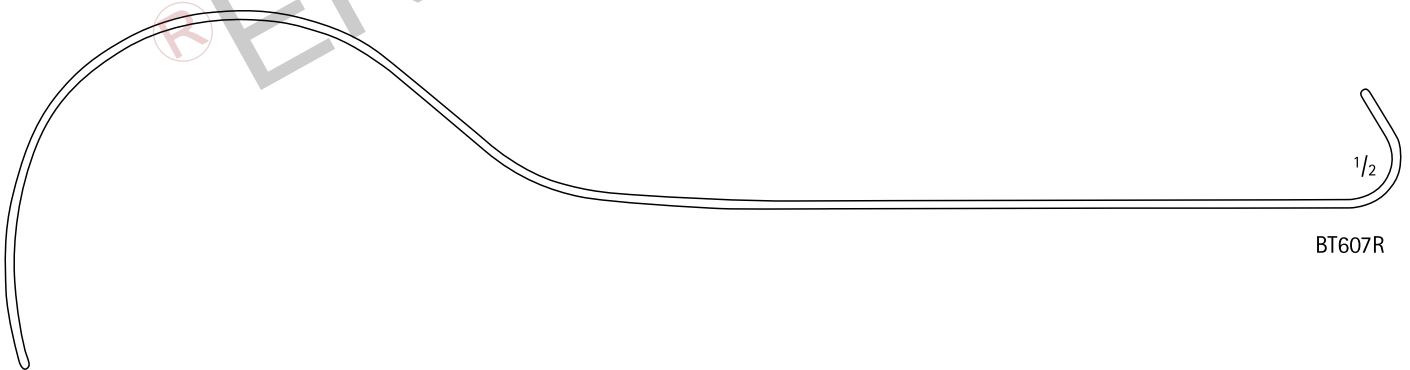
Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT605R	50	2	12 1/4
BT607R	25	1	14 3/8



BT605R-BT607R



BT605R



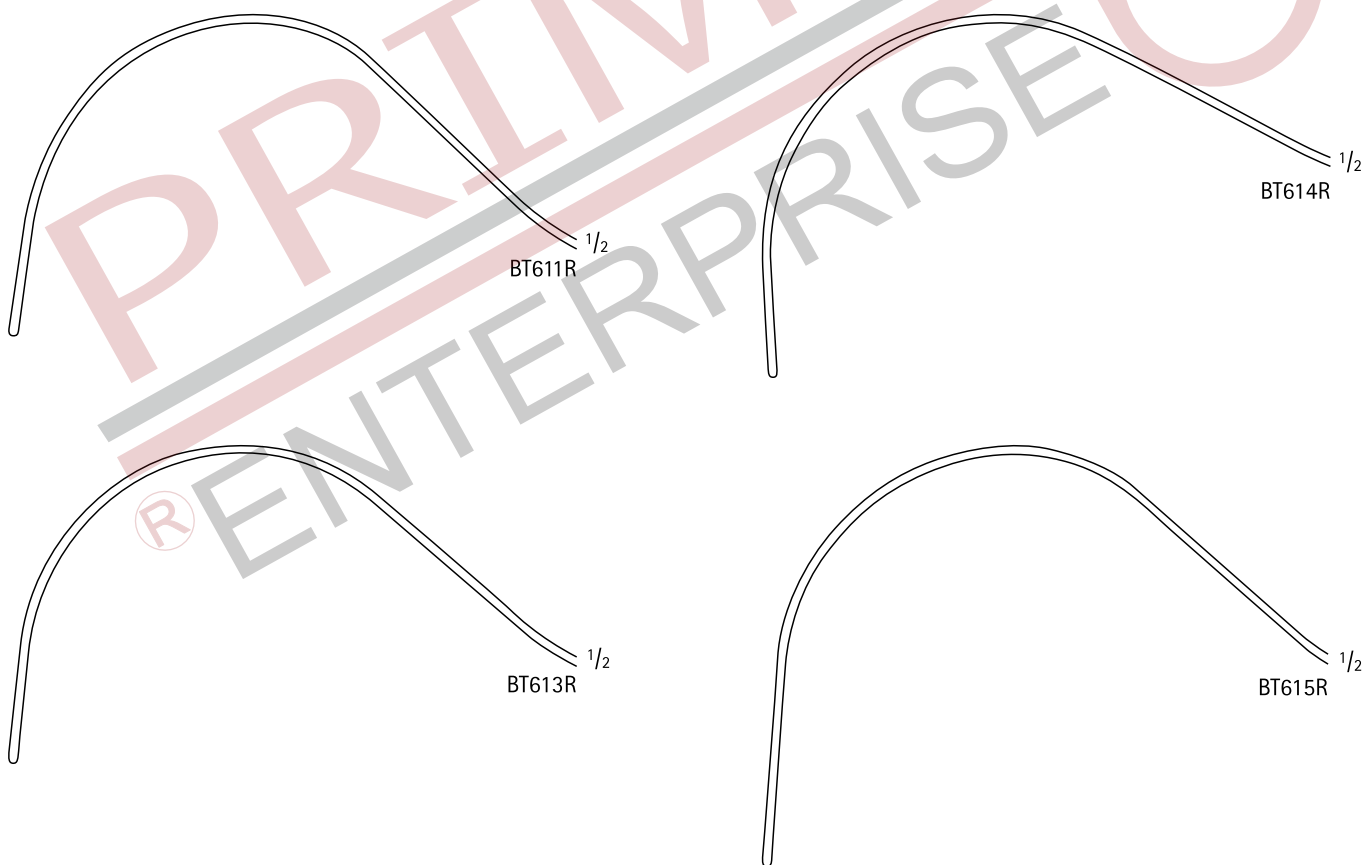
BT607R

DEAVER Retractor, W/ Grip

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT611R	25	1	12 1/4
BT613R	38	1 1/2	12 1/4
BT614R	50	2	12
BT615R	75	3	12 1/4



BT611R-BT615R

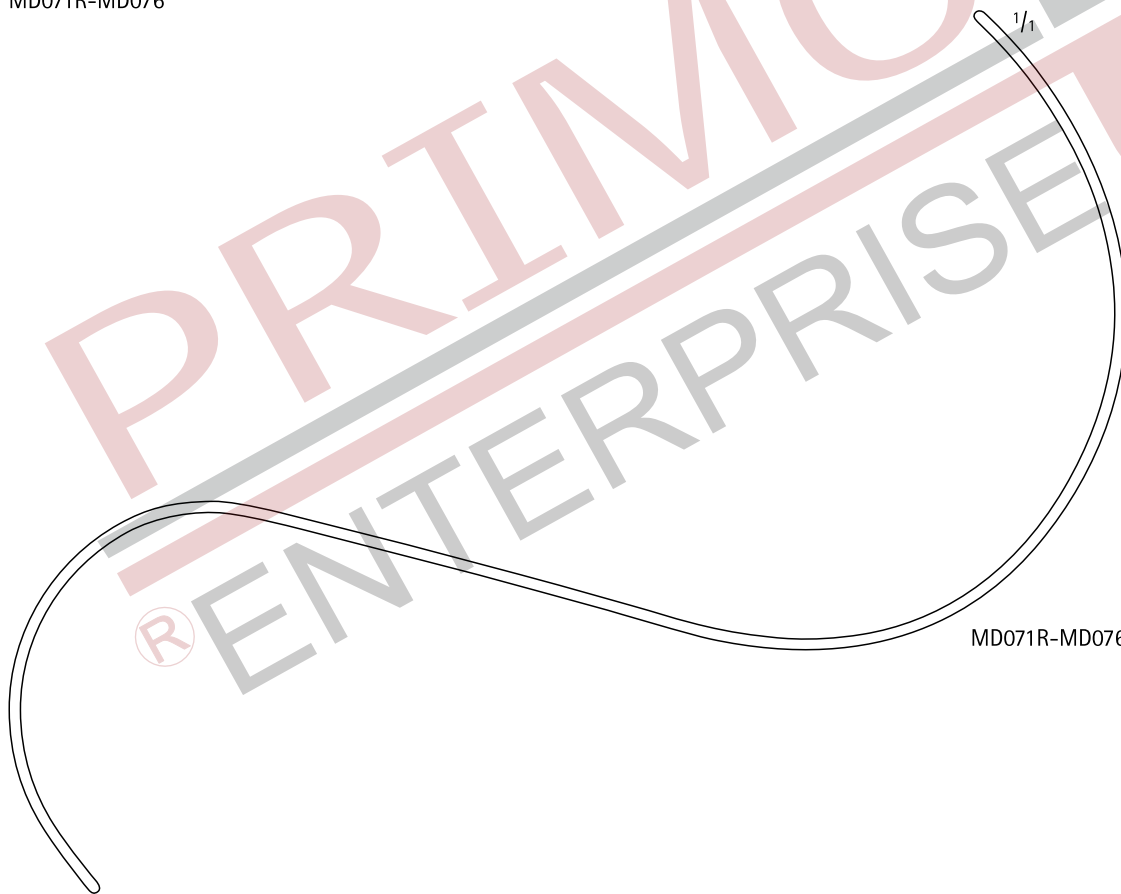


HASSON "S" Retractor, 2/Set

Catalog Number	Blade	Blade Size (mm)	Length (in.)
MD076	MALLEABLE	10	6 1/4
MD077	MALLEABLE	13	7
MD071R	RIGID	10	7 1/8
MD072R	RIGID	13	7 1/8



MD071R-MD076



MD071R-MD076



BT750R

TUFFIER Spatula, Malleable

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT750R	17 / 25	3/4 / 1	7 7/8



BT751R-BT763R, MD498, MG480R-MG484R

Ribbon Spatula, Malleable

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
MG480R	5	1/8	8
BT751R	12	1/2	7 7/8
BT752R	17	3/4	7 7/8
MG481R	25	1	8
BT755R	25	1	9 3/4
MD498	75	3	13
MG482R	20	3/4	13
BT756R	25	1	13
BT761R	30	1 1/4	13
BT762R	40	1 1/2	13
BT763R	50	2	13
MG483R	65	2 1/2	13
MG484R	100	4	13



BT758R

HABERER Spatula, Malleable

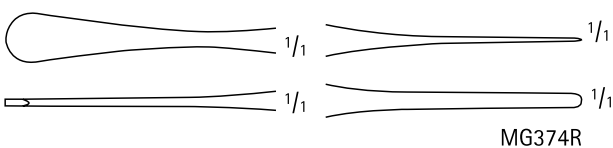
Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT758R	40 / 50	1 1/2 / 2	12



MG374R

Spatula and Packer, Double Ended

Catalog Number	Length (in.)
MG374R	5 3/4



MG374R

DOYEN Abdominal Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT667R	53 x 80	9 3/4
BT669R	72 x 82	10 1/4



BT667R



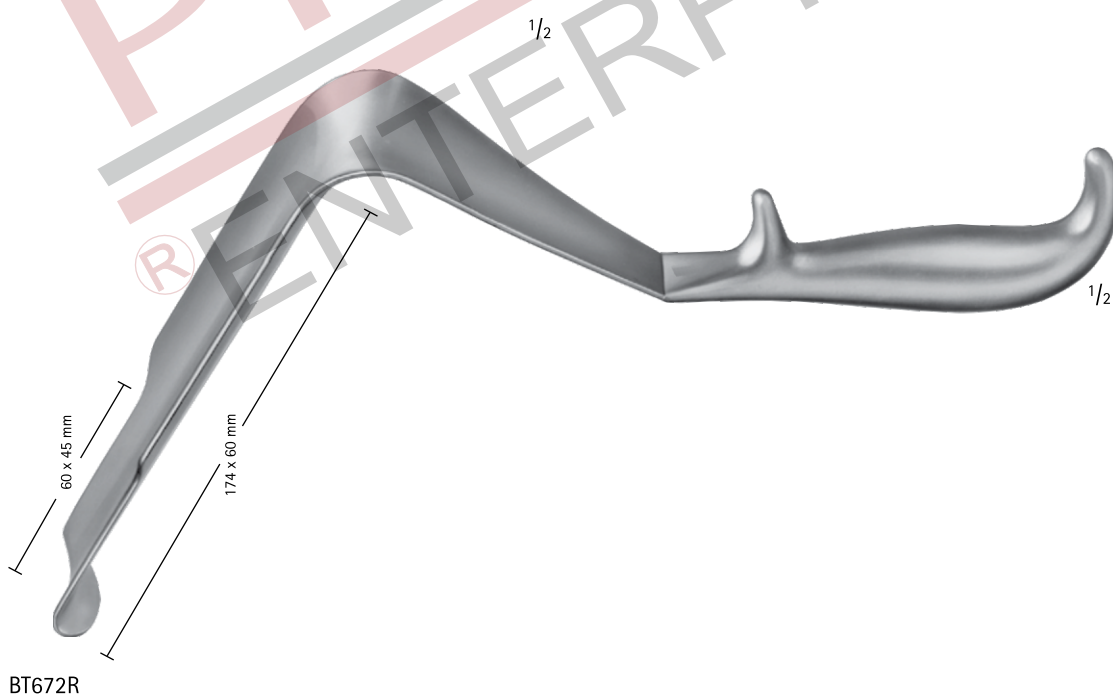
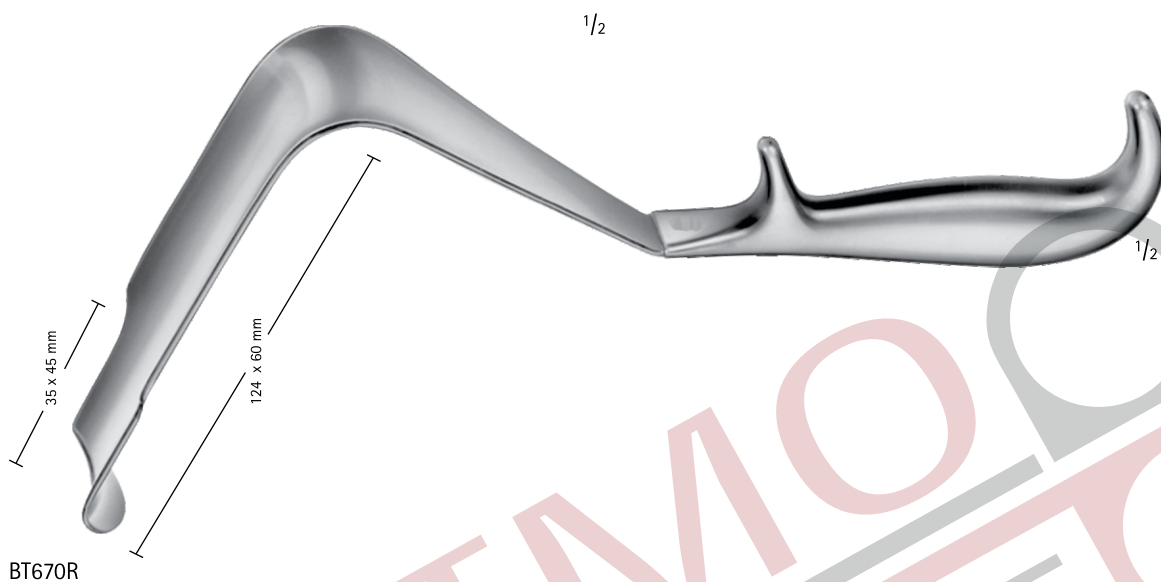
BT669R

¹/₁
BT667R

¹/₁
BT669R

ST. MARKS Pelvis Retractor

Catalog Number	Blade Size (mm)	Length (in.)
BT670R	124 x 60	11 1/2
BT672R	174 x 60	13



**Abdominal Retractor, Malleable,
W/ Handle**

Catalog Number	Blade Size (mm)	Blade Size (in.)	Length (in.)
BT773R	30	1 1/4	16 1/8
BT774R	40	1 1/2	16 1/8
BT775R	50	2	16 1/8
BT776R	60	2 1/2	16 1/8
BT777R	70	2 3/4	16 1/8



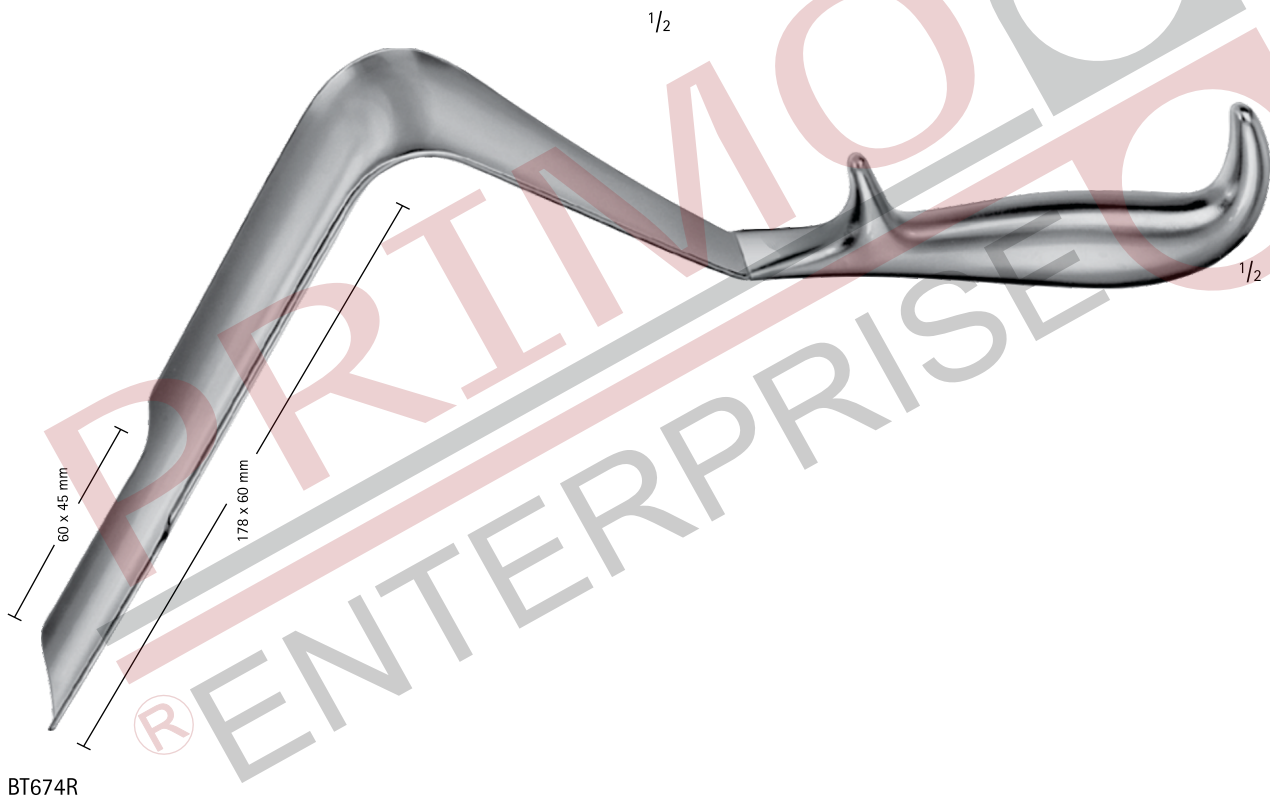
BT773R-BT777R

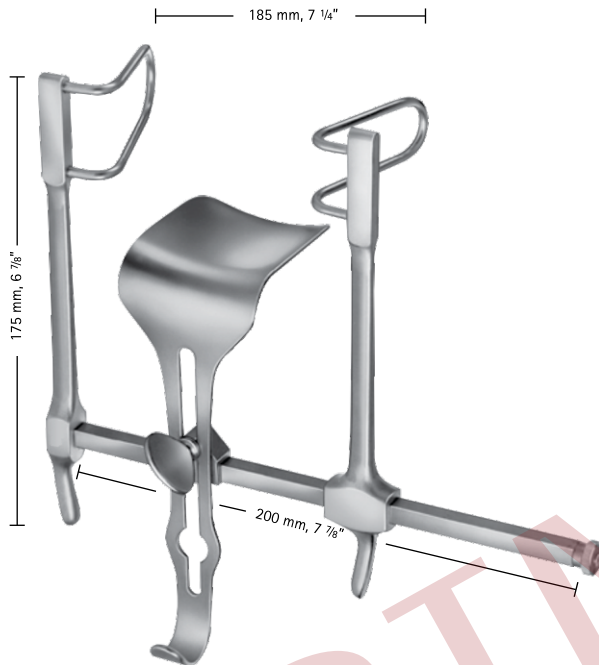


BT773R-BT777R

ST. MARKS Pelvis Retractor
(continued)

Catalog Number	Blade Size (mm)	Length (in.)
BT674R	178 x 60	13



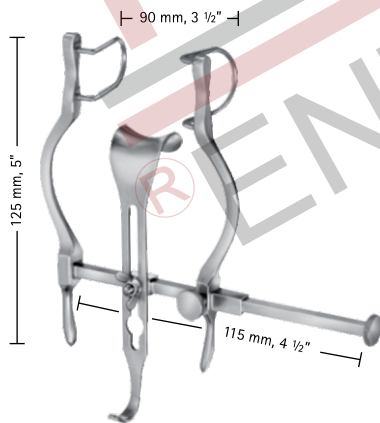


BV505R-BV506R

GOSSET Abdominal Retractor, Large

Catalog Number	Description
BV505R	SET COMPLETE
BV506R	CENTER BLADE ONLY 59 x 57 MM

BV505R Includes:
1 Center Blade BV506R

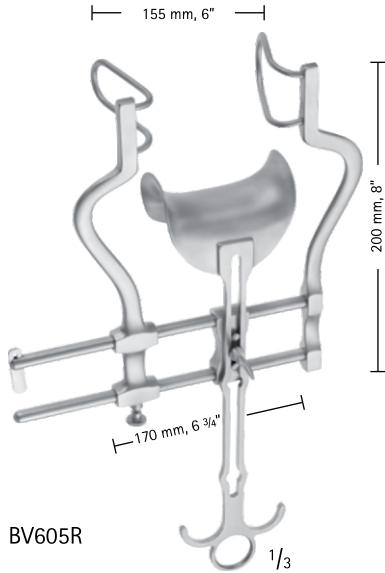


BV601R-BV602R

BALFOUR Baby Abdominal Retractor

Catalog Number	Description
BV601R	SET COMPLETE
BV602R	CENTER BLADE ONLY, 21 x 24 MM

BV601R Includes:
1 Center Blade BV602R

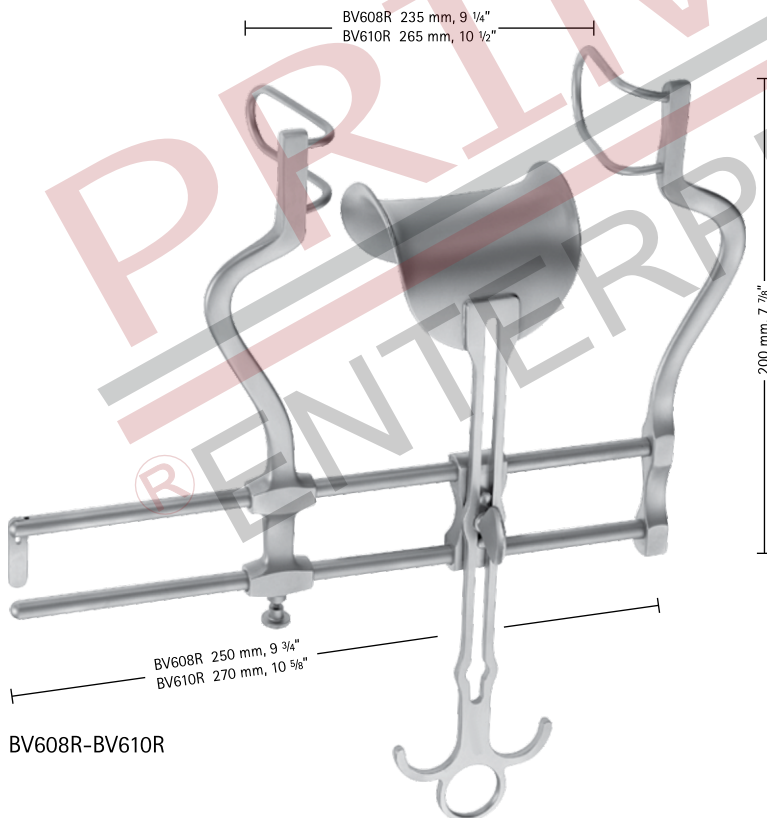


BV605R

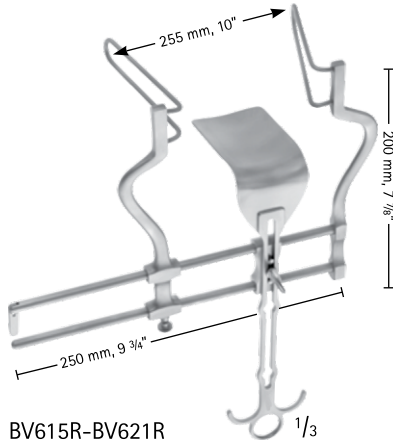
BALFOUR Abdominal Retractor

Catalog Number	Description	Lateral Blades Depth (mm)
BV605R	BALFOUR RETRACTOR, 200 x 155 MM	60
BV608R	BALFOUR RETRACTOR, 200 x 235 MM	60
BV610R	BALFOUR RETRACTOR, 200 x 265 MM	90
BV606R	CENTER BLADE, 47 x 80 MM	-
BV609R	CENTER BLADE, 62 x 76 MM	-
BV611R	CENTER BLADE, 80 x 80 MM	-

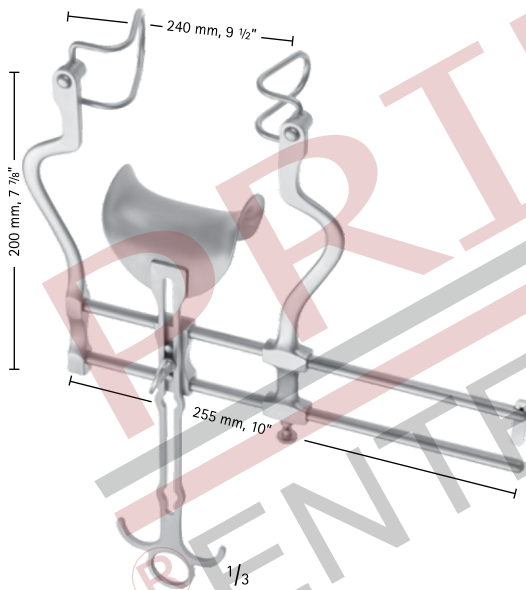
BV605R includes BV606R
 BV608R includes BV609R
 BV610R includes BV611R



BV608R-BV610R



BV615R-BV621R



BV632R-BV638R



BV622R-BV628R

**BALFOUR Abdominal Retractor
(continued)**

Catalog Number	Description
BV615R	BALFOUR RETRACTOR, 200 x 255 MM COMPLETE W/ BV616R
BV632R	BALFOUR RETRACTOR, COMPLETE W/ BV606R, BV621R, BV622R
BV634R	BALFOUR RETRACTOR, COMPLETE W / BV609R, BV621R, BV624R
BV636R	BALFOUR RETRACTOR, COMPLETE W/ BV611R, BV621R, BV626R
BV638R	BALFOUR RETRACTOR, COMPLETE W/ BV611R, BV621R, BV628R
BV616R	CENTER BLADE, 107 x 59 MM
BV621R	SPREADER ONLY, 200 x 250 MM
BV622R	LATERAL BLADE, PAIR 50 MM
BV624R	LATERAL BLADE, PAIR 60 MM
BV626R	LATERAL BLADE, PAIR 75 MM
BV628R	LATERAL BLADE, PAIR 90 MM



MB573R-MB574R

DIXON Center Blade

Catalog Number	Blade	Blade Size (mm)
MB573R	MALLEABLE	171 x 51
MB574R	MALLEABLE	267 x 57



BV617R

**BALFOUR Center Blade For All
BALFOUR Retractors**

Catalog Number	Blade Size (mm)
BV617R	54 x 80



BV618R

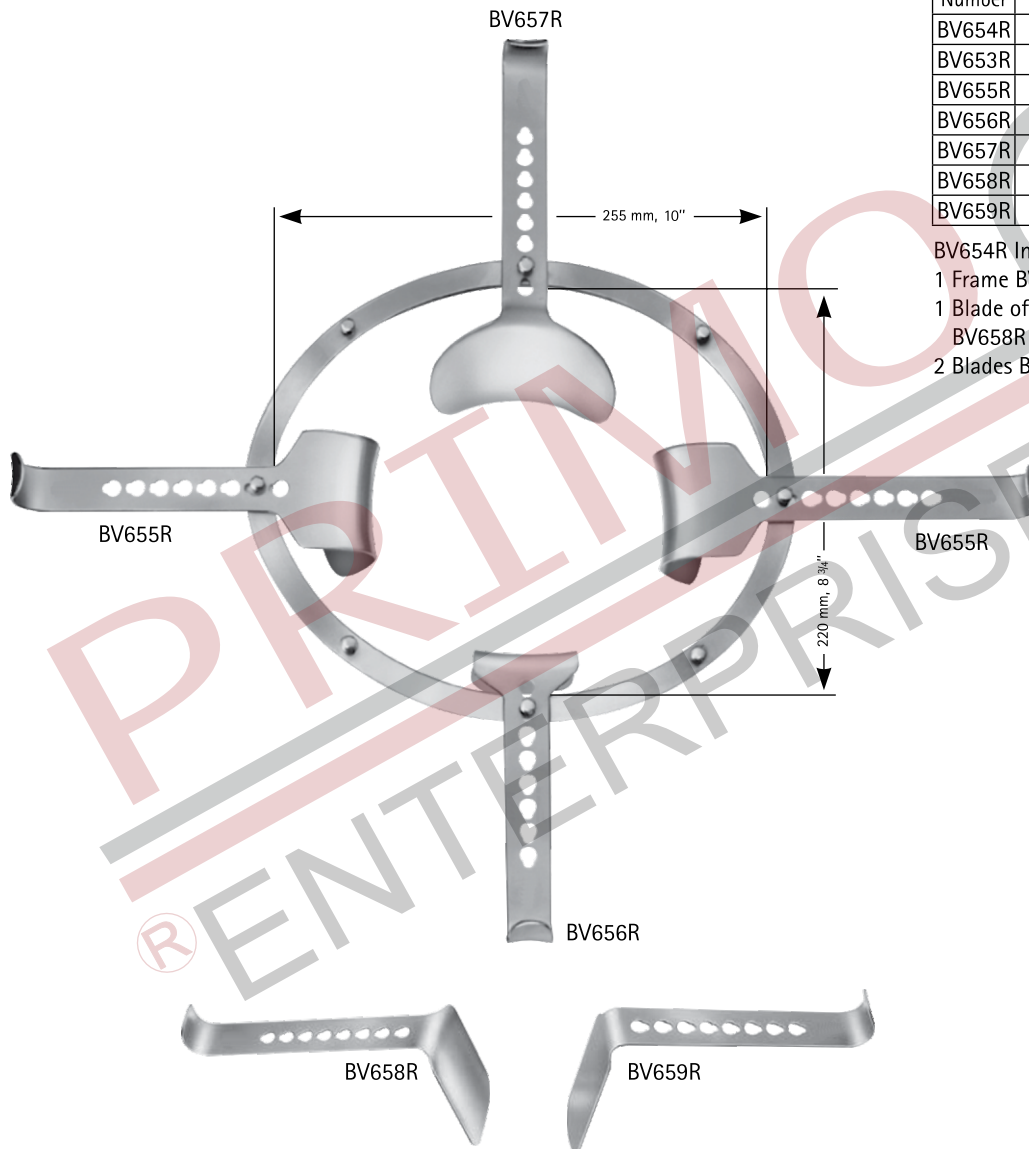
Center Blade F/ BV615R

Catalog Number	Blade Size (mm)
BV618R	75 x 80

SEMM Abdominal Retractor

Catalog Number	Description	Blade Size (mm)
BV654R	COMPLETE SET	-
BV653R	FRAME	-
BV655R	2 BLADES	46 x 64
BV656R	BLADE	53 x 54
BV657R	BLADE	82 x 97
BV658R	BLADE	98 x 51
BV659R	BLADE	107 x 36

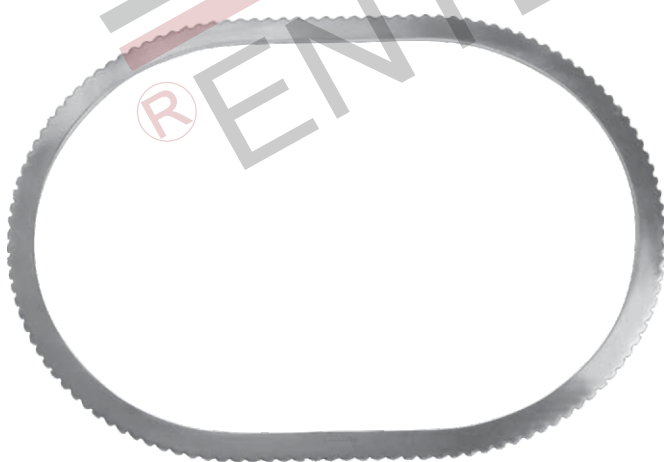
BV654R Includes:
 1 Frame BV653R
 1 Blade of each BV656R, BV657R,
 BV658R and BV659R
 2 Blades BV655R



■ For more information about Universal Ring Retractor System see our brochure number DOC380.



MB499R



MB515-MB517

Universal Ring Retractor System

Catalog Number	Description
MB499R	COMPLETE SET

Complete System Includes:	
MB497	Segmented Medium Oval Ring
MB516	Medium Oval Ring
MB506	Standard Table Clamp 18"
MB488R	Horizontal Flex Bar w/ 360° Rotation 19 1/4"
MB487R	Horizontal Fixed Bar 15 1/2"
MB504	Post Clamp for 1" Bar
MB503	Non-Tilting Blade Clamp (2 each)
MB510	Tilting Blade Clamp (6 each)
MB524	KELLY Retractor Blade 2" x 3" (2 each)
MB525	KELLY Retractor Blade 2" x 4"
MB526	KELLY Retractor Blade 2" x 5"
MB527	KELLY Retractor Blade 2" x 6"
MB529	Malleable Retractor Blade 1 1/2" x 6"
MB530	Malleable Retractor Blade 2" x 6"
MB532	Malleable Retractor Blade 3" x 6"
MB534	BALFOUR Bladder Blade 3" x 2 1/2"
MB544	HARRINGTON Sweetheart Blade 2 1/2" x 5"
MB546	GELPI Point Retractor Blade

Oval Ring

Catalog Number	Size	Width x Length (in.)
MB515	SMALL	8 1/2 x 12
MB516	MEDIUM	10 1/2 x 15
MB517	LARGE	12 1/2 x 18 1/2



MB467R-MB860R

Malleable Retractor Blade

Catalog Number	Description	Width x Depth (in.)
MB860R	-	3/4 x 2
MB861R	-	3/4 x 3
MB862R	-	1 x 1
MB863R	-	1 x 4
MB864R	-	1 x 5
MB865R	-	1 1/2 x 3
MB866R	-	1 1/2 x 4
MB529	-	1 1/2 x 6
MB867R	-	1 1/2 x 8
MB530	-	2 x 6 1/2
MB531	-	2 x 8
MB463R	BARIATRIC	2 x 10
MB532	-	3 x 6
MB464R	BARIATRIC	3 x 10
MB466R	BARIATRIC	3 x 12
MB869R	BARIATRIC	4 x 8
MB465R	BARIATRIC	4 x 10
MB467R	BARIATRIC	4 x 12

**Aluminum Malleable Retractor Blade,
Flat**

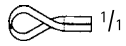
Catalog Number	Description	Width x Depth (in.)
MB954A	-	1 1/2 x 6
MB955A	-	2 x 6
MB956A	-	2 x 8
MB957A	-	3 x 6
MB958A	BARIATRIC	2 x 10
MB959A	BARIATRIC	3 x 10



MB954A-MB959A



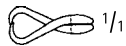
BV001R



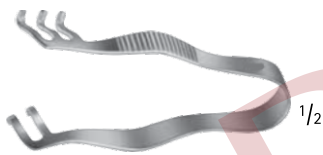
BV001R



BV002R



BV002R



BV003R



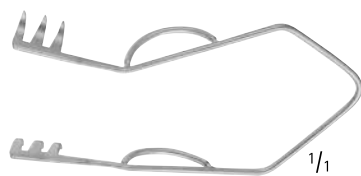
BV003R



BV005R



BV005R



BV014R

FINSEN Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV001R	SHARP	2 x 3 PRONGS	2

FINSEN Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV002R	SHARP	3 x 4 PRONGS	2 3/4

FINSEN Modified Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV003R	BLUNT	2 x 3 PRONGS	3

FINSEN Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV005R	SHARP	3 x 4 PRONGS	2 3/4

PARSONNET Epicardial Retractor

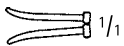
Catalog Number	Tip	Blade End	Length (in.)
BV014R	SHARP	3 x 3 PRONGS	2



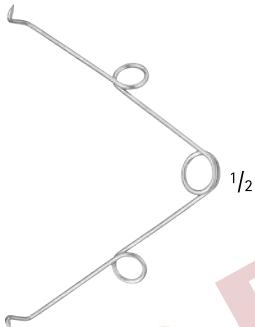
BV006R-BV007R

1/1

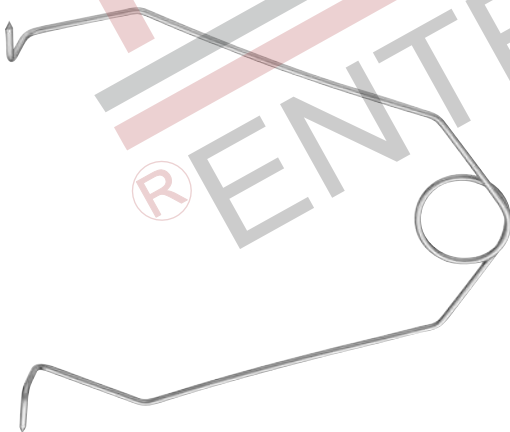
BV006R



BV007R



MD471



MB196R-MB777R

Spring Wire Retractor

Catalog Number	Tip	Prongs	Length (in.)
BV006R	BLUNT	3 x 3	1 3/4
BV007R	BLUNT	3 x 3	2 1/4
MD471	SHARP	1 x 1	3

Spring Wire Retractor

Catalog Number	Size	Length (in.)
MB777R	SMALL	5
MB778R	MEDIUM	5 1/8
MB196R	LARGE	9



BV010R-BV011R



BV010R



BV011R

ALM Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV010R	SHARP	4 x 4 PRONGS	2 3/4
BV011R	SHARP	4 x 4 PRONGS	4



BV008R-BV015R



BV008R



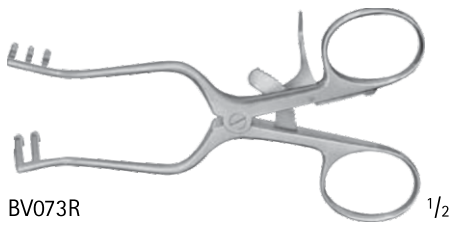
BV015R

HEISS Self-Retaining Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV015R	SHARP	4 x 4 PRONGS	4
BV008R	BLUNT	4 x 4 PRONGS	4

WEITLANER Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV073R	BLUNT	2 x 3 PRONGS	4 1/4
MA438R	BLUNT	3 x 3 PRONGS	4 1/4
BV074R	BLUNT	3 x 4 PRONGS	5 1/8
BV075R	BLUNT	3 x 4 PRONGS	6 1/2
BV104R	BLUNT/ DEEP	3 x 4 PRONGS	5 1/8



BV073R

1/2

1/1

BV073R



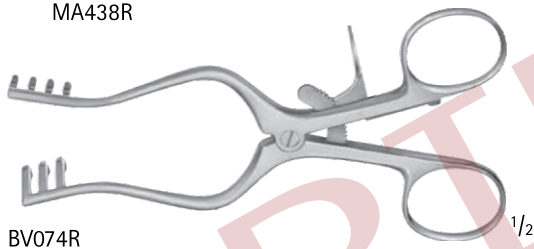
MA438R

1/2



1/1

MA438R

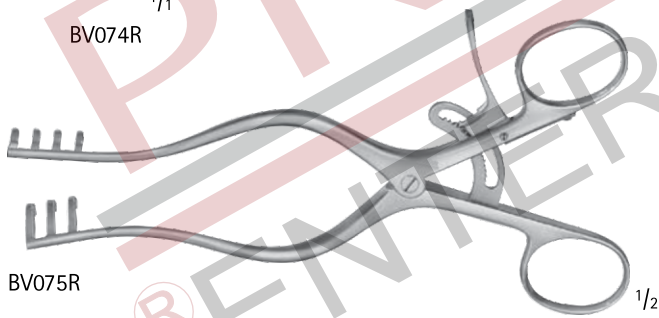


BV074R

1/2

1/1

BV074R

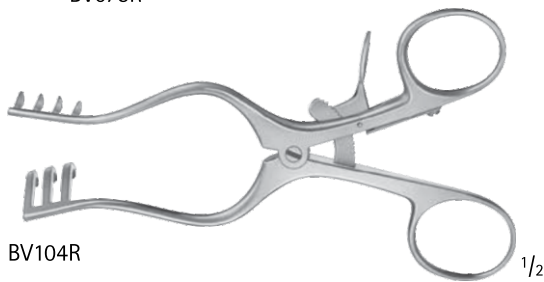


BV075R

1/2

1/1

BV075R



BV104R

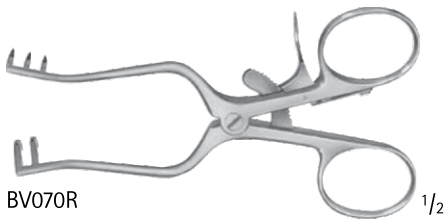
1/2

1/1

BV104R

WEITLANER Retractor

Catalog Number	Tip	Blade End	Length (in.)
BV070R	SHARP	2 x 3 PRONGS	4 1/4
BV071R	SHARP	3 x 4 PRONGS	5 1/8
BV072R	SHARP	3 x 4 PRONGS	6 1/2
BV101R	SHARP/DEEP	3 x 4 PRONGS	5 1/8
BV066R	SEMI-S	2 x 3 PRONGS	4 1/4
BV067R	SEMI-S	3 x 4 PRONGS	5 1/8
BV068R	SEMI-S	3 x 4 PRONGS	6 1/2



BV070R

1/2

1/1

BV070R

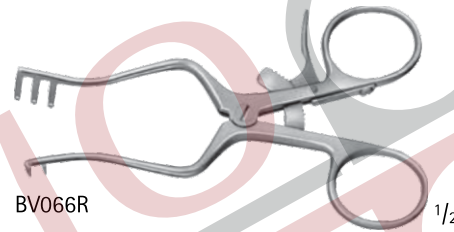


BV071R

1/2

1/1

BV071R



BV066R

1/2

1/1

BV066R



BV072R

1/2

1/1

BV072R

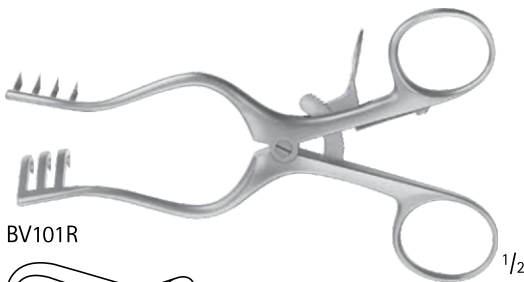


BV067R

1/2

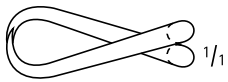
1/1

BV067R

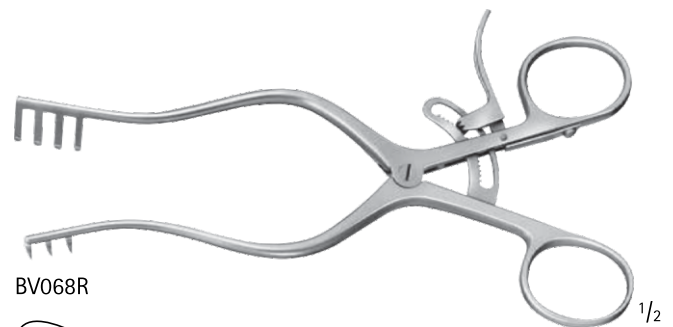


BV101R

1/2

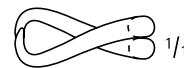


BV101R

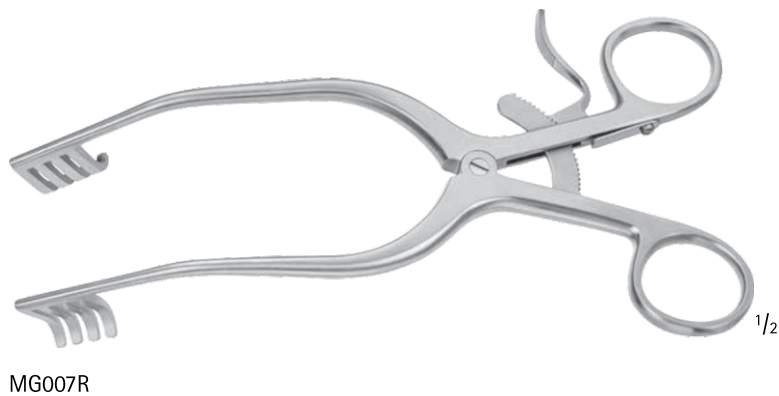
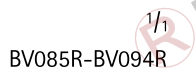
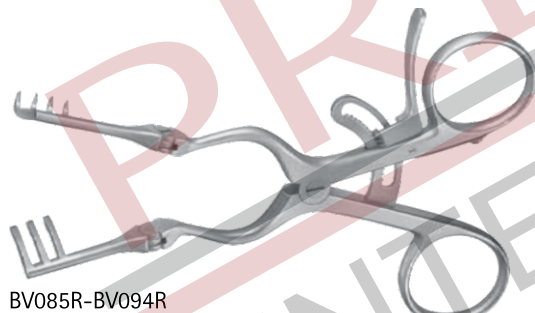
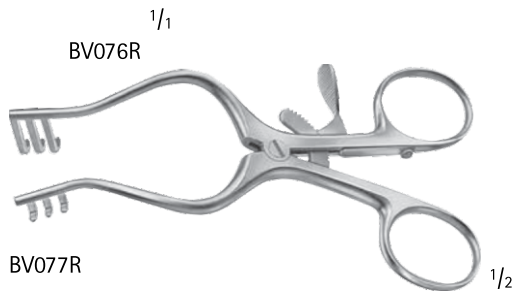


BV068R

1/2



BV068R



WULLSTEIN Retractor

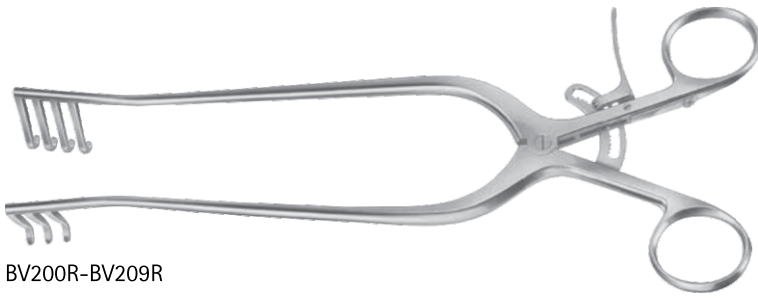
Catalog Number	Tip	Blade End	Length (in.)
BV076R	SHARP	3 x 3 PRONGS	5
BV077R	BLUNT	3 x 3 PRONGS	5

Baby ADSON Retractor, Hinged

Catalog Number	Tip	Blade End	Length (in.)
BV085R	SEMI-S	3 x 4 PRONGS	5 1/2
BV094R	SEMI-S	3 x 4 PRONGS	6 1/2

Baby ADSON Retractor, Angled

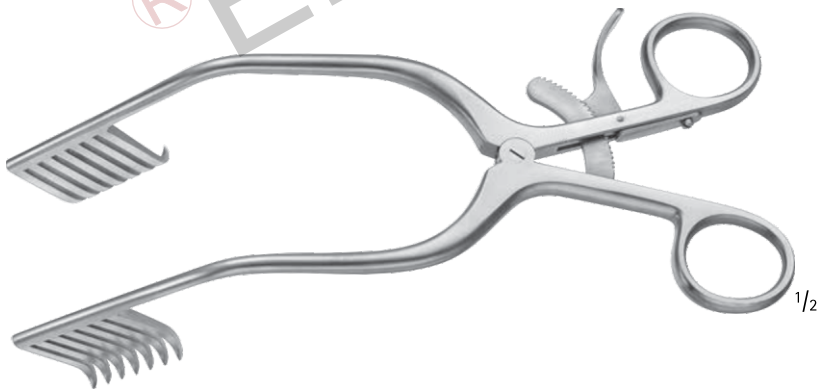
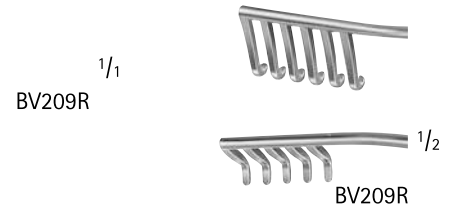
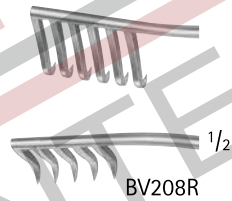
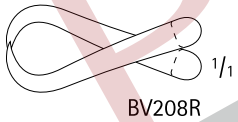
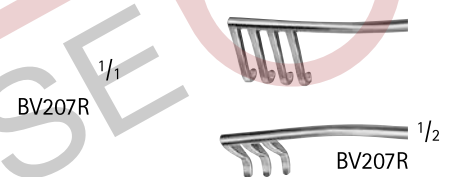
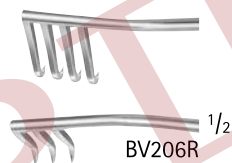
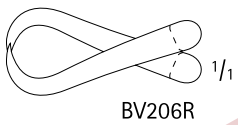
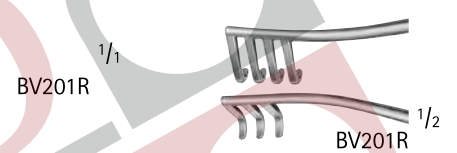
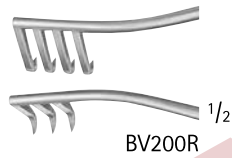
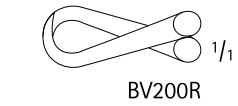
Catalog Number	Tip	Blade End	Length (in.)
MG007R	BLUNT	4 x 4 PRONGS	7 1/2



BV200R-BV209R

WEITLANER Retractor

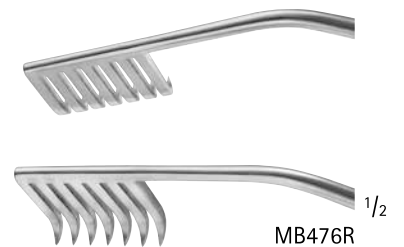
Catalog Number	Tip	Blade End	Length (in.)
BV200R	SHARP	3 x 4 PRONGS	7 7/8
BV206R	SHARP	3 x 4 PRONGS	9 1/2
BV208R	SHARP	5 x 6 PRONGS	10
BV201R	BLUNT	3 x 4 PRONGS	7 7/8
BV207R	BLUNT	3 x 4 PRONGS	9 1/2
BV209R	BLUNT	5 x 6 PRONGS	10



MB476R

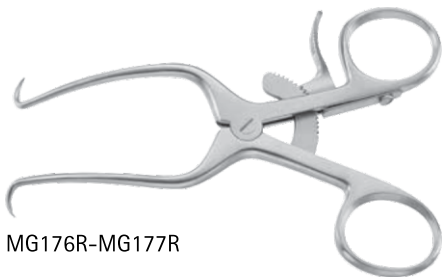
MISKIMON Cerebellar Retractor

Catalog Number	Tip	Blade End	Length (in.)
MB476R	SHARP	7 x 7 PRONGS	7 7/8

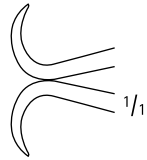


GELPI Vaginal Retractor

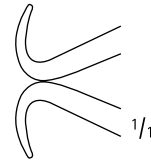
Catalog Number	Tip	Length (in.)
MG176R	SHARP	3 1/2
BV996R	SHARP	5 1/4
BV997R	SHARP	6 7/8
MD651	SHARP	7 1/4
MG177R	BLUNT	4 1/2



MG176R-MG177R



MG176R

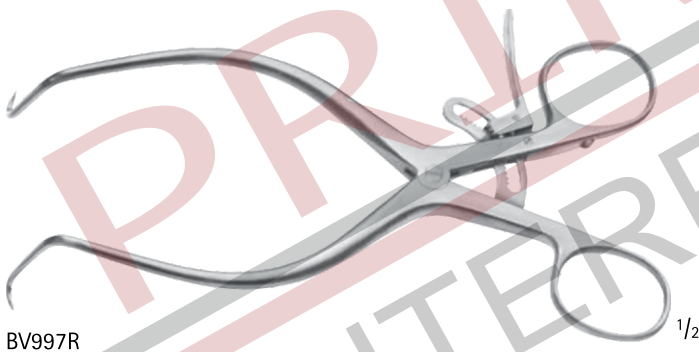


MG177R



BV996R

BV996R ^{1/1}

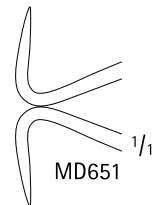


BV997R

BV997R ^{1/1}



MD651



MD651 ^{1/1}



HILL-FERGUSSON Rectal Retractor

Catalog Number	Blade Size (mm)	Length (in.)
MB775R	64 x 24	8 1/4
MB774R	76 x 35	8 1/4
MB776R	76 x 32	8 1/4

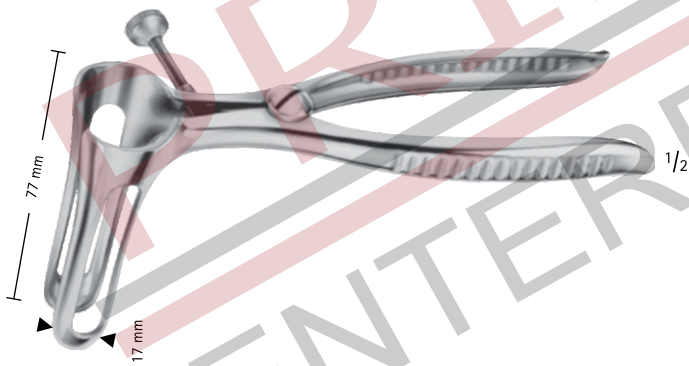
MB774R-MB776R



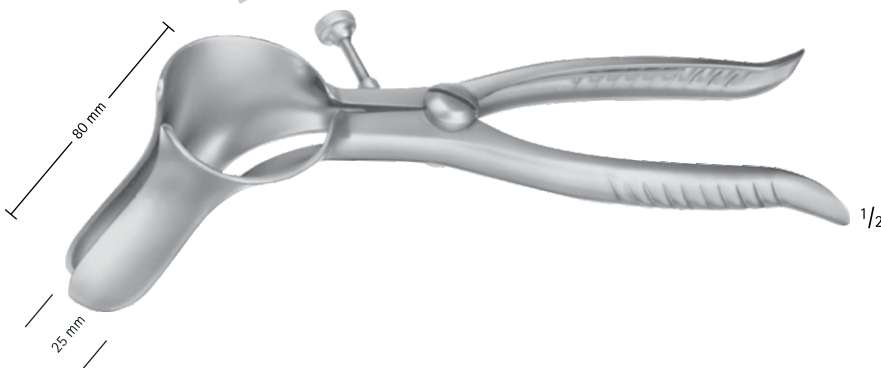
SIMS Rectal Speculum

Catalog Number	Blade	Length (in.)
EA820R	SOLID	6 1/4
EA821R	FENESTRATED	6 1/4

EA820R



EA821R



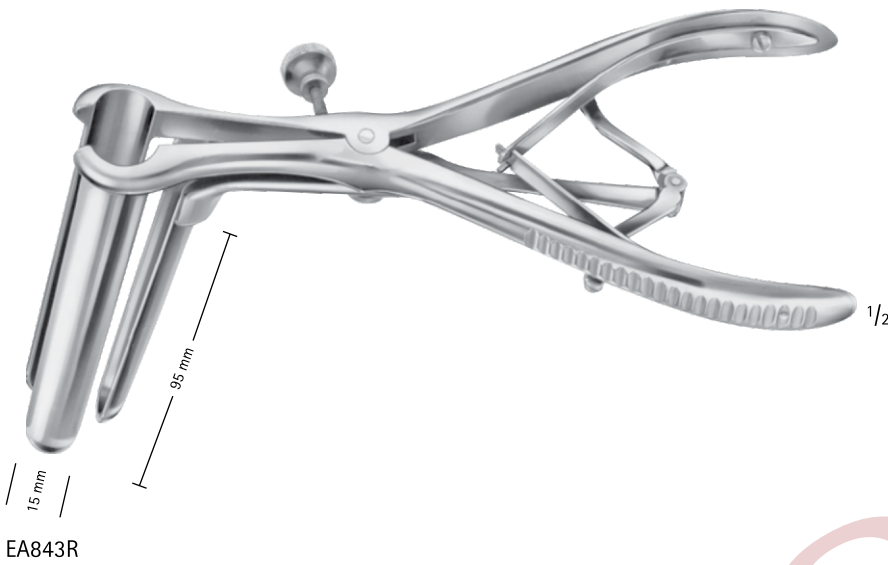
PRATT Rectal Speculum

Catalog Number	Length (in.)
EA831R	8

EA831R

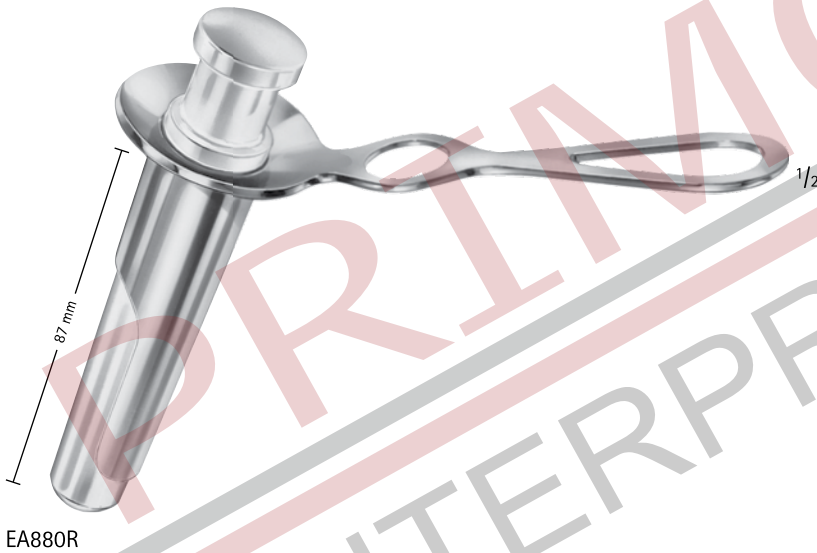
MATHIEU Rectal Speculum

Catalog Number	Length (in.)
EA843R	8 1/2



IVES-FANSLER Anuscope

Catalog Number	Length (in.)
EA880R	5 3/4



Rectal Speculum

Catalog Number	Length (in.)
MB274R	2 3/8





MG160R

CHELSEA-EATON Anal Speculum

Catalog Number	Size	Diameter (mm)	Finish	Length (in.)
MG160R	SMALL	30	MIRROR FINISH	2 1/2



MB179R, MB203R, MB288R

HIRSCHMANN Rectal Speculum

Catalog Number	Size	Blade Size (mm)
MB203R	SMALL	60 x 16
MB288R	MEDIUM	72 x 19
MB179R	LARGE	89 x 23

KELLY Sphincteroscope

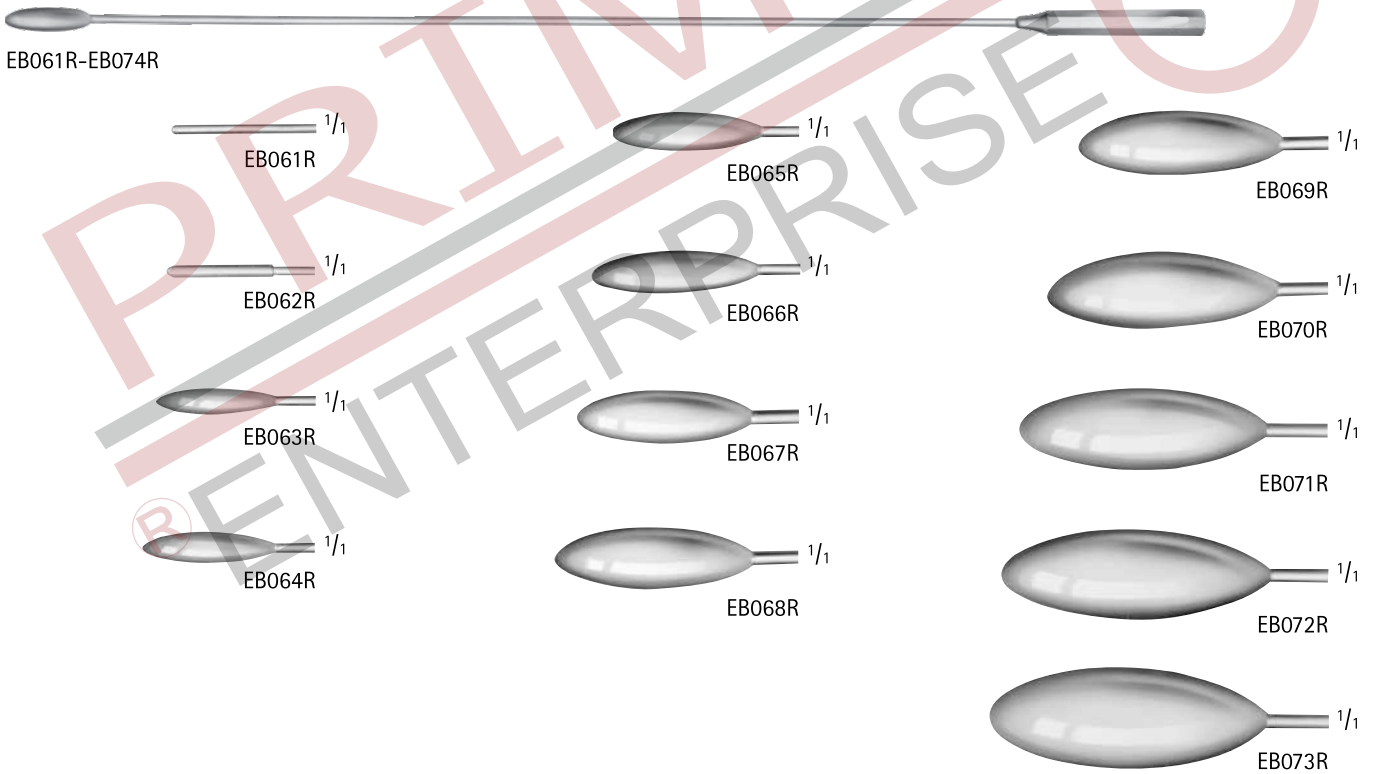
Catalog Number	Diameter (mm)	Working Length (mm)	Length (in.)
EA882R	21	54	6 1/4
EA887R	22	140	5 1/2
EA883R	25	50	6 1/4



EA882R-EA887R

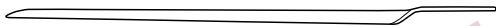
BAKES Bile-Duct Dilator

Catalog Number	Tip Size (mm)	Length (in.)
EB061R	1	12 3/8
EB062R	2	12 3/8
EB063R	3	12 3/8
EB064R	4	12 3/8
EB065R	5	12 3/8
EB066R	6	12 1/2
EB067R	7	12 1/2
EB068R	8	12 1/2
EB069R	9	12 1/2
EB070R	10	12 1/2
EB071R	11	12 1/2
EB072R	12	12 1/2
EB073R	13	12 1/2
EB074R	SET, 3-11 mm	-





BN003R-BN006R



BN003R-BN006R

Director W/ Tongue

Catalog Number	Blade Shape	Length (in.)
BN003R	STR	5 1/8
BN004R	STR	5 3/4
BN006R	STR	6 1/4



BN010R



BN010R

DOYEN Director W/ Tongue

Catalog Number	Blade Shape	Length (in.)
BN010R	CVD	5 3/4



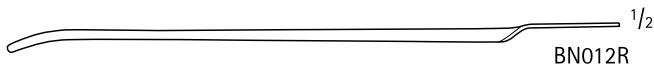
Grooved Director W/ Tongue

Catalog Number	Length (in.)
MB336R	4 $\frac{1}{2}$



NELATON Director

Catalog Number	Blade Shape	Length (in.)
BN012R	CVD	6 $\frac{1}{4}$



Director, W/ Probe Tip & Tongue

Catalog Number	Diam. of Tip (mm)	Blade Shape	Length (in.)
BN015R	3.3	STR	5 $\frac{1}{2}$



BRODIE Director, W/ Probe Tip & Tongue

Catalog Number	Diam. of Tip (mm)	Blade Shape	Length (in.)
BN020R	3.5	STR	7 $\frac{7}{8}$

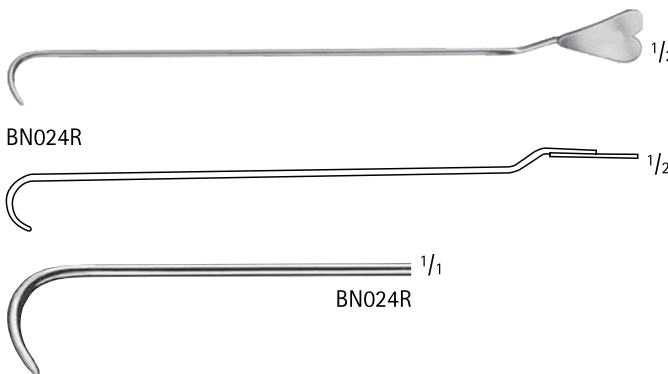
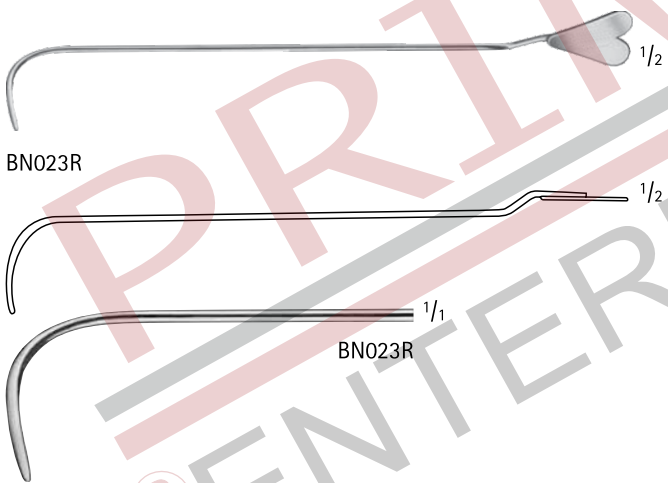
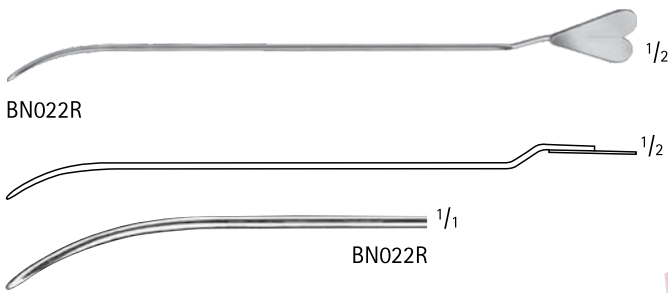
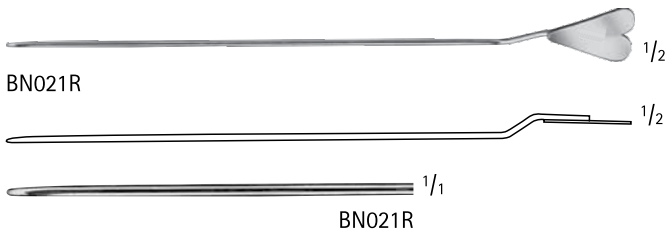


Probe

Catalog Number	Diam. of Tip (mm)	Length (in.)
BN170R	1.4	6 $\frac{1}{4}$

LOCKHART-MUMMERY Fistula Probe

Catalog Number	Blade Shape	Length (in.)
BN021R	#1-STR	6 1/2
BN022R	#2-SLT-CVD	6 1/2
BN023R	#3-CVD	6 1/2
BN024R	#4-HVY-CVD	6 1/2





BUIE Fistula Probe

Catalog Number	Description	Length (in.)
MG168R	LIGHT	6 1/2
MG169R	HEAVY	6 1/2



Probe W/ Eye

Catalog Number	Tip Size (mm)	Length (in.)
MB603R	1.5	5
BN034R	2.5	5 3/4
BN036R	2.5	6 1/4
BN040R	3	7 7/8



Probe W/ Eye, Silver

Catalog Number	Tip Size (mm)	Length (in.)
MG571	1.75	4 1/2

BN104R-BN150R

Double Ended Probe

Catalog Number	Tip Size (mm)	Length (in.)
BN104R	1.0	5 3/4
BN113R	1.5	5 1/8
BN114R	1.5	5 3/4
BN116R	1.5	6 1/4
BN118R	1.5	7
BN120R	1.5	7 7/8
BN125R	1.5	9 3/4
BN134R	2.0	5 3/4
BN136R	2.0	6 1/4
BN138R	2.0	7
BN140R	2.0	7 7/8
BN150R	2.0	11 3/4

BN090R

1/2

Double Ended Probe W/ Eye, Malleable

Catalog Number	Tip Size (mm)	Length (in.)
BN090R	3.0	7 1/2
BN095	3.5	9 3/4
BN096	3.5	11 3/4

BN095-BN096

DESJARDINS Gall Duct Probe, Flexible

Catalog Number	Tip Size (mm)	Length (in.)
EB101R	3.8	11 1/4
EB102R	4.3	11 1/4
EB103R	6.8	11 1/4



EB101R-EB103R



EB101R



EB102R



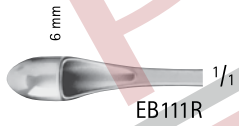
EB103R

DESJARDINS Gall Stone Scoop

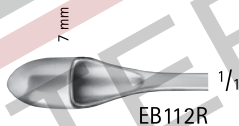
Catalog Number	Tip Size (mm)	Length (in.)
EB111R	6	11 3/4
EB112R	7	11 3/4
EB113R	8	11 3/4
EB114R	9	11 3/4



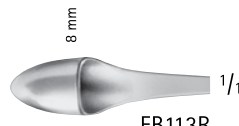
EB111R-EB114R



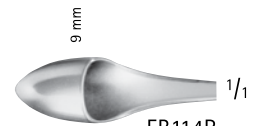
EB111R



EB112R



EB113R



EB114R

MAYO Gall Duct Probe

Catalog Number	Tip Size (mm)	Tip	Length (in.)
EO005R	5	MALLEABLE	13



EO005R

**Scalpel Handle #3, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Size	Length (in.)
BB074R	#3	5
BB075R	#3L	8 1/4
BB175R	#3XL	9 3/4
MB917R	#3	16



BB074R



BB075R



BB175R



MB917R

**Scalpel Handle #3L, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Blade Shape	Length (in.)
MB127R	ANG	8



MB127R



BB078R

**Scalpel X-Long Handle, #3, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Blade Shape	Length (in.)
BB078R	STR	8 7/8



Scalpel X-Long Handle, #3, F/ Blades nos. 10-15, 40, 42

Catalog Number	Blade Shape	Length (in.)
BB079R	ANG	8 7/8



Scalpel Handle #4, F/ Blade nos. 18-36

Catalog Number	Length (in.)
BB080R	8 7/8



Scalpel Handle #4, F/ Blades nos. 18-36

Catalog Number	Length (in.)
BB084R	5 1/4



Scalpel Handle #4L, F/ Blades nos. 18-36

Catalog Number	Length (in.)
BB085R	8 1/2

**Scalpel Handle #4XL, F/ Blades
nos. 18-36**

Catalog Number	Length (in.)
BB087R	9 3/4



BB087R

**Scalpel Handle #7, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Length (in.)
BB077R	6 1/4



BB077R

**Scalpel Handle #9XL, F/ Blades
nos. 18-36**

Catalog Number	Length (in.)
MA202R	4 5/8
BB089R	5 3/4



MA202R



BB089R

**Scalpel Handle #3, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Size	Length (in.)
BB074R	#3	5
BB075R	#3L	8 1/4
BB175R	#3XL	9 3/4
MB917R	#3	16



BB074R

1/1



BB075R

2/3



BB175R

1/2



MB917R

1/3

**Scalpel Handle #3L, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Blade Shape	Length (in.)
MB127R	ANG	8



MB127R

2/3



BB078R

1/2

**Scalpel X-Long Handle, #3, F/ Blades
nos. 10-15, 40, 42**

Catalog Number	Blade Shape	Length (in.)
BB078R	STR	8 7/8

LISTON Amputating Knife

Catalog Number	Blade Length (mm)	Blade Size (in.)
FH100R	130	5 1/8
FH101R	160	6 1/4
FH102R	190	7 1/2
FH103R	220	8 3/4



FH100R-FH103R

CATLIN Amputating Knife, Double Cutting

Catalog Number	Blade Length (mm)	Blade Size (in.)
FH116R	160	6 1/4



FH116R



FH300R



FH301C-FH302C

CHARRIÈRE Amputation Saw, 2 Blades

Catalog Number	Item	Blade Size (in.)	Blade Width (mm)	Total Length (in.)
FH300R	SAW COMPLETE W/2 BLADES	8 1/2	-	14
FH301C	CARBON STEEL BLADE	8 1/2	12	-
FH302C	CARBON STEEL BLADE	8 1/2	18	-

CHARRIÈRE Amputation Saw

Catalog Number	Item	Blade Size (in.)	Total Length (in.)
FH320R	SAW COMPLETE	7 1/4	10 1/2



FH320R



FH325R-FH326R

SATTERLEE Amputation Saw

Catalog Number	Item	Total Length (in.)
FH325R	SAW COMPLETE	11 1/2
FH326R	CARBON STEEL BLADE F/ FH325R	-

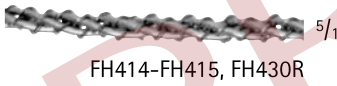
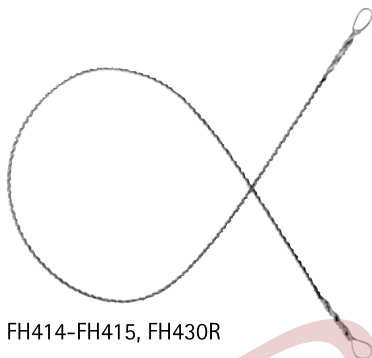
LANGENBECK Metacarpal Saw

Catalog Number	Length (in.)
FH335R	9 1/4



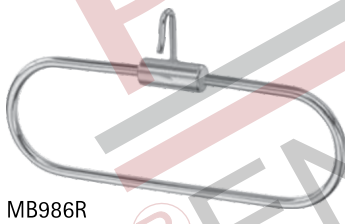
GIGLI Wire Saw

Catalog Number	Diameter (mm)	Wires	Sales Unit	Length (in.)
FH414	1.4	6	BOX OF 5	15 3/4
FH415	1.4	6	BOX OF 5	19 3/4
FH430R	1.8	4	BOX OF 5	19 3/4



GIGLI Saw Handle

Catalog Number	Packaging
MB986R	2/SET



GIGLI Hook Handle, F/ Wire Saws

Catalog Number	Packaging
FH480R	2/SET



POOLE Suction Tube

Catalog Number	Handle	Tip Size (FR)	Hole in Tip Inner/Outer	Tube Diameter Inner/Outer	Length (in.)
MG272R	STR	30	YES/YES	5 mm/10 mm	8 1/2
GF862R	STR	30	YES/NO	5 mm/10 mm	8 7/8
MB927R	STR	30	YES/YES	4 mm/10 mm	14
MB928R	STR	30	YES/YES	4 mm/10 mm	16
MG271R	CVD	24	YES/NO	4 mm/8 mm	8 3/4
GF860R	CVD	21	YES/YES	4 mm/8 mm	8 7/8



MG272R



GF862R



MB927R-MB928R



MB927R



MB928R

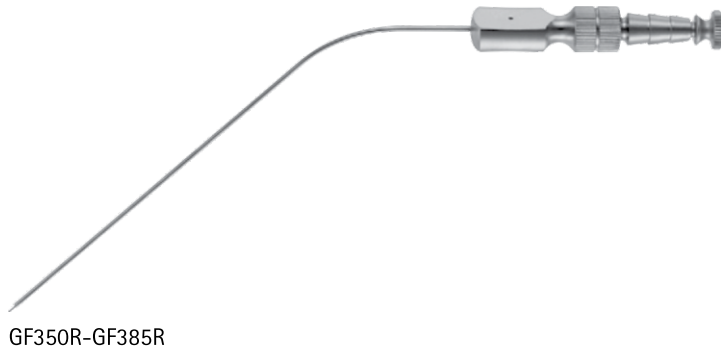


MG271R



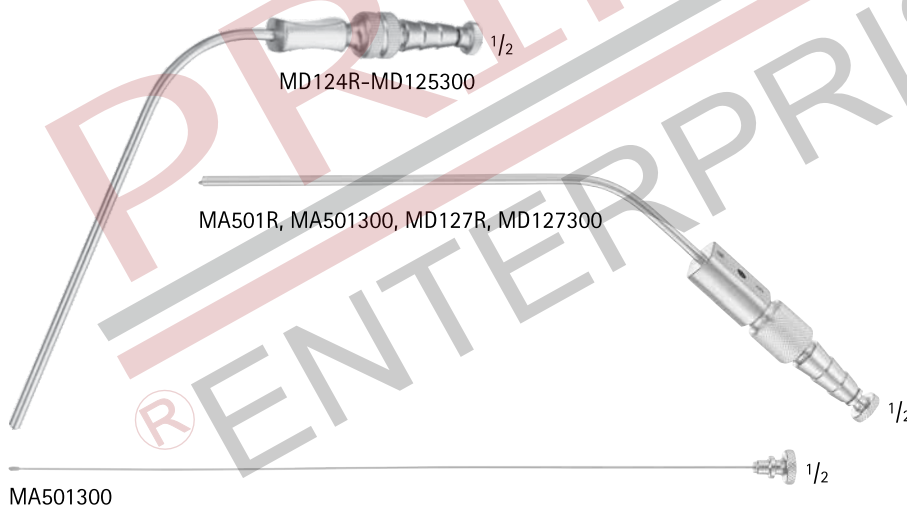
GF860R





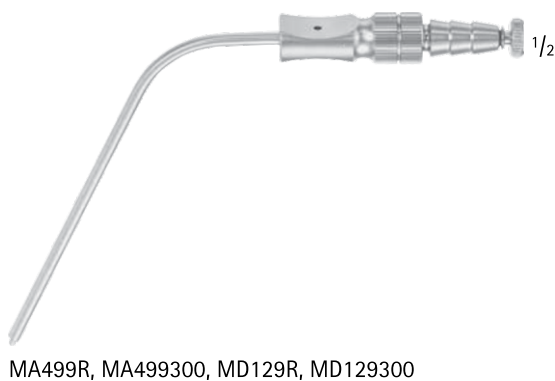
FERGUSSON Suction Tube, Luer Hub

Catalog Number	Diameter (mm)	Working Length (in.)	Length (in.)
GF350R	1.5	4 1/4	7 3/4
GF351R	2.0	4 1/4	7 3/4
GF352R	2.5	4 1/4	7 3/4
GF353R	3.0	4 1/4	7 3/4
GF354R	4.0	4 1/4	7 3/4
GF355R	5.0	4 1/4	7 3/4
GF360R	1.5	5 1/8	8 1/2
GF361R	2.0	5 1/8	8 1/2
GF362R	2.5	5 1/8	8 1/2
GF363R	3.0	5 1/8	8 1/2
GF364R	4.0	5 1/8	8 1/2
GF365R	5.0	5 1/8	8 1/2
GF370R	1.5	6 1/4	9 5/8
GF371R	2.0	6 1/4	9 5/8
GF372R	2.5	6 1/4	9 5/8
GF373R	3.0	6 1/4	9 5/8
GF374R	4.0	6 1/4	9 5/8
GF375R	5.0	6 1/4	9 5/8
GF380R	1.5	7 7/8	11
GF381R	2.0	7 7/8	11
GF382R	2.5	7 7/8	11
GF383R	3.0	7 7/8	11
GF384R	4.0	7 7/8	11
GF385R	5.0	7 7/8	11



FRAZIER Suction Tube

Catalog Number	Tip Size (FR)	Description	Working Length (in.)
MD124R	7		4 1/4
MD124300	7	SUCTION STYLET W/ OLIVE TIP FOR MD124R	
MD125R	7		4 1/4
MD125300	8	SUCTION STYLET W/ OLIVE TIP FOR MD125R	
MA501R	9		4 1/4
MA501300		SUCTION STYLET W/ OLIVE TIP FOR MA501R	
MD127R	10		4 1/4
MD127300	10	SUCTION STYLET W/ OLIVE TIP FOR MD127R	
MA499R	11		4 1/4
MA499300	11	SUCTION STYLET W/ OLIVE TIP FOR MA499R	
MD129R	12		4 1/4
MD129300	12	SUCTION STYLET W/ OLIVE TIP FOR MD129R	





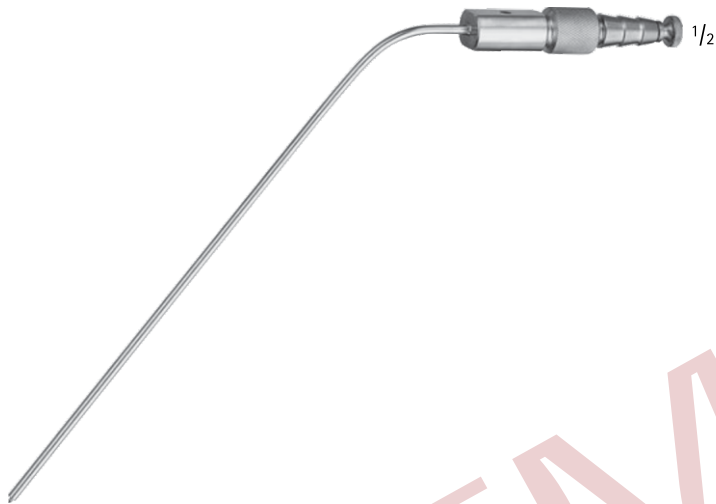
MF479R-MF489R, MF499R-MF508R



MF489R-MF498R, MF509R-MF518R

FRAZIER Slotted Suction Tube

Catalog Number	Tip Size (FR)	Shaft	Length (in.)
MF479R	3	STR	5 1/2
MF480R	4	STR	5 1/2
MF481R	5	STR	5 1/2
MF482R	6	STR	5 1/2
MF483R	7	STR	5 1/2
MF484R	8	STR	5 1/2
MF485R	9	STR	5 1/2
MF486R	10	STR	5 1/2
MF487R	11	STR	5 1/2
MF488R	12	STR	5 1/2
MF499R	3	STR	7
MF500R	4	STR	7
MF501R	5	STR	7
MF502R	6	STR	7
MF503R	7	STR	7
MF504R	8	STR	7
MF505R	9	STR	7
MF506R	10	STR	7
MF507R	11	STR	7
MF508R	12	STR	7
MF489R	3	ANG	5 1/2
MF490R	4	ANG	5 1/2
MF491R	5	ANG	5 1/2
MF492R	6	ANG	5 1/2
MF493R	7	ANG	5 1/2
MF494R	8	ANG	5 1/2
MF495R	9	ANG	5 1/2
MF496R	10	ANG	5 1/2
MF497R	11	ANG	5 1/2
MF498R	12	ANG	5 1/2
MF509R	3	ANG	7
MF510R	4	ANG	7
MF511R	5	ANG	7
MF512R	6	ANG	7
MF513R	7	ANG	7
MF514R	8	ANG	7
MF515R	9	ANG	7
MF516R	10	ANG	7
MF517R	11	ANG	7
MF518R	12	ANG	7



MD091-MD099

FRAZIER Long-Suction Tube

Catalog Number	Tip Size (FR)	Length (in.)
MD091	3	6 1/2
MD092	5	6 1/2
MD093	6	6 1/2
MD094	7	6 1/2
MD095	8	6 1/2
MD096	9	6 1/2
MD097	10	6 1/2
MD098	11	6 1/2
MD099	12	6 1/2



GF923R-GF925R

FRAZIER Suction Tube W/ Luer Hub

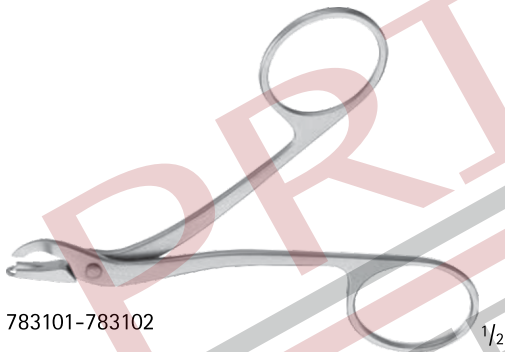
Catalog Number	Tip Size (FR)	Length (in.)
GF923R	9	7
GF925R	15	7



MG001R-MG004R

Surgical Spoon

Catalog Number	Size	Blade Size (mm)	Length (in.)
MG003R	SMALL	25	4 1/4
MG002R	MEDIUM	30	5 1/4
MG004R	MEDIUM-LARGE	35	6 1/4
MG001R	LARGE	40	7 1/2



783101-783102

Staple Remover

Catalog Number	Description
783102	REUSABLE
783101	SINGLE USE (BOX OF 6)



MG377R-MG378R

TAYLOR Percussion Hammer

Catalog Number	Size	Length (in.)
MG377R	SMALL	7
MG378R	LARGE	7 3/4



US060-US062

1/2

Metal Sponge Bowl

Catalog Number	Capacity (qts.)
US061	1
US060	1 1/2
US062	1 7/8



US063-US067

1/2

Metal Cup

Catalog Number	Item	Capacity (oz.)
US066	MEDICINE CUP	2
US063	IODINE CUP	6
US067	SOLUTION BASIN	12
US065	IODINE CUP	14
US064	GRADUATED MEASURE	32



JG504R-JG506R

Kidney Tray

Catalog Number	Length (in.)
JG504R	6 3/4
JG506R	9 3/4

STERILIZING:

CAUTION:

Please read all information contained in this insert. Incorrect handling and care as well as misuse can lead to premature wear of surgical/dental instruments. Instruments must be handled with the greatest care when being transported, cleaned, sterilized and stored. This is especially true for blades, fine points and other fragile areas. All persons using this device should have knowledge in the use and handling of surgical instruments, accessories and related equipment.

INITIAL USE OF NEW INSTRUMENTS:

Please read all information contained in this insert. Incorrect handling and care as well as misuse can lead to premature wear of surgical/dental instruments. Instruments must be handled with the greatest care when being transported, cleaned, sterilized and stored. This is especially true for blades, fine points and other fragile areas. All persons using this device should have knowledge in the use and handling of surgical instruments, accessories and related equipment.

CAREFULLY:

examine each instrument before use. Never use a damaged instrument. Every instrument must be cleaned and sterilized prior to its initial use as well as all subsequent uses. Ultrasonic cleaning is recommended. Distilled water must be used if demineralization and filtration of the water supply is not achieved prior to the final connection or outlet used to supply water for the ultrasonic cleaning unit. The chlorine in tap water is a major contributing factor for pitting and corrosion on instruments. It is important to strictly adhere to the manufacturer's instructions regarding the concentration of cleaning solution, time and frequency. After the ultrasonic cycle, rinse thoroughly and completely dry the instruments. Instruments that are in sterilization trays need to be removed and completely dried, as well as the sterilization tray itself. Not completely drying the instruments prior to autoclaving causes spotting on the instruments. Cleaning and rinsing must take place after each use for best results. Failure to clean properly may result in adherent particles or dried proteins that may resist cleaning and complicate future sterilization. Enzymatic cleaners should also be used to remove protein deposits.

AUTOCLAVE: the instruments. Again, Distilled water must be used if demineralization and filtration of the water supply is not achieved prior to the final connection or outlet used to supply water for the sterilizer. Tap water causes corrosion which will lead to rust. As with the ultrasonic, closely follow the manufacturer's instructions regarding operation and loading as well as sterilization times specifications.

STANDARD AUTOCLAVE CYCLE: Steam sterilize at 270°F (132°C) for 15 minutes. Other time and steam temperature cycles may also be used. However, user must validate any deviation from the recommended time and temperature. (Note: Contact the manufacturer of your steam autoclave to confirm appropriate temperatures and sterilization times.) Do not exceed 280°F (137°C) Hinged instruments must be cleaned, sterilized and stored in the open position. Cold sterilization is not recommended. The harsh chemical solutions used in cold sterilization can cause corrosion problems with the instruments.

OTHER FACTORS: to remember: -Do not use corrosive cleaning agents (i.e. bleach). Cleaning solutions and rinses should be at or near a neutral pH (7.0). Do not use abrasive cleaners. -Only a soft bristle brush should be used. Check and retighten any fittings that might have vibrated loose during the ultrasonic cycle. -Lubricate hinged instruments with paraffin oil after cleaning and before sterilization. -Instruments that have locking mechanisms (i.e. Needle holders, Scissors, Hemostats) must be cleaned, sterilized and stored with the locks in open position. Sterilizing in the locked position can cause the box lock or tips to fracture. -Following these instructions will greatly increase the life span and functionality of these fine hand crafted instruments.

ESTERILIZACIÓN:

INTRODUCCIÓN: Respetar los protocolos establecidos, por ejemplo las mejores prácticas para el reprocesamiento de instrumentos, es un aspecto importante de la atención médica moderna ya que reduce el riesgo de infección en los pacientes. El objetivo de este artículo es proporcionar una visión general de los seis (6) pasos recomendados para el reprocesamiento, limpieza, inspección, empaque, esterilización, almacenamiento estéril y control de calidad de los instrumentos médicos.

PASO 1: LIMPIEZA:

El método más común para la limpieza de instrumentos es la limpieza manual. Una de las grandes ventajas de la limpieza manual es su flexibilidad, ya que permite la limpieza de cualquier tipo de instrumento. Las desventajas son que el nivel de limpieza de los instrumentos puede variar entre los empleados y estos corren el riesgo de exponerse a infecciones ya que están en contacto con instrumentos contaminados. Por estas razones, es importante que las instalaciones de servicios médicos establezcan protocolos para la limpieza de instrumentos y obliguen a sus empleados a utilizar equipos de protección personal (EPP) adecuados al trabajar con objetos contaminados.

Los procedimientos recomendados para la limpieza manual son, primero, sumergir el instrumento en agua tibia o en una solución detergente durante por lo menos 10 minutos. Este paso suaviza y afloja la mayor parte de la suciedad que pueda haberse secado en el instrumento entre su uso y el comienzo de la limpieza. La duración de la inmersión dependerá de la suciedad del instrumento y del tiempo en que se haya dejado secar dicha suciedad.

El primer paso y el más importante en el reprocesamiento de instrumentos es la limpieza, ya que, tal como han mostrado diversos estudios [Alfa, 1998], los instrumentos sucios no pueden esterilizarse de manera eficaz. Esto se debe a que la suciedad protege a las bacterias y virus de la acción del agente de esterilización. De esta manera, las bacterias y virus pueden sobrevivir al proceso de esterilización infectar al siguiente paciente.

PASO 2: INSPECCIÓN:

Es necesario inspeccionar que cada instrumento esté limpio y funcional. Los instrumentos dañados deben remplazarse y aquellos que presenten suciedad visible o residuos deben volver a limpiarse. Nunca limpie un instrumento sucio en una zona limpia a menos que esté utilizando el EPP adecuado. La acción de limpiar puede provocar la contaminación cruzada de otros instrumentos y superficies de trabajo. Nota especial: La pérdida de flexibilidad de los instrumentos articulados puede ser signo de una limpieza inadecuada.

PASO 3: EMPAQUETADO:

El empaquetado estéril, es decir en bolsas, envoltorios o contenedores rígidos, sirve para mantener la esterilidad de los instrumentos procesados y permite una apertura aséptica en el punto de uso. El empaquetado debe realizarse en un área limpia, utilizando materiales aprobados, bolsas, envoltorios o contenedores rígidos.

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PASO 4: ESTERILIZACIÓN

La esterilización al vapor es el procedimiento de esterilización de instrumentos, bandejas y cassetes más utilizado. Según los CDC, el vapor bajo presión es el procedimiento ideal, ya que se considera seguro, rápido y rentable para los centros de atención médica. Los esterilizadores a vapor están disponibles en diferentes tamaños y sus ciclos de esterilización pueden variar dependiendo del fabricante. El ciclo específico de cada esterilizador puede encontrarse en el manual. Los siguientes son ejemplos de los parámetros estándar de los ciclos (AAMI ST79, AORN) para instrumentos empacados.

Gravedad – exposición a 132°C/270°F durante 15 minutos y 15–30 minutos de secado

Eliminación dinámica de aire – exposición a 132°C/270°F durante 4 minutos y 20–30 minutos de secado

Gravedad – exposición a 121°C/250°F durante 30 minutos y 15–30 minutos de secado

Gravedad – exposición a 135°C/275°F durante 10 minutos y 30 minutos de secado

Eliminación dinámica de aire – exposición a 132°C/275°F durante 3 minutos y 16 minutos de secado

Otros procedimientos de esterilización disponibles en el mercado incluyen: vapor químico, calor seco, óxido de etileno, vapor de peróxido de hidrógeno y ozono. Si bien cada uno de estos procedimientos presenta tanto ventajas como desventajas, la elección del proceso de esterilización de cada organización de atención de la salud dependerá del fabricante de sus instrumentos y de sus instrucciones de uso. El procedimiento de esterilización elegido debe ofrecer una esterilización eficaz y ser seguro para el paciente.

P A S O 5 : A L M A C E N A M I E N T O E S T É R I L :

Los paquetes estériles deben almacenarse de tal forma que se reduzca el riesgo de contaminación, es decir en un lugar limpio, seco y con temperatura y tránsito controlados. La esterilidad del instrumental depende de ocurrencias específicas y el material se considera estéril a menos que los empaques se hayan abierto o dañado. Por ello, es importante que los paquetes esterilizados se manipulen con cuidado evitando arrastrarlos, aplastarlos, doblarlos, comprimirlos o perforarlos. Durante el transporte deben protegerse de los contaminantes ambientales. Antes de usarse, cada paquete esterilizado debe inspeccionarse para verificar su integridad. Si se sospecha que el paquete no responde a las normas de calidad, no debe utilizarse y debe reprocesarse. Los paquetes estériles no deben abrirse antes de llegar al punto de uso.

PASO 6: CONTROL DE CALIDAD:

La esterilidad de los instrumentos procesados debe controlarse de manera sistemática.



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