

Integra®

Brain Retraction Systems

A broad range of retractor solutions limits uncertainty for neurosurgical procedures



INTEGRA®
LIMIT UNCERTAINTY

Brain Retractor Options: Systems and Modular Components

Budde® Halo System



Products Shown:

A1040 – Budde Halo Retractor System
A1108 – MAYFIELD® Triad Skull Clamp
A2008 – MAYFIELD Tri-Star Swivel Adaptor
A1072 – MAYFIELD Skull Pins, Disposable

Budde Halo Radiolucent System



Products Shown:

A1096 – Budde Halo Radiolucent Retractor
A2114 – MAYFIELD Infinity XR2 Skull Clamp
A2020 – MAYFIELD Skull Pins, Radiolucent
A1072 – MAYFIELD Skull Pins, Disposable

Brain Retractor Options

- Systems
 - Budde Halo Systems – A1040, A1096
 - Integra Brain Retractor System (BRS) – A2102
- Modular Components for Minimal Retraction Systems (MRS)
 - MRS/BRS – Components of A2012

Integra® Brain Retractor System



Products Shown:

A2012 – Integra Brain Retractor System
A1114 – MAYFIELD Infinity Skull Clamp
A1072 – MAYFIELD Skull Pins, Disposable

Modular Components for Minimal Retraction Systems



Products Shown:

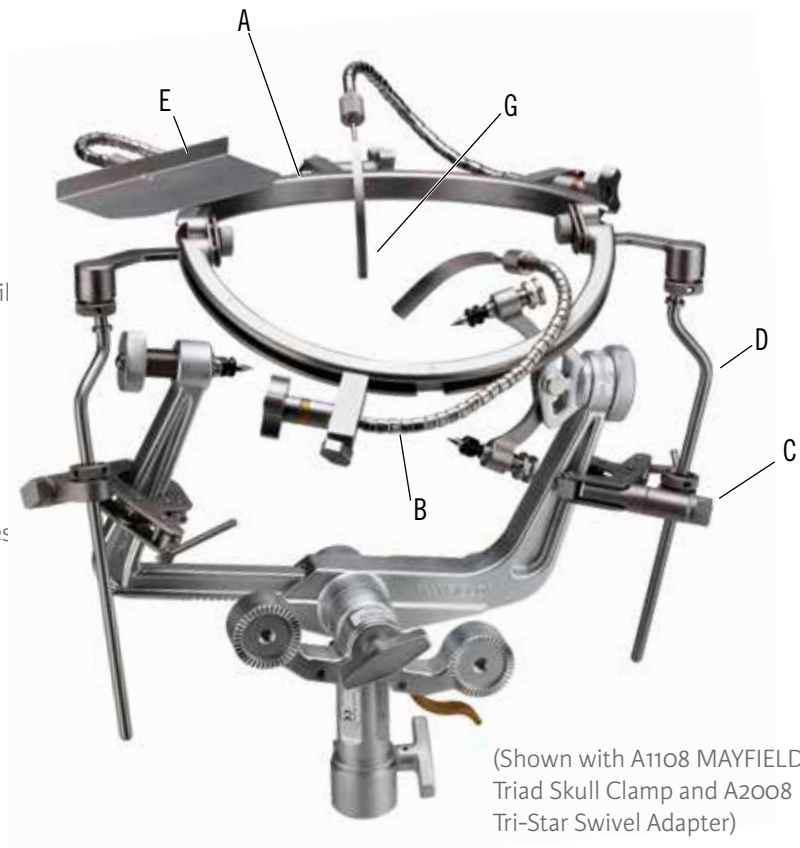
4171A000 – Primary Bar and clamp assembly (1 ea.)
417A1001 – Floating Secondary Bar assembly (2 ea.)
417A1002 – Retractor Arms (1 ea.)
417A1005-417A1009 – Retractor Blades (1 ea.)

A1114 – MAYFIELD Infinity Skull Clamp
A1072 – MAYFIELD Skull Pins, Disposable

Budde Halo Brain Retractor System

Budde Halo Retractor System (A1040)

- Built-in handrest offers convenience and optimal stability
- Low profile design allows for ease of instrument passage within the surgical field
- Compatible with MAYFIELD Skull Clamps; can be brought into the surgical field at any stage during the procedure
- Double-hinged design allows the halo ring to be easily angled for multiple approaches to the surgical field
- Ring can be quickly changed to a half ring set-up for improved access
- Optimal for posterior fossa procedures
- Folded ring allows two levels of retractor arm placement, providing improved retraction capabilities



(Shown with A1108 MAYFIELD Triad Skull Clamp and A2008 Tri-Star Swivel Adapter)

Double-hinged ContinuTrac™ Halo Ring provides 360-degrees of uninterrupted retractor arm placement for ultimate flexibility



Designed by Richard B. Budde, MD
in cooperation with the MAYFIELD
Clinic and Spine Institute

Budde Halo Retractor System (A1040)

Component	Reference	Quantity
(A) ContinuTrac Halo Ring	438B1178	1 each
(B) 9" (229mm) Halo Flex Arm	438A1011	3 each
(C) Halo Support Bracket	438B1010	2 each
(D) Halo Support Rod (5/16")	438A1188	2 each
(E) Halo Pattie Tray	438A1037	1 each
(F) Halo Mini Vise (not shown)	438A1140	1 each
(G) Budde Curved Retractor Blades – SS (Stainless Steel)	438A1077 A,B,C,D,X*	2 each
(H) TEW Micro Retractor Blades – SS (not shown)	438A1082 A,B,C*	1 each
(I) TEW Micro Retractor Blades – SS (not shown)	438A1083 A,B,C*	1 each
(J) Halo Adjustment Wrench (not shown)	438A1024	2 each
(K) Halo Poly Vac Sterilization Case (not shown)	438A1096	1 each
(L) SAMY Vascular Retractors, short – SS (not shown)	MFL438A1200A*	Set of 3
(M) SAMY Vascular Retractors, long – SS (not shown)	MFL438A1200B*	Set of 3

Optional Accessories

Component	Reference
Budde Halo Side Rail Support	A1067
TEW Hooked Micro Retractor Blades (2mm) – SS	438A1151A,B,C,D*
TEW Hooked Micro Retractor Blades (4mm) – SS	438A1152 A,B,C,D*
Budde Tapered Retractor Blades – SS	438A1154B,C,D,E*
TEW Serrated Micro Retractor Blades (2mm) – SS	438A1155 A,B,C,D*
TEW Serrated Micro Retractor Blades (4mm) – SS	438A1157 A,B,C,D*
12" (300mm) Halo Flex Arm	438A1012
6" (150mm) Halo Flex Arm	438A1160

*See back cover for size information



Hand rest for convenience and stability



Double-hinged halo ring for multiple approaches



Low-profile click-in blades eliminate obstruction in surgical site

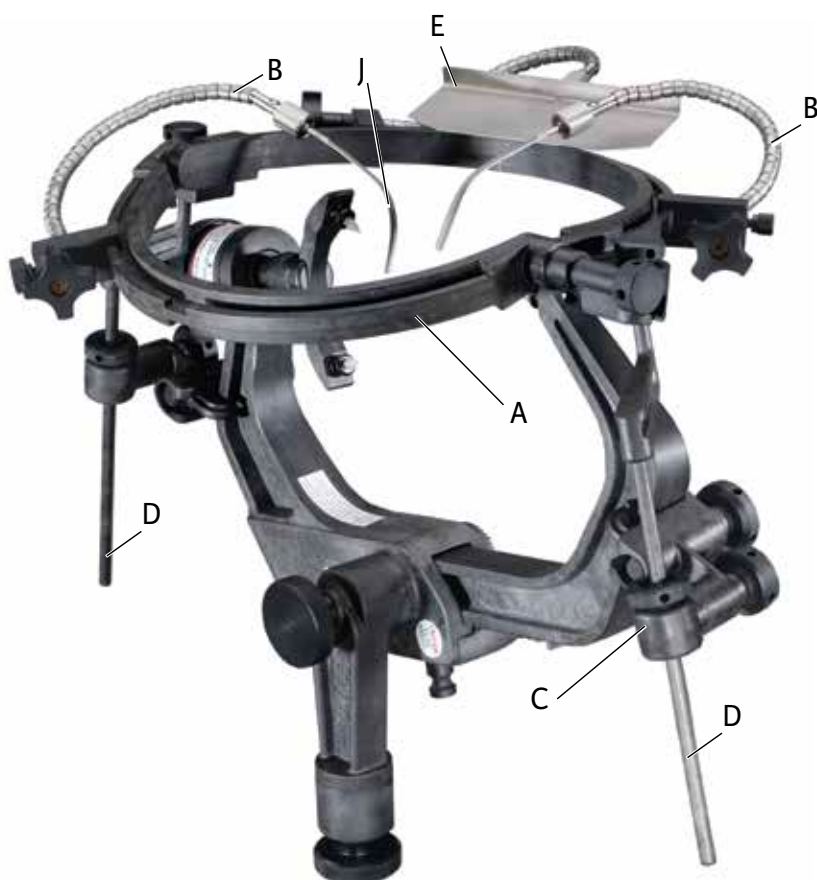


Side rail supports – A1067

Budde Halo Radiolucent Retractor System

Budde Halo Radiolucent Retractor System (A1096)

- Radiolucent components allow the system to remain in place during intraoperative imaging for optimal efficiency
- Completely compatible with the MAYFIELD Radiolucent Headrest System (A2004 and XR2 Radiolucent System), the Budde Halo Radiolucent Retractor System is designed to be used during intracranial procedures where retraction of delicate brain tissue is required
- Low profile design allows ease of instrument passage within the surgical field
- Blades can be micro-manipulated without flex arm extension readjustment



Halo Ring provides nearly 360-degrees of flex arm placement



Built-in hand rest offers convenience and maximum stability



Half ring set-up is easily achieved to provide improved access

Budde Halo Radiolucent Retractor System Components (A1096)

Component	Reference	Quantity
(A) Halo Ring	443A1000	1 each
(B) 9" (229mm) Halo Flex Arm – TI (titanium)	443A1070A	3 each
(C) Rod Support Clamp Assembly	443A1060	2 each
(D) Radiolucent Support Rod	443B1052	2 each
(E) Halo Pattie Tray – SS (stainless steel)	438A1037	1 each
(F) Halo Mini Vise – SS (not shown)	438A1140	1 each
(G) Halo Adjustment Wrench (not shown)	443A1004	1 each
(H) Halo Poly Vac Sterilization Case (not shown)	443A1005	1 each
(I) SAMY Vascular Retractors (not shown)	MFL438A1200A*	Set of 3
(J) BUDDE Curved Retractor Blades – SS	438A1077A,B,C,D,X*	2 each
(K) SAMY Vascular Retractors (not shown)	MFL438A1200B*	Set of 3
(L) TEW Micro Retractor Blades – SS (not shown)	438A1082A,B,C*	1 each
(M) TEW Micro Retractor Blades – SS (not shown)	438A1083A,B,C*	1 each

Optional Accessories

Component	Reference
Budde Halo Side Rail Adaptor	A1067
TEW Hooked Micro Retractor Blades (2mm) – SS	438A1151A,B,C,D*
TEW Hooked Micro Retractor Blades (4mm) – SS	438A1152A,B,C,D*
Budde Tapered Retractor Blades – SS	438A1154B,C,D,E*
TEW Serrated Micro Retractor Blades (2mm) – SS	438A1155A,B,C,D*
TEW Serrated Micro Retractor Blades (4mm) – SS	438A1157A,B,C,D*
12" (300mm) Halo Flex Arm – TI	443A1070B
6" (150mm) Halo Flex Arm – TI	443A1070C

*See back cover for size information

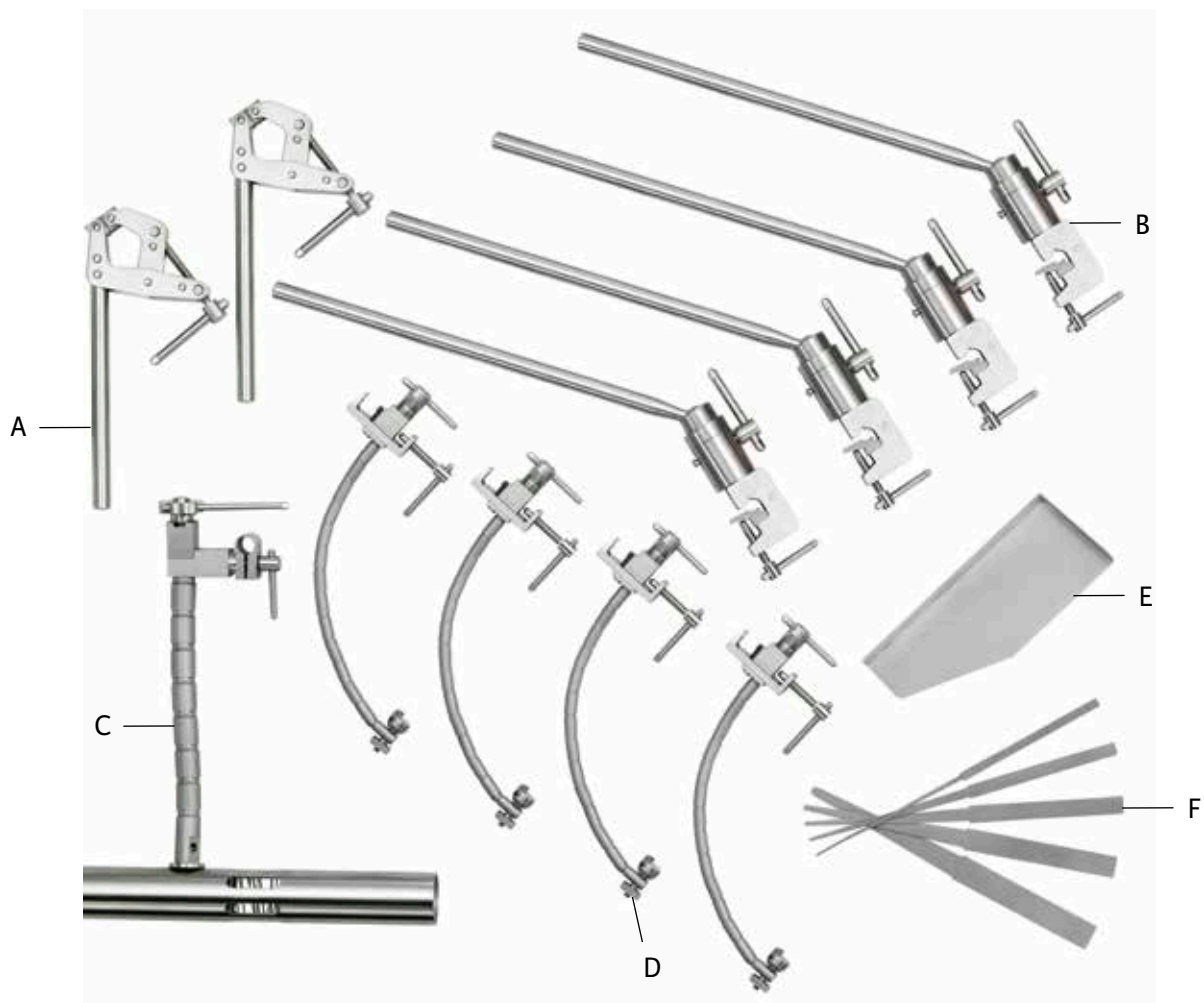
Integra Brain Retractor System

Integra Brain Retractor System (A2012)

- Adjustable hand rest attached to either Primary Bars or Floating Secondary Bars
- Modular, self-retaining components allow for a variety of configurations to surround the surgical site for retraction
- Allows for a low profile set-up for ease of instrument passage within the surgical field
- Compatible with MAYFIELD Skull Clamps; can be brought into the surgical field at any stage during the procedure



Integra Brain Retractor System (BRS) Components (A2012)



- A Primary Bars (417A1000, 2 each) attach to the MAYFIELD Skull Clamp to form the basis of the retractor system. (Can also be attached to the OR table side rails.)
- B Floating Secondary Bars (417A1001, 4 each) attach to Primary Bars or to each other.
- C Hand Rest (417A1003, 1 each) helps to reduce or minimize hand fatigue. Also contains a built-in instrument holder.

- D Retractor Arms (417A1002, 4 each) attach to either the Primary Bars or Secondary Bars for optimal placement of retraction blades or other instruments.
- E Pattie Tray (417A1004, 1 each) allows for easy, convenient access to surgical patties.
- F Versatile, tapered retractor blades (5 sizes included: 417A1005, 6, 7, 8, 9*).

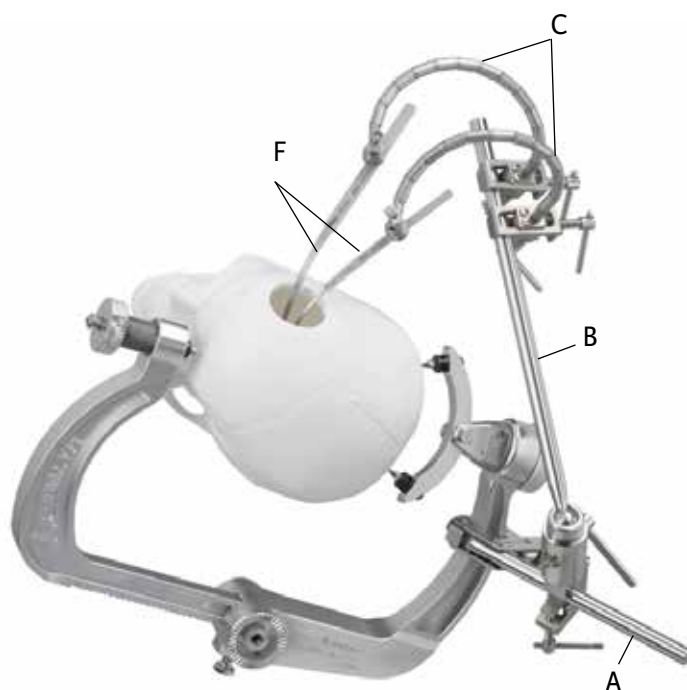
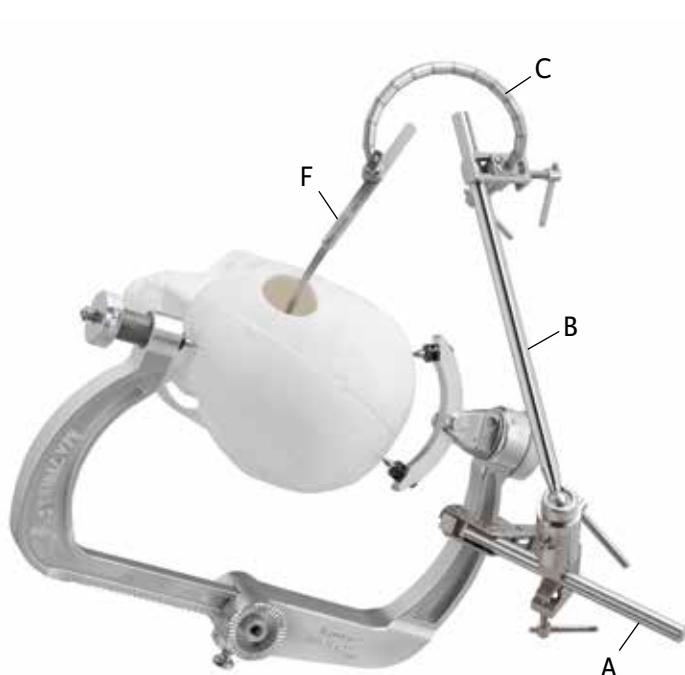
Not shown: Sterilization Case (417A1010)

*See back cover for size information

Modular Components for Minimal Retraction System (MRS)

Modular Components

- Familiar modular components of Integra Brain Retractor System when fewer retractors are required
- Low profile to maximize exposure
- Easy and quick attachment to MAYFIELD Skull Clamps



One Retractor Arm with one Retractor Blade

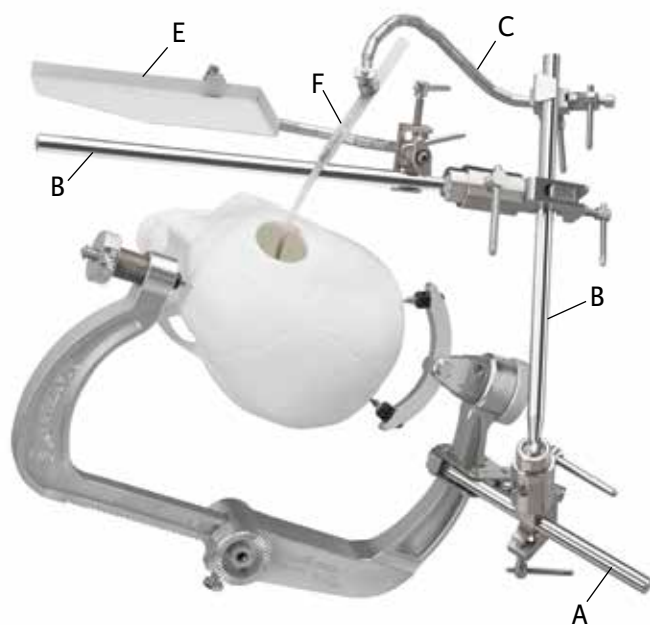
- A Primary Bar with Clamp Assembly (417A1000, 1 each)
- B Floating Secondary Bar (417A1001, 1 each)
- C Retractor Arm (417A1002, 1 each)
- F Retractor Blades – (417A1005, 6, 7, 8, 9*)

Two Retractors Arms with two Retractor Blades:

- A Primary Bar with Clamp Assembly (417A1000, 1 each)
- B Floating Secondary Bar (417A1001, 1 each)
- C Retractor Arm (417A1002, 2 each)
- F Retractor Blades (417A1005, 6, 7, 8, 9*)

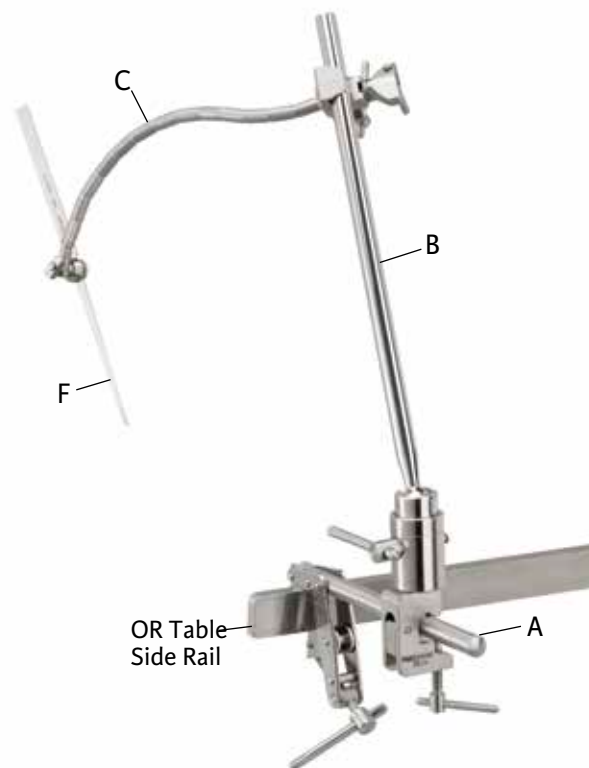
*See back cover for size information

Modular Components for Minimal Retraction System (MRS)



Two Retractor Arms, one Retractor Blade and one Pattie Tray:

- A Primary Bar with Clamp Assembly (417A1000, 1 each)
- B Floating Secondary Bar (417A1001, 2 each)
- C Retractor Arms (417A1002, 2 each)
- E Pattie Tray (417A1004, 1 each)
- F Retractor Blade (417A1005,6, 7, 8, 9*)



Side Rail Attachment one Retractor Arm and one Retractor Blade:

- A Primary Bar with Clamp Assembly (417A1000, 1 each)
- B Floating Secondary Bar (417A1001, 1 each)
- C Retractor Arms (417A1002, 1 each)
- F Retractor Blade (417A1005,6, 7, 8, 9*)

Retractor Blade Dimensions

Reference	Description	Size (Width x Length unless noted differently)	Reference	Description	Size (Width x Length unless noted differently)
417A1005	Tapered (BRS)	1/4" (6.4mm) to 3/4" (19.1mm) taper x 9" (22.9cm)	438A1151A	TEW Micro, Hooked	2mm X 4.5" (11.4cm)
417A1006	Tapered (BRS)	5/32" (3.9mm) to 5/8" (15.9mm) taper x 9" (22.9cm)	438A1151B	TEW Micro, Hooked	2mm X 5.5" (14.0cm)
417A1007	Tapered (BRS)	1/8" (3.2mm) to 1/2" (12.7mm) taper x 9" (22.9cm)	438A1151C	TEW Micro, Hooked	2mm X 6.5" (16.5cm)
417A1008	Tapered (BRS)	3/32" (2.4mm) to 3/8" (9.5mm) taper x 9" (22.9cm)	438A1151D	TEW Micro, Hooked	2mm X 7.5" (19.1cm)
417A1009	Tapered (BRS)	1/16" (1.6mm) to 1/4" (6.4mm) taper x 9" (22.9cm)	438A1152A*	TEW Micro, Hooked	4mm X 4.5" (11.4cm)
			438A1152B*	TEW Micro, Hooked	4mm X 5.5" (14.0cm)
			438A1152C*	TEW Micro, Hooked	4mm X 6.5" (16.5cm)
			438A1152D*	TEW Micro, Hooked	4mm X 7.5" (19.1cm)
438A1077A	Budde Curved	1/4" (6.3mm) X 4" (10.2cm)	438A1154B*	Budde Tapered	3/8" (9.5mm) - Min. width x 4" (10.2cm)
438A1077B	Budde Curved	3/8" (9.5mm) X 4" (10.2cm)	438A1154C*	Budde Tapered	5/8" (15.9mm) - Min. width x 4" (10.2cm)
438A1077C	Budde Curved	5/8" (15.9mm) X 4" (10.2cm)	438A1154D*	Budde Tapered	3/4" (19.1mm) - Min. width x 4" (10.2cm)
438A1077D	Budde Curved	3/4" (19.1mm) X 4" (10.2cm)	438A1154E*	Budde Tapered	1" (25.4mm) - Min. width x 4" (10.2cm)
438A1077E*	Budde Curved	1" (25.4mm) X 4" (10.2cm)			
438A1077X	Budde Curved	1/2" (12.7mm) X 4" (10.2cm)			
438A1082A	TEW Micro	2mm X 4.5" (11.4cm)	438A1155A*	TEW Micro, Serrated	2mm X 4.5" (11.4cm)
438A1082B	TEW Micro	2mm X 5.5" (14.0cm)	438A1155B*	TEW Micro, Serrated	2mm X 5.5" (14.0cm)
438A1082C	TEW Micro	2mm X 6.5" (16.5cm)	438A1155C*	TEW Micro, Serrated	2mm X 6.5" (16.5cm)
438A1082D*	TEW Micro	2mm X 7.5" (19.1cm)	438A1155D*	TEW Micro, Serrated	2mm X 7.5" (19.1cm)
438A1083A	TEW Micro	4mm X 4.5" (11.4cm)	438A1157A*	TEW Micro, Serrated	4mm X 4.5" (11.4cm)
438A1083B	TEW Micro	4mm X 5.5" (14.0cm)	438A1157B*	TEW Micro, Serrated	4mm X 5.5" (14.0cm)
438A1083C	TEW Micro	4mm X 6.5" (16.5cm)	438A1157C*	TEW Micro, Serrated	4mm X 6.5" (16.5cm)
438A1083D*	TEW Micro	4mm X 7.5" (19.1cm)	438A1157D*	TEW Micro, Serrated	4mm X 7.5" (19.1cm)
			MFL438A1200A	SAMY Vascular, Short	3.6" (9.14 cm) Length; Diameters - 3, 5 & 7mm (set of 3)
			MFL438A1200B	SAMY Vascular, Long	4.6" (11.7cm) Length; Diameters - 3, 5 & 7mm (set of 3)

* Retractor not included in Budde Retractor System (A1040, A1096)

For more information or to place an order, please contact:

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