

POSITIONED
FOR SUCCESS

A 3059

MAYFIELD®
A3059
MADE IN USA



Introducing the Enhanced
MAYFIELD® 2 System

The Legacy Moves Forward

MAYFIELD® 2 System was developed for precision & ease of use, to help you achieve the head position that you need.

MAYFIELD® 2 System withstands Cleaning & Disinfection Processes**



- PEEK skull clamp and coated stainless steel base unit withstand:

STANDARD PROCEDURE:

- + Resistant to a wide range of PH detergents (pH from 3 to 11) in a manual cleaning cycle.
- + Autoclavable according to european guidelines
Temperature: (132°C to 137°C), Time (3 to 18min).

CRITICAL PROCEDURE:

- + Resistant to the high infectious disease disinfection process up to 15 times without loss of performance (World Health Organization protocol)***

**For Base Unit / Skull Clamp and Swivel Adaptor.
***Please refer to the Mayfield 2 instructions for use.

Accessories



- Tri-Star Swivel Adaptor (A3008)

- + Available for image-guided surgery procedures when ancillary components are required.



- Compatible With Current MAYFIELD Skull Pins

- + MAYFIELD 2 Skull Clamp is designed for use with MAYFIELD Skull Pins.

MAYFIELD® 2 System provides **Ease of use***

■ Lightweight Design

- + PEEK thermoplastic material reduces the skull clamp weight and provides ease of handling, positioning and removing.

■ Closed-Architecture Locking Knob

- + Mechanism for precision in the rocker arm positioning.

■ Dual-Button Ratchet Release

- + Only one hand needed to disengage and smoothly slide the ratchet arm.
- + Ratchet arm rail provides smooth ratcheting for better control of the clamp.



■ Standard Swivel Adaptor

- + Included with the base unit to provide a complete set.

■ Transitional Member

- + Permanently attached to the locking handle.

■ NO TOOL required

- + Quick and easy adjustment of the support rods to the operating room table.

■ NO PRESSION ADJUSTMENT required

- + Locking handle adjustment preset.

* In comparison with our current MAYFIELD Cranial Stabilization System.

MAYFIELD[®] 2 System provides Precision*

■ Design Based On Modified MAYFIELD[®] Skull Clamp (A1059)

■ Precision Indexing Mechanism

- + 15 additional rocker arms positions with 33% more angles improve the locking position and allow maximum access to the operative site.

■ Longer Skull Clamp Uprights

- + provide better interface with the patient's facial anatomy.

■ Increased Teeth On The Skull Clamp Ratchet Arm

- + 51% more ratcheting teeth for more precise and smaller increments when pushing together the two halves.
- + The force required to push together the two halves is decreased by 45%.**

■ Self-Locking Lever

- + Added locking mechanism when the system is locked in place.

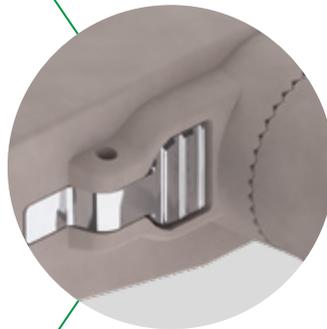
* In comparison with our current MAYFIELD[®] Cranial Stabilization System.
**Please refer to the Mayfield 2 instructions for use.

INTRODUCING
MAYFIELD[®] 2



Cleaning
& Disinfection
Processes

Ease of use*



Precision*

* In comparison with our current MAYFIELD® Cranial Stabilization System

Ordering Information



MAYFIELD[®] 2 System

Reference	Description
A3101	MAYFIELD 2 Standard Base Unit (includes A3018 Swivel Adaptor)
A3059	MAYFIELD 2 Skull Clamp
A3008	MAYFIELD 2 TriStar Swivel Adaptor
A3018	MAYFIELD 2 Standard Swivel Adaptor

MAYFIELD 2 Base Unit (A3101)

Indications: The MAYFIELD 2 Base Unit (A3101) is intended to be used to support a patient during diagnostic examination and/or surgical procedures where a rigid support between surgical table and headrest, or skull clamp is necessary, positional freedom is required.

Contraindications: Do not use for other indications than the ones specified in the Instruction Manual.

MAYFIELD 2 Skull Clamp (A3059)

Indications: The MAYFIELD 2 Skull Clamp (A3059) is placed on the patient's skull to hold their head and neck securely in a particular position when rigid fixation is desired. The Skull Clamp is indicated for use in open and percutaneous craniotomies as well as spinal surgery when rigid fixation is necessary. The MAYFIELD 2 Skull Clamp (A3059) is NOT Radiolucent.

Contraindications: Do not use for other indications than the ones specified in the Instruction Manual.

MAYFIELD Reusable and Disposable Skull Pins

Indications: The MAYFIELD Reusable & Disposable Skull Pins are intended to be used with a MAYFIELD skull clamp that is placed on the patient's skull to hold their head and neck in a particular position during surgical procedures where rigid skeletal fixation is desired.

Contraindications: Do not use for other indications than the ones specified in the Instruction Manual.

Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region.

- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- Warning: Applicable laws restrict these products to sale by or on the order of a physician.
- Consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and instructions for use.
- Do not use the MAYFIELD 2 System and MAYFIELD Reusable and Disposable Skull Pins for other indications than those provided.

Products mentioned in this document are CE class I, IIa devices. Please contact Integra customer service should you need any additional information on devices classification. All the medical devices mentioned on this document are CE marked according to European council directive 93/42/EEC on medical devices and its relatives, unless specifically identified as "NOT CE MARKED".

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MAYFIELD®

Cranial Stabilization & Fixation Systems

Limit uncertainty in meeting everyday demands of the neurosurgical OR with trusted performance in cranial stabilization and fixation



INTEGRA®
LIMIT UNCERTAINTY

MAYFIELD® Cranial Stabilization & Fixation – Meeting everyday demands

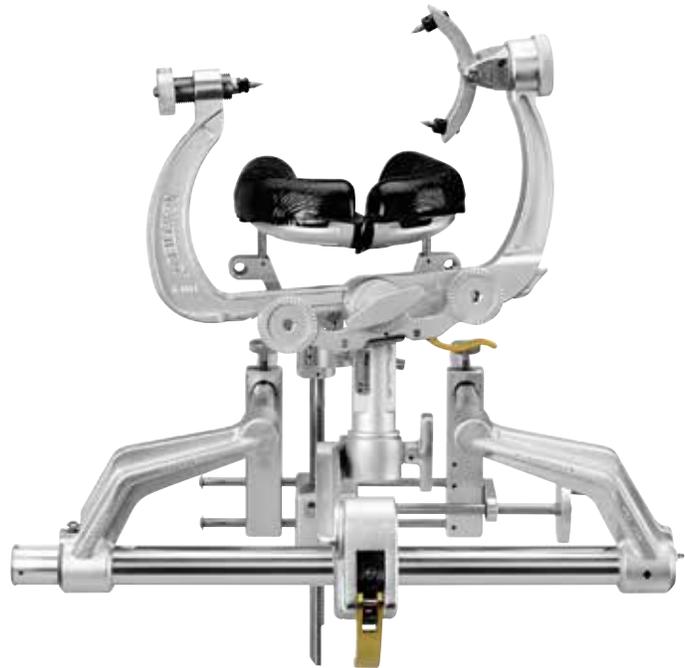
Cranial Fixation



Products Shown:

A1059 – MAYFIELD Modified Skull Clamp
A1018 – MAYFIELD Swivel Adaptor
A2101 – MAYFIELD Ultra Base Unit

Cranial Fixation and Stabilization



Products Shown:

A1114 – MAYFIELD Infinity Skull Clamp
A1112 – MAYFIELD Infinity Support System - Adult Horseshoe
A2008 – MAYFIELD Tri-Star Swivel Adaptor
A2101 – MAYFIELD Ultra Base Unit

Create Your Cranial Stabilization or Cranial Fixation System:

- Step 1 Select OR Table attachment (if required for specific table or patient position)
- Step 2 Select a Base Unit
- Step 3 Select a Swivel Adaptor
- Step 4 Choose Fixation (Skull Clamp) or Stabilization (Horseshoe Headrest)
- Step 4a Select Skull Pin (if necessary)
- Step 5 Add accessories (if necessary)

Cranial Stabilization



Products Shown:

- A1012 – MAYFIELD Horseshoe Headrest
- A1073 – Papadopoulos Posterior Cervical Support
- A1064 – MAYFIELD Ball & Socket Swivel Adaptor
- A2101 – MAYFIELD Ultra Base Unit

Cranial Fixation in Seated Position



Products Shown:

- A2000 – MAYFIELD 2000 Skull Clamp
- A1018 – MAYFIELD Swivel Adaptor
- A2101 – MAYFIELD Ultra Base Unit
- A1015 – MAYFIELD Crossbar Adaptor
- A1060 – MAYFIELD Universal Side Rail Fitting (2 ea)

STEP 1: Select OR Table attachment (if required for specific table or patient position)

When OR table receptacle holes are absent or inappropriately sized, the MAYFIELD NeuroGen Adaptor can be used

MAYFIELD NeuroGen Adaptor (A1113)



- Easily attaches to side rails of OR tables that have widths ranging from 21.375" to 24.5"
- Provides optional lateral adjustment with multiple mounting holes for base unit placement

The Spine Table Adaptor connects MAYFIELD Skull Clamps and Horseshoe Headrests to specialty spine tables including the Jackson Spine Table

MAYFIELD Spine Table Adaptor (A2600M)



- Easy attachment and reliable support
- Double-cam locking handle ensures quick and secure fixation
- Connects to standard rail brackets of spine table
- Also available with radiolucent components for intra-operative imaging (A2600R)

For seated position procedures

MAYFIELD Crossbar Adaptor (A1015)



- Easily mounts to OR table side rails to adapt the MAYFIELD Headrest for posterior fossa craniotomy procedures or posterior cervical laminectomies
- Allows for unobstructed viewing to the posterior cervical spine and occipital areas
- Requires use of 2 each A1060 Side Rail Fittings

Universal Side Rail Fitting (A1060)



- For attaching the MAYFIELD Crossbar Adaptor (A1015) and other products to the OR table
- Two each required for set-up with A1015

Both of the products featured above are compatible with most currently available OR tables

STEP 2: Select a Base Unit

For increased flexibility and improved degrees of freedom

MAYFIELD Ultra 360 Patient Positioning System (A2009)



- Allows for reverse positioning of the unite to the OR table providing added reach for surgical positions where additional height is needed.
- Independent and self-locking handles provide more fluid and flexible movement allowing connection to the desired skull clamp or headrest position
- Two double-cam action locking handles provide easy opening and closing for secure, quick fixation
- More flexible movement with added rotation for degrees of freedom
- Patented



- The Ultra 360 system includes the Standard and Tri-Star Swivel Adaptors

For everyday use in the OR, with increased strength — identified by the gold handle

MAYFIELD Ultra Base Unit (A2101)



- Gold-handled MAYFIELD Ultra Base Unit provides increased weight and force bearing capacity (33% more than earlier models) for improved patient safety.
- Supports weight of important added components to system, such as Image-Guided Surgery accessories
- Extended base tube (15 1/4") provides increased lateral positioning capability
- Adjustable width of end brackets (6 3/4" to 8 1/4") allows adapting to most OR tables

STEP 3: Select a Swivel Adaptor for the Ultra Base Unit*

*The Ultra 360 Base Unit includes Standard and Tri-Star Swivel Adaptors, so no selection is required for this Base Unit

Everyday stability and flexibility

MAYFIELD Swivel Adaptor (A1018)



- Adapts headrests and skull clamps to MAYFIELD Base Unit (A2101)

To minimize movement of skull clamp components

MAYFIELD Modified Swivel Adaptor (A1115)



- ➔ Spring-loaded pin contacts ratchet arm of skull clamp

For flexibility in attachment of OR accessories

MAYFIELD Tri-Star Swivel Adaptor (A2008)



- Adapts headrests and skull clamps the MAYFIELD Ultra Base Unit (A2101)
- Two additional starbursts allow attachment of ancillary components such as Image-Guided Surgery accessories
- Starburst bar rotates independent of skull clamp and can be removed if necessary
- Patented

To minimize movement of skull clamp components

MAYFIELD Modified Tri-Star Swivel Adaptor (A1116)



- ➔ Spring-loaded pin contacts ratchet arm of skull clamp

For 360-degree rotation in Cranial Stabilization

MAYFIELD Ball & Socket Swivel Adaptor (A1064)



- Adapts headrests to MAYFIELD Base Unit (A2101)
- Unique locking pivot permits precise patient positing with 360-degree rotation and tilt in any axis
- Exclusive spring-loaded mechanism provides assured stability and secure lock

STEP 4: Choose Cranial Stabilization (Horseshoe) or Fixation (Skull Clamp)

...see next page for Cranial Fixation

MAYFIELD Adult Horseshoe Headrest (A1012)



- For adults and older children in prone or supine position
- Fluid resistant gel pads provide for comfort and reduction in the incidence of pressure necrosis
- Pulley rod attachment is included, and adjustable faceplate accommodates various head sizes
- Replacement Gel Pads available: Left-41C1444, Right-41C1445

MAYFIELD Adult Horseshoe Headrest (A1011)



- Small starburst for attachment directly to transitional starbursts
- Conversion adaptors available for larger starburst attachments —see page 10

MAYFIELD Pediatric Horseshoe Headrest (A1051)



- Cranial support for infants and young children
- Replacement Gel Pads available: Left-440C1011, Right-440C1012

MAYFIELD General Purpose Headrest (A1008)



- Cranial support in supine or semi-sitting procedures with pads that easily contour to head

Papadopoulos Posterior Cervical Spine Support (A1073)



- Rigid posterior cervical support for anterior approaches with a radiolucent support base
- Extension achieved with ratcheting mechanism

MAYFIELD Infinity Adult Horseshoe (A1112)



- For adults and older children in prone or supine position, and adjustable faceplate accommodates various head sizes

NOTE: Attaches directly to Base Unit, no Swivel Adaptor is required

Additional sizes:



MAYFIELD Infinity pediatric horse shoe (419A1030)

MAYFIELD Infinity general purpose headrest (419A1050)

STEP 4: Choose Cranial Stabilization (Horseshoe) or Fixation (Skull Clamp)

...see previous page for Cranial Stabilization

MAYFIELD Modified Skull Clamp (A1059)



- Form and function known and trusted by the neurosurgical community...considered the “gold standard” in cranial fixation
- Provides rigid 3-point skeletal fixation for craniotomies, laminectomies, and most neurosurgical procedures.
 - 80-lb torque screw
 - Rotating rocker arm
 - Locking index knob
 - Ratcheting arm

MAYFIELD Triad Skull Clamp (A1108)



Visual indicators enable user to see if equal clamping force is being applied.

Easily increase or decrease the clamping force by adjusting the pin carriers with a hex wrench – conveniently mounted on the clamp.



- The MAYFIELD Triad Skull Clamp provides visual indication of clamping force and the ability to adjust the force on ALL THREE Skull Pins
 - Assurance of pin penetration, especially during difficult applications.
 - Equal impingement of pins ensures firm skull positioning and fixation.

MAYFIELD 2000 Skull Clamp (A2000)



- Greater exposure due to the streamlined, low profile, single-pin side of clamp, facilitates greater exposure to the operative side
- Unique swivel rocker arm mechanism permits greater flexibility in patient positioning
- Exclusive design allows for enhanced stability with direct pressure being applied to both pins on the rocker arm side of the clamp

MAYFIELD Infinity Skull Clamp (A1114)



- The MAYFIELD Infinity Skull Clamps System is designed to provide multifunctional options for cranial stabilization and fixation.
- Added length and curved contours of the skull clamp uprights allow the clamp to better interface with the horseshoe headrests of the system, providing a lower profile fixation with the ability to tuck in beneath the headrests.
- Available as A1114A with standard rocker arm and 80lb torque screw.

See page 1 for full system assembly.



Triad Rocker Arm

- Provides visual indication of clamping force of the two pins on the rocker arm. Clamping force can be adjusted, too, and set-up is repeatable, making training of the application of skull clamps easier.



Standard Adult Rocker Arm

- The same two-pin rocker provided with the standard MAYFIELD skull clamp.



Child's Rocker Arm

- Rocker Arm configured for smaller size patient skulls.



Single Pin Accessory

- Provides a directly opposing point of stabilization with the pin in the Torque Screw. Flexibility in positioning of pins around critical areas and the surgical site.

Two Torque Screw options assist in providing the desired amount of force for the patient and the procedure. Along with the standard MAYFIELD 80-lb Torque Screw, a reduced load 18-lb Torque Screw is provided for procedures where lower, more controlled force and less penetration of the pins is desired. (Note: The reduced load Torque Screw should always be used in conjunction with a horseshoe headrest or other form of primary patient head support.)



80-lb Torque Screw



18-lb Torque Screw

STEP 4a: Select Skull Pin for 3-Pin Fixation

Disposable Skull Pins (A1072) – Stainless Steel with Plastic Base



- Sterile packaged
- One-time use guarantees proper pin sharpness and length
- Patented “wing” design of the pin body improves the fit into varying diameters of receptacle holes of all MAYFIELD® Skull Clamps (normal wear and use may cause varying diameters)
- “Finger Grooves” are molded into the pin body for a sure grip and easy removal
- Precision-machined skull pin tips ensure accurate pin penetration
- Plastic pin covers effectively prevent cross-contamination and are designed for easy removal prior to skull clamp application to the patient

Packaging: 3 pins/pack, 12 packs/box

Disposable Skull Pins – All Stainless Steel



A1083 Adult Skull Pin (Steel)
Red O-Ring for a secure fit.



A1084 Child Skull Pin (Steel)
Red O-Ring for a secure fit.
Pinpoint reduced to control penetration when used with a child.

Packaging: 3 pins/pack, 12 packs/box

Reusable Skull Pins – All Stainless Steel



A1083 Adult Skull Pin (Steel)
Black O-Ring for a secure fit.



A1084 Child Skull Pin (Steel)
Black O-Ring for a secure fit.
Pinpoint reduced to control penetration when used with a child.

Packaging: 1 each

STEP 5: Select Accessories

MAYFIELD Horseshoe Conversion Adaptor (A1109)



- Allows an A1011 Horseshoe Headrest to attach to A1018, A1064, A2008 and A2009 Adaptors

MAYFIELD Horseshoe Conversion Adaptor w/Knobs (A1110)



- Allows an A1012 Horseshoe Headrest to attach to standard transitionals, and provides a means of obtaining chin-to-chest positioning

See Page 3 for other accessories:

- MAYFIELD Crossbar Adaptor (A1015)
- Universal Side Rail Fittings (A1060)
- NeuroGen Adaptor (A1113)

Instrument Wall Storage Unit (A1023)



- Printed instrumental silhouettes make proper storage quick and easy
- Holds all MAYFIELD Headrest components
- Measures 32" x 30" (81cmx76cm)

Ordering Information

Step 1 Select OR Table attachment (if required for specific table or patient position)	MAYFIELD NeuroGen Adaptor	A1113
	MAYFIELD Spine Table Adaptor	A2600M
	MAYFIELD Crossbar Adaptor	A1015
	MAYFIELD Universal Side Rail Fitting	A1060
Step 2 Select a Base Unit	MAYFIELD Ultra 360 Patient Positioning System	A2009
	MAYFIELD Ultra Base Unit	A2101
Step 3 Select a Swivel Adaptor	MAYFIELD Swivel Adaptor	A1018
	MAYFIELD Tri-Star Swivel Adaptor	A2008
	MAYFIELD Ball Socket Swivel Adaptor	A1064
	MAYFIELD Modified Swivel Adaptor	A1115
	MAYFIELD Modified Tri-Star Swivel Adaptor	A1116
Step 4 Choose Cranial Fixation (Skull Clamp) or Cranial Stabilization (Headrest)	Cranial Fixation	
	MAYFIELD Modified Skull Clamp	A1059
	MAYFIELD Triad™ Skull Clamp	A1108
	MAYFIELD 2000 Skull Clamp	A2000
	MAYFIELD Infinity Skull Clamp System	A1114
	MAYFIELD Infinity Skull Clamp System (adult rocker arm and 80lb torque screw)	A1114A
	Cranial Stabilization	
	MAYFIELD Adult Horseshoe Headrest	A1012
	MAYFIELD Pediatric Horseshoe Headrest	A1051
	MAYFIELD Adult Horseshoe Headrest (attaches directly to base unit transitional)	A1011
MAYFIELD General Purpose Headrest	A1008	
Papadopoulos Posterior Cervical Support	A1073	
MAYFIELD Infinity Support System	A1112	
Step 4a Select Skull Pin (if necessary) (See page 9 for packaging info)	MAYFIELD Adult Disposable (Stainless Steel and Plastic Base)	A1072
	MAYFIELD Adult Disposable (Stainless Steel)	A1083
	MAYFIELD Child Disposable (Stainless Steel)	A1084
	MAYFIELD Adult Reusable (Stainless Steel)	A1047
	MAYFIELD Child Disposable (Stainless Steel)	A1048
Step 5 Add Accessories (if necessary)	MAYFIELD Horseshoe Conversion Adaptor	A1109
	MAYFIELD Horseshoe Conversion Adaptor w/Knobs	A1110
	Instrument Wall Storage Unit	A1023

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MAYFIELD®
Cranial Stabilization Systems
and Retractor Systems
Product Catalog

Ordering and Warranty Information	4
MAYFIELD®2 System	6
MAYFIELD® Base Units	8
MAYFIELD® Swivel Adaptors	10
MAYFIELD® Skull Clamps	12
MAYFIELD® Skull Pins	14
MAYFIELD® Horseshoe Headrests	16
MAYFIELD® Infinity Support System	18
MAYFIELD® Infinity Skull Clamp	20
MAYFIELD® Infinity XR2 Radiolucent System	22
MAYFIELD® Infinity XR2 Radiolucent System: Horseshoe Headrests	24
MAYFIELD® Infinity XR2 Radiolucent System: Accessories	25
BUDDE® Halo Retractor System	26
BUDDE® Halo Radiolucent Retractor System	28
Integra® Brain Retractor System	29
Retractor Blades	30
Accessories	32
Indications & Contraindications	36
Index Alphabetical	40
Index Numerical	41

Pricing:

Prices stated in specific written quotations are firm for thirty days from the date given, and are otherwise subject to change without prior notice. Pricing terms stated on written agreements are governed by such agreements.

Minimum Order Requirements:

Minimum order requirement is €250 (a €20 handling charge will be added to any order under €250).

Ordering Procedure:

A written purchase order on the customer's form may be requested for purchases of Integra LifeSciences products.

Acceptance of Orders:

Orders are accepted upon approval by Integra Customer Service.

Return Policy:

- Authorization from customer service must be obtained prior to returning product.
- Sterile product must be returned in unopened, undamaged cartons, packed to prevent damage.
- Non-sterile product must be returned in unused saleable condition in original package.
- Custom or special order products will not be accepted for credit.
- Credit will be issued for goods returned prior to ninety days from ship date with a 20% restocking charge. This assumes that the product returned is not damaged and can be verified to have not been used or opened.

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New Mayfield® 2 products are guaranteed to be free from manufacturing defects in material and workmanship under normal use and service for a period of two (2) years (except as otherwise expressly provided as to accessory items) from the date of delivery by INTEGRA (or its authorized distributor) to the original purchaser, but in no event beyond the expiration date stated on any product labeling. For purposes of products sold by INTEGRA through an authorized distributor of INTEGRA, "original purchaser" shall include the purchaser of INTEGRA products to whom the distributor first sells the product.

- Surgical instruments are guaranteed to be free from defects in material and workmanship when maintained and cleaned properly and used normally for their intended purpose.
- Any covered product that is placed by INTEGRA under a lease, rental or installment purchase agreement and that requires repair service during the term of such placement agreement shall be repaired in accordance with the terms of such agreement.

If any covered defect occurs during the warranty period or term of such placement agreement, the purchaser or distributor should communicate directly with INTEGRA. If purchaser or distributor seeks to invoke the terms of this warranty, the product must be returned to INTEGRA. The defective product should be returned promptly, properly packaged and postage prepaid. Loss or damage in return shipment to INTEGRA shall be at sender's risk. INTEGRA's sole responsibility under this warranty shall be repair or replacement, at INTEGRA's sole discretion at INTEGRA's expense, subject to the terms of this warranty and applicable agreements. IN NO EVENT SHALL INTEGRA BE LIABLE FOR ANY INCIDENTAL, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES IN CONNECTION WITH THE ACQUISITION OR USE OF ANY INTEGRA PRODUCT. Further, this warranty shall not apply to, and INTEGRA shall not be responsible for, any loss arising in connection with the purchase or use of any INTEGRA product altered in any way so as, in INTEGRA's judgment, to affect its

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MAYFIELD® surgical devices
The legacy moves forward

Developed by neurosurgeon Dr. Frank Mayfield in 1968.



MAYFIELD® 2 System: Next generation of Cranial Stabilization*

High performance composite and stainless steel components provide durable, rigid and reliable materials to withstand the requirements of decontamination processes.

MAYFIELD® Cranial Stabilization Systems and accessories

More than 40 years of Cranial Stabilization & accessories equipment.



MAYFIELD® Infinity XR2 Radiolucent System

Provides versatility in product configurations to meet positioning requirements during intraoperative imaging.

Brain Retractor Systems

A broad range of Retractor Solutions for Neurosurgical Procedures.



* In comparison with our Metal cranial stabilization system.
Composite material allows rigidity, light weight and withstands high temperature (132-134°(-0/+3°C))

MAYFIELD® 2 System - NEXT GENERATION of Cranial Stabilization*

High performance composite and coated stainless steel components provide durable, rigid and reliable materials to withstand the requirements of decontamination processes.

- Autoclave temperatures 132-134°C (-0/+3°C), Time 3 to 18 minutes.
- Wide range of pH detergents (pH from 3 to 11) during manual cleaning process.
- Endures WHO** Protocol for high infectious diseases decontamination.



*In comparison with our Metal cranial stabilization system.

Composite material allows rigidity, light weight and withstands high temperature 132 to 134°C (-0/+3°C), Time 3 to 18 minutes.

** World Health Organization.



MAYFIELD®2 Standard Base Unit

Support device that facilitates attachment of skull clamps and headrests systems to the Operating Room (OR) table.

- No tool required for adjustment.
- New handling as the transitional member is permanently attached to the locking handle.
- Self locking lever to provide added locking mechanism when the system is locked in place.
- Includes A3018 standard swivel adaptor to provide a complete set.

Catalog No. A3101



MAYFIELD®2 Skull Clamp

Design based on Modified skull Clamp (A1059) to provide 3-point rigid cranial fixation.

- Only one hand needed to disengage and smoothly slide the ratchet arm.
- Allows precision with skull clamp positioning:
 - > 15 additional rocker arm positions for maximum access to the operative site.
 - > Longer Skull clamp uprights to better interface with Patient's facial Anatomy.
 - > 51% more ratcheting teeth for more precise and smaller increments when pushing together the two halves.
- Compatible with current MAYFIELD® Skull pins

Catalog No. A3059



MAYFIELD®2 TriStar Swivel Adaptor

Available for image-guided surgery procedures when ancillary components are required.

Catalog No. A3008

MAYFIELD®2* System:

Components	Catalog #
MAYFIELD®2 Standard Base Unit**	A3101
MAYFIELD®2 Skull Clamp	A3059
MAYFIELD®2 TriStar Adaptor	A3008
MAYFIELD®2 Standard Swivel Adaptor	A3018

*All components are sold separately.

**includes A3018 MAYFIELD®2 Standard Swivel Adaptor

MAYFIELD® Ultra 360 Patient positioning system

Support/Mounting device that facilitates attachment of MAYFIELD® skull clamps or headrest systems to the Operating Room (OR) table.

- Independent rotating and self-locking handles provide more fluid and flexible movement for better connection to the desired skull clamp position.
- Set-up time is reduced because of the quick handle action.
- More flexible movement with added rotation for additional degrees of freedom.
- Unit can be placed in the reverse position to provide added height.

Catalog No. A2009

System includes:

Component	Catalog #	Quantity
360 Adaptor Assembly	S41A1614	1
360 Tri-Star Adaptor Assembly	S41B1615	1



S41A1614



S41B1615

MAYFIELD® Ultra Base Unit

Support/Mounting device that facilitates attachment of MAYFIELD® skull clamps or headrest systems to the OR table.

- 33% more weight and force bearing capacity for improved patient positioning.

Catalog No. A2101



MAYFIELD® Spine Table Adaptor Metal



The spine table adaptor connects MAYFIELD® skull clamps or horseshoe headrests to specialty spine tables.

- Easy attachment to the rails thanks to lock knobs.
- Double-cam locking handle ensures quick and stable fixation.
- Includes the standard transitional member.
- Compatible with metal swivel adaptors, skull clamps and horseshoe headrests.

Catalog No. A2600M

MAYFIELD® Swivel Adaptor

Adapts headrests and skull clamps to MAYFIELD® base units.

- Provides flexibility in positioning via 360-degree rotation.

Catalog No. A1018

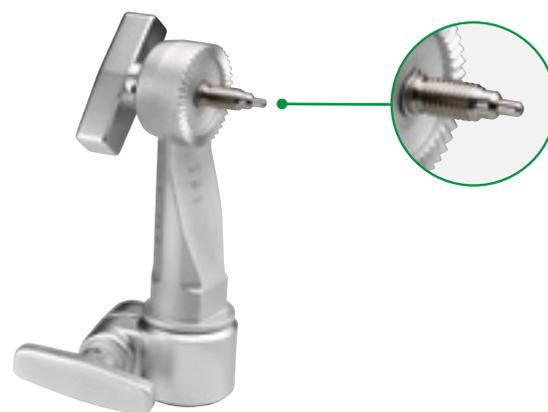


MAYFIELD® Modified Swivel Adaptor

Same as A1018, with added spring-loaded pin that, when connected to ratchet arm of skull clamp, minimize all movements of the skull clamp components.

- Compatible with all MAYFIELD® skull clamps (except A1114 Infinity skull clamp) and MAYFIELD® horseshoe headrests.

Catalog No. A1115



MAYFIELD® Ball Socket Swivel Adaptor

Attaches to MAYFIELD® base units to provide flexibility in positioning via 360-degree rotation with tilt in any axis.

- Locking pivot permits precise patient positioning.
- Exclusive spring-loaded mechanism provides assured stability.
- Telescoping handle for easy access for tightening and loosening.

Catalog No. A1064



MAYFIELD® TriStar Swivel Adaptor



Attaches to MAYFIELD® base units to provide flexibility in positioning via 360-degree rotation.

- Provides two additional starbursts to facilitate attachment of ancillary components such as Image Guided Surgery (IGS) dynamic reference frames and articulating arms.
- Starburst can rotate 360-degrees independently of skull clamp to optimize ancillary components positioning.

Catalog No. A2008

MAYFIELD® Modified TriStar Swivel Adaptor



Same as A2008, with added spring-loaded pin that, when connected to ratchet arm of skull clamp, minimize all movements of the skull clamp components.

- Compatible with all MAYFIELD® skull clamps (except the A1114 Infinity skull clamp) and MAYFIELD® horseshoe headrests.

Catalog No. A1116

MAYFIELD® Modified Skull Clamp

Provides 3-point rigid cranial fixation.

- Flexibility in positioning skull pins around critical areas.
- Quick-release button.

Catalog No. A1059



MAYFIELD® Triad Skull Clamp

Provides 3-point rigid cranial fixation.

- Provides visual indication of clamping force on ALL THREE skull pins.
- Ability to adjust the force on ALL THREE skull pins with the adjustment wrench.
- Equal impingement of pins ensures firm skull positioning and fixation.

Catalog No. A1108



MAYFIELD® Infinity Skull Clamp System



Provides 3-point rigid cranial fixation.

- Added length and curved contours of the skull clamp uprights allow clamp to better interface with the horseshoe headrests of the Infinity Support System.
- Multiple rocker arm options: Standard, Triad, Pediatric, Single-pin.
- Adult 80 lb (+/- 36kg) and pediatric 18 lb (+/- 8kg) torque screw options.

Refer p.20-21 for more information

Catalog No. A1114

MAYFIELD® 2000 Skull Clamp



Provides 3-point rigid cranial fixation.

- Streamlined body design and low profile single pin side facilitates exposure to the operative site.
- Swivel rocker arm mechanism permits flexibility in patient positioning.

Catalog No. A2000

Reusable



Reusable Skull Pins

Fit all MAYFIELD® skull clamps to allow rigid cranial fixation.

- Black O-ring connotes a reusable product and allows a good fit in receptacle holes.
- Pediatric skull pins: pinpoint reduced to control penetration.
- Titanium skull pins: designed and tested for use in MR systems up to 3.0 Tesla (T)*.
- Packaging: supplied individually and non-sterile.

Composition	Adult	Pediatric
Stainless Steel	 Catalog No. A1047	 Catalog No. A1048
Titanium	 Catalog No. A1121	 Catalog No. A1122

* These skull pins are MR conditional according to terminology specified in the American Society for testing and Materials (ASTM) International. Designation: F2503-05. See product instructions for use for conditions.

Disposable



Disposable Skull Pins

Fit all MAYFIELD® skull clamps to allow rigid cranial fixation.

- Red O-ring connotes a disposable product and allows a good fit in receptacle holes.
- Black plastic base connotes a disposable product and body “wings” design improves fitting into receptacle holes of all MAYFIELD® Skull Clamps:
 - Finger grooves molded into the pin body facilitate sure grip and easy removal from pin holders.
- Pediatric skull pins: pinpoint reduced to control penetration.
- Packaging: 36 pins per box (12 sets of 3 sterile pins).
- Titanium disposable skull pins: designed and tested for use in MR systems up to 3.0 Tesla (T)*.

Composition	Adult	Pediatric	
Stainless Steel	 Catalog No. A1083	 Catalog No. A1072	 Catalog No. A1084
Titanium	 Catalog No. A1120	 Catalog No. A1119	

Radiolucent



Radiolucent Disposable Skull Pins

Fit all MAYFIELD® skull clamps to allow rigid cranial fixation.

- Designed and tested for use in MR systems up to 3.0 Tesla (T)* and engineered from synthetic Sapphire material to limit artifact during CT and MR imaging.
- Packaging: 3 sterile pins per box.

Composition	Adult
-------------	-------

Synthetic Sapphire



Catalog No. A2020

* These skull pins are MR conditional according to terminology specified in the American Society for Testing and Materials (ASTM) International. Designation: F2503-05. See product instructions for use for conditions.

Illustration of a complete MAYFIELD® Headrest System



MAYFIELD® Adult Horseshoe Headrest (A1012) with Ball Socket Swivel Adaptor (A1064) and Ultra Base Unit (A2101).

MAYFIELD® Adult Horseshoe Headrests

Provide non invasive cranial support in the prone or supine position for adults and older children.

- Vertical and lateral adjustments allow flexibility in patient positioning.
- Supple fluid resistant gel pads provide comfort and reduce the incidence of pressure necrosis.
- Pulley Rod attachment for skeletal traction.
- Needs A1110 MAYFIELD® Triad Horseshoe conversion adaptor with knobs to be attached directly to the transitional member of the MAYFIELD® Ultra Base unit A2101 (see page 34).

Catalog No. A1012

- Same as A1012 except connection is made directly to the transitional member for chin-to-chest positioning.
- Needs A1109 MAYFIELD® horseshoe conversion adaptor to be attached to the MAYFIELD® swivel adaptors or A2009 MAYFIELD® Ultra 360 patient positioning system (see page 34).

Catalog No. A1011



A1012



A1011

MAYFIELD® Pediatric Horseshoe Headrest



Provides non invasive cranial support in the prone or supine position for infants and young children (ages 5+).

- Vertical and lateral adjustments allow flexibility in patient positioning.
- Supple fluid resistant gel pads provide comfort and reduce in the incidence of pressure necrosis.
- Needs A1109 MAYFIELD® horseshoe conversion adaptor to be attached to the MAYFIELD® swivel adaptors or A2009 MAYFIELD® Ultra 360 patient positioning system (see page 34).

Catalog No. A1051

Papadopoulos Posterior Cervical Spine (PCS) Support



Provides posterior cervical spine support for anterior approaches and easy connection to MAYFIELD® base units.

- Ratcheting system allows easy intraoperative cervical extension.
- Support base is radiolucent to facilitate intraoperative imaging.

Catalog No. A1073

MAYFIELD® General Purpose Headrest



Provides non invasive cranial support and positioning.

- In supine or semi-sitting procedures
- With gel pads that easily contour the head

Catalog No. A1008

MAYFIELD® Infinity Support System

Provides multiple cranial support in the prone or supine position for pediatric patients (ages 5+) and adults.

The Infinity system can be attached to any MAYFIELD® base unit, to create a complete head support method (for adult, pediatric or general purpose) with using simultaneously a skull clamp AND a horseshoe headrest. This is especially important for patients who require a low clamping force to stabilize the position of the head, such as pediatric patients (ages 5+) and trauma patients.

The Infinity head supports can be positioned close to the O.R. Table, which is important for patients with short neck lengths.

Catalog No. A1112



Infinity system attached to Ultra Base Unit A2101.

MAYFIELD® Infinity support system (A1112) includes*:

Components	Catalog #	Quantity
Infinity Support Coupler	S419B1010	1
Horseshoe – Pediatric	S419A1030	1
Horseshoe – Adult	S419A1031	1
Horseshoe – General Purpose	S419A1050	1
Mini Gel Pad for General Purpose	S419A1048	2
Storage Case (not pictured)	S419A1060	1

* Any of the above components may be ordered separately

Replacement horseshoe headrest gel pads:

Components	Catalog #	Quantity
Pediatric – Left	S440C1011	1
Pediatric – Right	S440C1012	1
Adult – Left	S41C1444	1
Adult – Right	S41C1445	1
Mini gel pad for general purpose	S419A1048	1



Illustration of the Infinity support system mounted on the Ultra Base Unit A2101, the MAYFIELD® swivel adaptor A1018 and the MAYFIELD® Infinity skull clamp A1114.

MAYFIELD® Infinity Coupler

- No tool needed to mount the coupler to any MAYFIELD® base unit.
- Head supports can be adjusted vertically and laterally for flexibility in patient positioning, then locked in place.
- Position of head support can be tilted on ball socket joint and locked in place.

Catalog No. S419B1010



MAYFIELD® Infinity Adult Horseshoe



- Provides non invasive cranial support for adults and older children (ages 5+) in either prone or supine positions.
- Adjustable pad base (faceplates) accommodates various head sizes.
- Supple fluid resistant gel pads provide comfort and reduce the incidence of pressure necrosis.
- Easily cleaned.

Catalog No. S419A1031

MAYFIELD® Infinity Pediatric Horseshoe



- Provides non invasive cranial support for infants and young children in either prone or supine positions.
- Same benefits of the MAYFIELD® Infinity adult horseshoe (S419A1031).

Catalog No. S419A1030

MAYFIELD® Infinity General Purpose Headrest



- Provides non invasive cranial support in either supine or semi-sitting procedures.
- Mini gel pads can be positioned in multiple receptacles and can be tilted on their hinges.
- Mini gel pads can be used in all MAYFIELD® skull clamp pin carriers for pin less stabilization.
- The use of mini gel pads in MAYFIELD® skull clamp pin carriers must be used in conjunction with a horseshoe headrest thanks to the Infinity support coupler A1112.

Catalog No. S419A1050

MAYFIELD® Infinity Skull Clamp

Multiple, quick-change, snap-in rocker arm options provide the ability to match the stabilization points to the size of the patient's head for optimal fixation and surgical access. No tools are needed to change rocker arms.

Catalog No. A1114



MAYFIELD® Infinity Skull Clamp System (A1114) includes*:

Components	Catalog #	Quantity
Infinity Skull Clamp	A1114	1
Adult Rocker Arm	S419B1204	1
Child's Rocker Arm	S419B1205	1
Triad Rocker Arm	S419B1206	1
Single Pin Accessory	S419A1207	1
Reduced Load 18-lb (+/- 8kg) torque screw	S419A1208	1
80-lb (+/- 36kg) Torque Screw	S419A1209	1
Adjustment Wrench	S41A1482	1
Storage Case (not pictured)	S419A1250	1

Infinity Skull Clamp shown with:

- 80-lb (36kg) Torque Screw S419A1209
- Standard Adult Rocker Arm S419B1204
- Infinity Support System A1112
- MAYFIELD® Ultra Base Unit A2101
- MAYFIELD® Tri-Star Swivel Adaptor A2008
- MAYFIELD® Adult disposable skull pins A1072

*Any of the above components may be ordered separately.

MAYFIELD® Torque Screw

Two torque Screw options to assist in providing the desired amount of pressure for the patient and the procedure.

- Standard MAYFIELD® 80 lbs (+/- 36kg) Torque Screw
- Reduced load 18 lbs (+/- 8kg) Torque Screw provided for procedures where lower, more controlled pressure and less penetration of the pins is needed.

NOTE: The reduced load torque screw should always be used in conjunction with a horseshoe headrest or other form of primary patient head support.



80 lb (+/-36kg) Torque Screw
Catalog No. S419A1209



18 lb (+/-8kg) Torque Screw
Catalog No. S419A1208

Rocker Arm options



MAYFIELD® Triad Rocker Arm

- Provides visual indication of clamping force of the two pins on the rocker arm.
- Ability to adjust clamping force on each pin thanks to the adjustment wrench .

Catalog No. S419B1206

MAYFIELD® Standard Adult Rocker Arm



The same two-pin rocker arm provided with the standard MAYFIELD® skull clamp.

Catalog No. S419B1204

MAYFIELD® Child's Rocker Arm



Rocker Arm configured for smaller patient skull's size.

Catalog No. S419B1205

MAYFIELD® Single Pin Accessory



Provides a direct opposing point of stabilization with the Torque Screw pin. Flexibility in positioning of pins around critical areas and the surgical site.

Catalog No. S419A1207

MAYFIELD® Infinity XR2 Radiolucent System

- Provides versatility in product configurations to meet positioning requirements during intraoperative imaging.



Products shown:
 - MAYFIELD® XR2 Skull Clamp A2114
 - MAYFIELD® XR2 Base Unit A2079; including MAYFIELD® XR2 Swivel Adaptor (439A1094)

MAYFIELD® Infinity XR2 Base Units

Provide rigid support between surgical table and skull clamp or headrest for patient positioning*.

- Suitable for Digital Subtraction Angiography (DSA), Fluoroscopy and CT imaging modalities*.
- Set-up and positioning is easy with the simplified linkage components that are secured by colorcoded dual-action knobs, saving operating time.
- Double-cam locking handles for easier opening.
- No tool is required for adjustment of the locking handle tension.
- Horizontal bar provides a wide imaging window - full side-to-side lateral positioning.
- Incompatible with MAYFIELD® Standard systems

Catalog No. A2079 or No. A2079E



Components	A2079	A2079E (Extended)
Total width	28.35 In (72cm)	32.45 In (82,4 cm)
Rail to rail width	19.5 In to 24 In (49,6 cm to 61 cm)	22 In to 28 In (55,9 cm to 71,1 cm)
Rail channel	1.26 in (3,2 cm)	
Standard rad. Swivel Adaptor included	Yes	

* Refer to A2079/A2079E IFU - publication number 451A2079 Rev B

MAYFIELD® Radiolucent Spine Table Adaptor



The Spine Table Adaptor connects A2114 MAYFIELD® skull clamp.

- Easy attachment to the rails thanks to lock knobs.
- Double-cam locking handle allows quick and secure fixation.
- Connects to standard rail brackets of spine tables.

Catalog No. A2600R

MAYFIELD® Infinity XR2 Skull Clamp



Provides rigid 3-point skeletal fixation for cranial and cervical procedures involving Digital Subtraction Angiography (DSA), fluoroscopy, CT imaging, and MR imaging modalities.

- MR compatible up to 3 Tesla with standard version.
- Optional : using metal-free torque screw will avoid image distortion or artefact.

- 80-lbs torque knob on the single-pin side for a familiar position & easy to read.
- Double-pawl ratchet mechanism for easier application of the skull clamp by the surgeon to the patient.
- Easy assembly and disassembly of the Rocker arms: no tool is needed.
- Includes the adult Rocker arm 439A1094.

Catalog No. A2114

Removable Rocker Arm



- No tool is needed to remove the Rocker Arm for cleaning or changing to another size.
- Tapered shaft hold the Rocker Arm in place.

Catalog No. 439A1094

MAYFIELD® Adult Radiolucent Horseshoe Headrest

- Provides non invasive support in the prone and supine position during diagnostic examination or surgical procedures.
- Offers the same benefits of the standard horseshoe headrest (A1012).
- Composite carbon fiber provides strength, durability and minimal artifact during imaging.
- Designed to be used with the MAYFIELD® Radiolucent Base Units A2079, A2079E and A2600R.

Catalog No. A2010



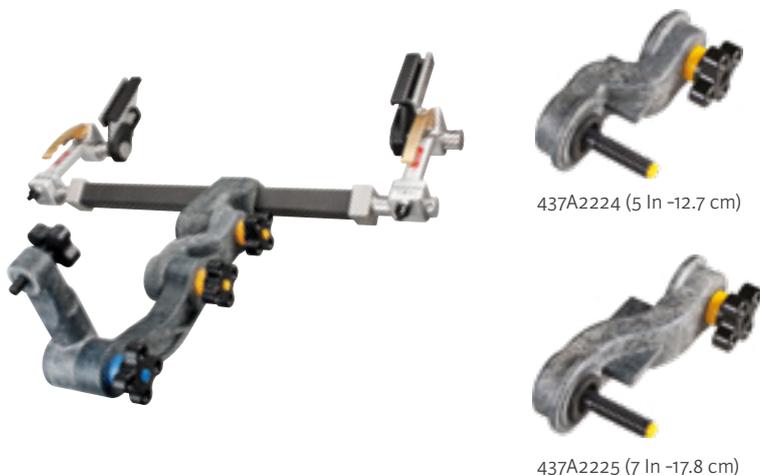
MAYFIELD® Pediatric Radiolucent Horseshoe Headrest

- Provides non invasive support in the prone and supine position for children during diagnostic examination or surgical procedures
- Offers the same benefits of the adult radiolucent horseshoe headrest.

Catalog No. A2011



Portable CT Set-Up with Link Arm Extensions



- Provide additional length to allow non-Radiolucent components of the XR2 Base Unit to be positioned further outside the imaging window.

Catalog No. 437A2224 (5 In -12.7 cm) Link Arm Extension
 Catalog No. 437A2225 (7 In -17.8 cm) Link Arm Extension

Force Module & Metal-Free Conversion Accessory



Metal-Free Conversion Accessory
(439A1092)



Removable Force Module
(439A1093)

- Converts the skull clamp to be free of any metal in the product during imaging.

Catalog No. 439A1092
 Catalog No. 439A1093

Removable Child Rocker Arm



- Rocker Arm holds two skull pins, allows for positioning on smaller skull sizes.

Catalog No. 439A1091

MAYFIELD® Infinity XR2 Tri-Star Swivel Adaptor



Designed to provide flexibility in positioning patient's head by allowing rotation in 360 degrees.

- Provides two extra starburst attachments for ancillary equipment, when needed.
- Allows for a strong attachment of image guided surgery components.
- Easy set-up and firm fixation onto the base unit and the skull clamp thanks to standard fixation screws.

Catalog No. A2111

BUDDE® Halo Retractor System

Attaches to MAYFIELD® Skull Clamps or to the side rails of the OR table to provide a sturdy platform for retraction or hand rest for the surgeon.

- Double-Hinged ContinuTrac™ halo ring provides 360-degrees of uninterrupted retractor arm placement for flexibility.
- Low profile design allows for ease of instrument passage within the surgical field.
- Ideal for posterior fossa procedures.
- Blades can be micro-manipulated without flex arm extension readjustment.
- Budde® Halo Side Rail Support (A1067) and MAYFIELD® Universal Side Rail Fitting (A1060) allows fixation of the system to the OR table when a conventional skull clamp is not used.
- Sterilizable.

Catalog No. A1040



Shown on a MAYFIELD® Triad Skull Clamp (A1108, see on page 11) and A2008 MAYFIELD® Tri-Star Adaptor Modified (seen on page 11).

BUDDE® Halo Retractor System (A1040) includes:

Components	Catalog #	Quantity
ContinuTrac™ Halo Ring	S438B1178	1 each
9" (229 mm) Halo Flex Arm	S438A1011	3 each
BUDDE® Halo Support Bracket	S438B1010	2 each
BUDDE® Halo Support Rod (5/16")	S438A1188	2 each
BUDDE® Halo Pattie Tray	S438A1037	1 each
Halo Mini Vise (not shown)	S438A1140	1 each
BUDDE® Curved Retractor Blades - SS (Stainless Steel)*	438A1077 A,B,C,D,X	2 each
TEW™ Micro Retractor Blades - SS (not shown)*	438A1082 A,B,C	1 each
TEW™ Micro Retractor Blades - SS (not shown)*	438A1083 A,B,C	1 each
SAMY Vascular Retractors, short - SS (not shown)*	438A1200A	Set of 3
SAMY Vascular Retractors, long - SS (not shown)*	438A1200B	Set of 3
Halo Adjustment Wrench (not shown)	S438A1024	2 each
Halo Poly Vac Sterilization Case (not shown)	S438A1096	1 each

Optional Accessories:

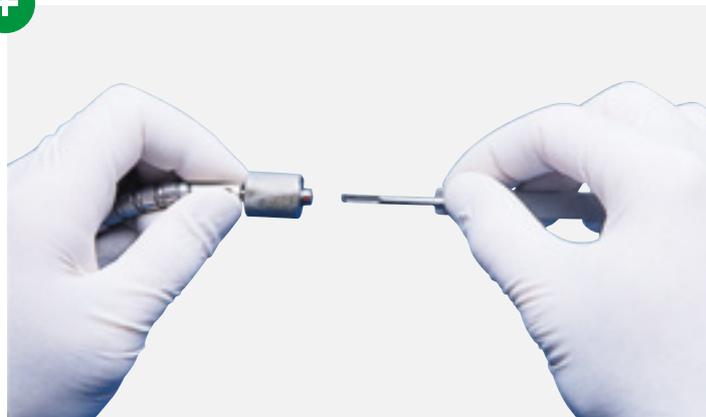
Components	Catalog #
BUDDE® Halo Side Rail Support	A1067
TEW™ Hooked Micro Retractor Blades (2mm) - SS*	438A1151 A,B,C,D
TEW™ Hooked Micro Retractor Blades (4mm) - SS*	438A1152 A,B,C,D
Budde® Tapered Retractor Blades - SS*	438A1154 B,C,D,E
TEW™ Serrated Micro Retractor Blades (2mm) - SS*	438A1155 A,B,C,D
TEW™ Serrated Micro Retractor Blades (4mm) - SS*	438A1157 A,B,C,D
12" (300mm) Halo Flex Arm	S438A1012

* Refer p. 30 for size information



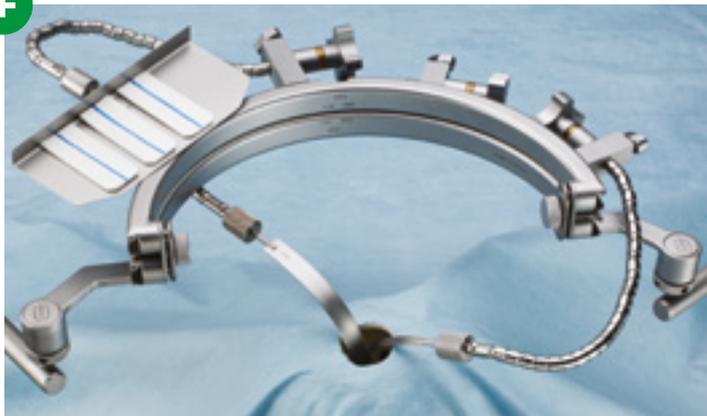
Attachment onto the Skull Clamp

The Support Bracket allows attachment directly onto the Skull Clamp.



Low Profile Click-in Blade

Low profile click-in blades eliminate obstruction of the surgical site.



Half Ring

Double hinged design allows the halo ring to be easily angled for multiple approaches to the surgical field.



ContinuTrac™ Halo Ring

Double-Hinged ContinuTrac™ Halo Ring provides 360-degrees of uninterrupted retractor arm placement for more flexibility.



Side Rail Support

Recommended for surgical procedures when a conventional skull clamp is not used.

BUDDE® Halo Radiolucent Retractor System



BUDDÉ Halo Radiolucent A1096 shown on a XR2 Infinity Skull Clamp A2114.

Attaches to MAYFIELD® radiolucent skull clamps. Provides a sturdy platform for retraction and a ready support or hand rest for the surgeon.

- Radiolucent components allow the system to remain in place during intraoperative imaging.
- Compatible with the MAYFIELD® Radiolucent Headrest System (A2114).
- Imaging compatible titanium retractor arms can remain in place during scanning.
- Ring can be quickly changed to a half ring set-up for improved access thanks to the hinge.
- Blades can be micro-manipulated without flex arm extension readjustment.
- Designed to significantly reduce or limit artefact during intracranial procedures.

Catalog No. A1096

BUDDÉ Halo Radiolucent Retractor System (A1096) includes:

Components	Catalog #	Quantity
Halo Ring	S443A1000	1 each
9" (229mm) Halo Flex Arm – TI (titanium)	S443A1070A	3 each
Rod Support Clamp Assembly	S443A1060	2 each
Radiolucent Support Rod	S443B1052	2 each
Halo Pattie Tray – SS (stainless steel)	S438A1037	1 each
Halo Mini Vise – SS (not shown)	S438A1140	1 each
Halo Adjustment Wrench (not shown)	S443A1004	1 each
Halo Poly Vac Sterilization Case (not shown)	S443A1005	1 each
BUDDÉ Curved Retractor Blades – SS*	438A1077A,B,C,D,X	2 each
TEW™ Micro Retractor Blades – SS (not shown)*	438A1082A,B,C	1 each
TEW™ Micro Retractor Blades – SS (not shown)*	438A1083A,B,C	1 each
SAMY Vascular Retractors, short – SS (not shown)*	438A1200A	Set of 3
SAMY Vascular Retractors, long – SS (not shown)*	438A1200B	Set of 3

Optional Accessories:

Components	Catalog #
TEW™ Hooked Micro Retractor Blades (2mm) – SS*	438A1151 A,B,C,D
TEW™ Hooked Micro Retractor Blades (4mm) – SS*	438A1152 A,B,C,D
Budde Tapered Retractor Blades – SS*	438A1154 B,C,D,E
TEW™ Serrated Micro Retractor Blades (2mm) – SS*	438A1155 A,B,C,D
TEW™ Serrated Micro Retractor Blades (2mm) – SS*	438A1157 A,B,C,D
12" (300mm) Halo Flex Arm – TI	S443A1070B
6" (150mm) Halo Flex Arm – TI	S443A1070C

* Refer p. 30 for size information

Integra Brain Retractor system



A complete system with individual components providing as much or as little retraction as needed for each procedure.

- Modular, self-retaining components allow a variety of configurations to surround the surgical site for retraction.
- Compatible with all MAYFIELD® skull clamps and can be brought at any stage during the procedure.
- The system can be attached to the skull clamp or directly to the operating room table for procedures where a skull clamp is not necessary.
- Sterilizable.

Catalog No. A2012

Multiple Configurations



One retractor arm with one retractor blade



Two retractor arms with two retractor blades



Side rail attachment with one retractor arm and one retractor blade

Integra Brain Retractor System (A2012) includes*:

Components	Catalog #	Quantity
Primary bars and clamp assembly	417A1000	2 each
Floating Secondary Bars	417A1001	4 each
Retractor Arms 9.5"	417A1002	4 each
Handrest	417A1003	1 each
PATTIE Tray	417A1004	1 each
Tapered Retractor Blade, 1/4" to 3/4"(6.4 mm to 19.1 mm)**	417A1005	1 each
Tapered Retractor Blade, 5/32" to 5/8"(4.0 mm to 15.9mm)**	417A1006	1 each
Tapered Retractor Blade, 1/8" to 1/2"(3.2 mm to 12.7 mm)**	417A1007	1 each
Tapered Retractor Blade, 3/32" to 3/8"(2.4 mm to 9.5 mm)**	417A1008	1 each
Tapered Retractor Blade, 1/16" to 1/4"(1.6 mm to 6.4 mm)**	417A1009	1 each
Sterilization Case (not shown)	417A1010	1 each

* any of the above components may be ordered separately.

** Refer p. 30 for size information

Brain Retractor-Blade Table

The table below shows retractor-blade usability. (•) indicates that the retractor will hold the blade, (x) indicates that an additional device, Mini Vise (S438A1140) is required

Reference	Size in inch (Width x Length) unless otherwise noted	Size in mm (Width x Length) unless otherwise noted	A1040 Budde® Halo	A1096 Budde® Halo Radiolucent	A2012 Integra Brain Retractor System
Tapered Retractor Blades - Taper x 9" (229mm)					
417A1005	1/4" to 3/4"	6.4mm to 19.1mm	X	X	•
417A1006	5/32" to 5/8"	3.9mm to 15.9mm	X	X	•
417A1007	1/8" to 1/2"	3.2mm to 12.7mm	X	X	•
417A1008	3/32" to 3/8"	2.4mm to 9.5mm	X	X	•
417A1009	1/16" to 1/4"	1.6mm to 6.4mm	X	X	•
Budde® Curved Retractor Blades					
438A1077A	1/4" x 4"	6.3mm x 102mm	•	•	•
438A1077B	3/8" x 4"	9.5mm x 102mm	•	•	•
438A1077C	5/8" x 4"	15.9mm x 102mm	•	•	•
S438A1077D	3/4" x 4"	19.1mm x 102mm	•	•	•
438A1077E*	1" x 4"	25.4mm x 102mm	•	•	•
438A1077X	1/2" x 4"	12.7mm x 102mm	•	•	•
Budde® Tapered Retractor Blades					
438A1154B*	3/8" Min. width x 4"	9.5mm Min. Width x 102mm	•	•	•
438A1154C*	5/8" Min. width x 4"	15.9mm Min. width x 102mm	•	•	•
438A1154D*	3/4" Min. width x 4"	19.1mm Min. width x 102mm	•	•	•
438A1154E*	1" Min. width x 4"	25.4mm Min. width x 102mm	•	•	•
Budde® TEW™ Micro Retractor Blades					
438A1082A	0.07" x 4.5"	2mm x 114mm	•	•	•
438A1082B	0.07" x 5.5"	2mm x 140mm	•	•	•
438A1082C	0.07" x 6.5"	2mm x 165mm	•	•	•
438A1082D*	0.07" x 7.5"	2mm x 191mm	•	•	•
438A1083A	0.15" x 4.5"	4mm x 114mm	•	•	•
438A1083B	0.15" x 5.5"	4mm x 140mm	•	•	•
438A1083C	0.15" x 6.5"	4mm x 165mm	•	•	•
438A1083D*	0.15" x 7.5"	4mm x 191mm	•	•	•

* Retractor not included in Budde® Halo Retractor System (A1040 & A1096)

Reference	Size in inch (Width x Length) unless otherwise noted	Size in mm (Width x Length) unless otherwise noted	A1040 Budde® Halo	A1096 Budde® Halo Radiolucent	A2012 Integra Brain Retractor System
Budde® TEW™ Micro, Hooked Retractor Blades					
438A1151A*	0.07" x 4.5"	2mm x 114mm	•	•	•
438A1151B*	0.07" x 5.5"	2mm x 140mm	•	•	•
438A1151C*	0.07" x 6.5"	2mm x 165mm	•	•	•
438A1151D*	0.07" x 7.5"	2mm x 191mm	•	•	•
438A1152A*	0.15" x 4.5"	4mm x 114mm	•	•	•
438A1152B*	0.15" x 5.5"	4mm x 140mm	•	•	•
438A1152C*	0.15" x 6.5"	4mm x 165mm	•	•	•
438A1152D*	0.15" x 7.5"	4mm x 191mm	•	•	•
TEW™ Micro, Serrated Retractor Blades					
438A1155A*	0.07" x 4.5"	2mm x 114mm	•	•	•
438A1155B*	0.07" x 5.5"	2mm x 140mm	•	•	•
438A1155C*	0.07" x 6.5"	2mm x 165mm	•	•	•
438A1155D*	0.07" x 7.5"	2mm x 191mm	•	•	•
438A1157A*	0.15" x 4.5"	4mm x 114mm	•	•	•
438A1157B*	0.15" x 5.5"	4mm x 140mm	•	•	•
438A1157C*	0.15" x 6.5"	4mm x 165mm	•	•	•
438A1157D*	0.15" x 7.5"	4mm x 191mm	•	•	•
SAMY Vascular Retractor Blades - Diameters 0,12"; 0,19" & 0,27" (set of 3) / Diameters - 3, 5 & 7mm (set of 3)					
438A1200A	Short - 3.6" Length	Short - 91.4mm Length	•	•	•
438A1200B	Long - 4.6" Length	Long - 117mm Length	•	•	•

* Retractor not included in Budde® Halo Retractor System (A1040 & A1096)

MAYFIELD® NeuroGen Adaptor

Support/Mounting device that allows attachment of base units to the OR table when receptacle holes are absent or inappropriate.

- Quick adjustable end bracket to fit a wide range of table widths; from 21,375" (54,29 cm) to (62,230 cm).
- Easy attachment to OR table side rails thanks to lock knobs.
- Provides optional lateral adjustment with multiple mounting holes for base unit placement.

Catalog No. A1113



MAYFIELD® Crossbar Adaptor

For seated position procedures:

- Easily mounts to OR table side rails to adapt all MAYFIELD® Skull Clamps for posterior fossa craniotomy procedures or posterior cervical laminectomies.
- Allows for unobstructed view of the posterior cervical spine and occipital areas.
- Compatible with most currently available OR tables.
- Requires use of 2 A1060 Side Rail Fittings.

Catalog No. A1015



MAYFIELD[®] Universal Side Rail Fitting



- For attaching the MAYFIELD[®] Crossbar Adaptor (A1015) and other products to the OR table.
 - Compatible with most currently available OR tables.
- Catalog No. A1060

INTEGRA[™] Cranial Stabilisation Covers



Non-Sterile, Disposable Covers designed to protect MAYFIELD[®] Systems.

- Reduce cleaning time.
- Protect critical components.

Catalog No. A1118

MAYFIELD[®] Instrument Wall Storage Unit



Wall board used to organize and store MAYFIELD[®] products.

- Printed instrumental silhouettes make proper storage quick and easy.
- Holds all MAYFIELD[®] Headrest components.
- Delivered empty.

Catalog No. A1023

MAYFIELD® horseshoe conversion adaptor

Allows an A1011 MAYFIELD® horseshoe headrest and A1051 MAYFIELD® paediatric horseshoe headrest to attach to A1018, A1064, A2008 and adaptor assembly of the A2009 MAYFIELD® Ultra 360™ Patient positioning system.

Catalog No. A1109



MAYFIELD® Triad horseshoe conversion adaptor with knobs

Allows an A1012 MAYFIELD® horseshoe headrest to attach to standard transition members.

- Provides a means of obtaining chin-to-chest positioning.

Catalog No. A1110



BUDDE® Halo Side Rail Support

Allows the BUDDE® Halo retractor system to attach directly to the operating table.

Catalog No. A1067



MAYFIELD® Base Units (A2101, A2009, A3101)

Indications: MAYFIELD® Base Units are designed for patient positioning in the prone, supine, and sitting positions.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Base Units (A2079, A2079E)

Indications: The Infinity XR2 Base Unit is intended to be used to support a patient during diagnostic examination and/or surgical procedures where a rigid support between surgical table and headrest, or skull clamp is necessary, positional freedom is required and where X-ray imaging modalities will be used.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Spine Table Adaptors (A2600M, A2600R)

Indications: The MAYFIELD® Spine Table Adaptor is intended to be used to support a patient during diagnostic examination and/or surgical procedures where a rigid support between the carbon composite parallel rails style of surgery table and the skull clamp or headrest is necessary and positional freedom is required. (Item number A2600R is indicated for use when X-ray imaging modalities are required)

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Swivel Adaptors (A1018, A1115, A1064, A2008, A1116, A3018, A3008)

Indications: MAYFIELD® Swivel Adaptors are designed to provide greater flexibility in positioning the patient's head by allowing rotation in 360 degrees.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Skull Clamps (A1114, A1108, A1059, A2000, A3059, A2114)

Indications: MAYFIELD® Skull Clamps are designed to give rigid skeletal fixation and allow the surgeon more freedom in positioning the fixation pins.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Adult and Pediatric Reusable skull pins (steel) (A1047, A1048)

Indications: The MAYFIELD Reusable Adult (REF A1047) and Child (REF A1048) Skull Pins are used in conjunction with all generations of MAYFIELD brand Skull Clamps (REF A1013, A1014, A1059, A1108, or A2000), MAYFIELD brand Radiolucent Skull Clamps (REF A1058 or A2002), and the Improved GARDNER brand Skull Clamp (REF A1035) when rigid skeletal fixation is required. These pins are made of stainless steel and are removable for sterilization and reuse.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Adult and Pediatric Disposable skull pins (steel) (A1083, A1084, A1072)

Indications: The MAYFIELD® Disposable Skull Pins, Adult- Plastic Base (REF A1072), Adult- Stainless Steel (REF A1083), or Child Stainless Steel (REF A1084) are used in conjunction with all generations of MAYFIELD brand Skull Clamps (REF A1013, A1014, A1059, A1108, or A2000), MAYFIELD brand Radiolucent Skull Clamps (REF A1058 or A2002), and the Improved GARDNER brand Skull Clamp (REF A1035) when rigid skeletal fixation is required.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Adult Reusable Radiolucent skull pin (A2020)

Indications: The MAYFIELD® Radiolucent Skull pins (REF A2020) are intended for use with a skull clamp that is placed on the patient's skull to hold the head and neck in a particular position during surgical procedures where rigid skeletal fixation is desired and intra-operative CT or MR imaging is used.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Adult and Pediatric Reusable skull pins (Titanium) (A1121, A1122)

Indications: The MAYFIELD Reusable Titanium Skull Pins (REF A1121, A 1122) are intended for use with a MAYFIELD skull clamp that is placed on the patient's skull to hold their head and neck in a particular position during surgical procedures where rigid skeletal fixation is desired and intra-operative MR imaging is used. The MAYFIELD Reusable Titanium Skull Pins (REF A1121, A1122) are indicated for use in open and percutaneous craniotomies and spinal surgeries when rigid skeletal fixation is necessary and when intra-operative MR imaging of the patient is used.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Adult and Pediatric Disposable skull pins (Titanium) (A1120, A1119)

Indications: The MAYFIELD® Disposable Titanium Skull Pins (REF A1119 and A1120) are intended for use with a MAYFIELD® skull clamp that is placed on the patient's skull to hold their head and neck in a particular position during surgical procedures where rigid skeletal fixation is desired and intra-operative MR imaging is used.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Adult and Pediatric Horseshoe Headrests (A1012, A1011, A1051, A2010, A2011)

Indications: MAYFIELD Swivel Horseshoe Headrests are designed for the prone and supine positions.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

Papadopoulos Posterior Cervical Spine (PCS) Support (A1073)

Indications: The Papadopoulos Posterior Cervical Spine (P.C.S.) Support (REF A1073) is designed for anterior cervical spine surgery and instrumentation. The instrument supports the cervical spine in an anatomic position and allows easy access for the surgeon and radiologic imaging equipment. The P.C.S. Support is made of a radiolucent material and is adjustable in three planes: anterior-posterior, rostral-caudal, and medial-lateral.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® General Purpose Headrest (A1008)

Indications: The MAYFIELD General Purpose Headrest (REF A1008) is designed for the supine or semi-sitting positions. The MAYFIELD Ultra Base Unit (REF A2101) with its Transitional Member and either the MAYFIELD Ball Socket Swivel Adapter (REF A1064), the MAYFIELD Swivel Adapter (REF A1018), or the MAYFIELD Tri-Star Adapter (REF A2008) are required when using the MAYFIELD General Purpose Headrest. This system permits support of the head when rigid skeletal fixation is not needed.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Infinity Support System (A1112)

Indications: The MAYFIELD Infinity Support System is a headrest support device that attaches to any MAYFIELD Base Unit Support Rods (A2101 or older models), creating a method for simultaneous application of a Headrest (adult, pediatric, or general purpose) and a Skull Clamp (ages 5+).

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

BUDDE® Halo Retractor System (A1040)

Indications: The BUDDE® Halo Neurosurgical Retractor System (REF A1040) was designed for use in all intercranial procedures where retraction of delicate brain tissue is required. The BUDDE Halo Retractor is used in conjunction with the MAYFIELD Skull Clamps (REF A1013, A1014, A1059, A1108 & A2000) or the MAYFIELD Radiolucent Skull Clamps (REF A1058 & A2002). The BUDDE Halo Retractor attaches to the skull clamp after the sterile draping process has been completed. For those intercranial procedures in which a conventional skull clamp is not employed (i.e. pediatric brain surgery), the BUDDE Halo Retractor is used in conjunction with the BUDDE Halo Side Rail Support (REF A1067) to secure the system to the side rails of the operating room table.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

Integra Brain retractor system (A2012)

Indications: The Integra Brain Retractor System is indicated for retraction of brain tissue during neurosurgical procedures. The Integra Brain Retractor may be used in conjunction with MAYFIELD Skull Clamps (REF A1013, A1014, A1059, A1108, A1114, and A2000) or may attach to the side rails of the operating room table. The Integra Brain Retractor System also serves to support and position various instruments and handrests.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

BUDDE® Halo Radiolucent Retractor System (A1096)

Indications: The BUDDE Halo Radiolucent Retractor System (REF A1096) is designed to reduce or limit artifact during intracranial procedures where retraction of delicate brain tissue is required. The BUDDE Halo Radiolucent Retractor is used in conjunction with the MAYFIELD Skull Clamp (typically the MAYFIELD Radiolucent Skull Clamp REF A2002). The BUDDE Halo Radiolucent Retractor attaches to the skull clamp after the sterile draping process is complete.

Contraindications: Do not use for other indications than the ones specified in the instruction for use.

MAYFIELD® NeuroGen Adaptor (A1113)

Indications: The MAYFIELD NeuroGen Adaptor (REF A1113) is designed for use as an adaptor to mount the MAYFIELD Base Unit to the operating table when the table's receptacle holes are not appropriate or present. An adjustable end bracket allows the NeuroGen Adaptor to fit a wide variety of operating room tables. The NeuroGen can also be stored directly to the operating room table without interfering with other surgical procedures.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Crossbar Adaptor (A1015)

Indications: The MAYFIELD Crossbar Adaptor (REF A1015 & A1016) is designed for procedures requiring sitting positions, primarily the posterior fossa craniotomy and the posterior cervicallaminectomy when performed in the sitting position.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Universal Side Rail Fitting (A1060)

Indications: The MAYFIELD Universal Side Rail Fitting (REF A1060) is designed for the attachment of the MAYFIELD Crossbar Adaptor (REF A1015 or A1016), Garreston Overhead Instrument Table (REF A1053), and the BUDDE Halo Retractor Side Rail Support (REF A1067) to the side rails of the operating room table when the table's rail fittings are not appropriate or present.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

INTEGRA™ Cranial Stabilisation Covers (A1118)

Indications: Integra® Cranial Stabilization Covers are used to cover MAYFIELD® base units, swivel adapters, and skull clamps. The Covers are used to protect the equipment from contamination during surgical procedures.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Instrument Wall Storage Unit (A1023)

Indications: The MAYFIELD Wall Storage Unit (REF A1023) is designed for the storage of the complete MAYFIELD Neurosurgical Headrest System. Each instrument silhouette is printed on the board to ensure easy and proper storage. Each MAYFIELD Headrest component is placed on a specific custom-made holding bracket.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

MAYFIELD® Horseshoe Conversion Adaptor (A1109)**MAYFIELD® Triad Horseshoe Conversion Adaptor with Knobs (A1110)**

Indications: The Mayfield Horseshoe Conversion Adaptors (REF A1109, A1110) were designed to allow for the attachment of the Horseshoe Headrest (REF A1011) to attach to Mayfield Swivel adapters (REF A1018, A1064, or A2008). Also, the Horseshoe Conversion Adapter with knobs (REF A1110) allows for the attachment of Horseshoe Headrest (REF A1012) to attach directly to the standard 6" transitional member (REF S41B1171).

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

BUDDE® Halo Side Rail Support (A1067)

Indications: The BUDDE® Halo Retractor Side Rail Support (REF A1067) is designed for the adaptation and attachment of the BUDDE® Halo Brain Retractor System (REF A1040) to the operating room table when a conventional skull clamp is not employed. The Side Rail Support allows for the BUDDE® Halo Brain Retractor to be used for pediatric brain surgery of all types and the ontological surgical approach to acoustic neuromas. BUDDE® Halo Retractor Side Rail Support is used in conjunction with the MAYFIELD® Universal Side Rail Fittings (REF A1060) to securely attach the BUDDE® Halo Brain Retractor to the side rails of the operating room table.

Contraindications: Do not use for other indications than the ones specified in the instructions for use.

Products
References

A

Adult Disposable Skull Pins.....	15
Adult Horseshoe Headrests	16
Adult Radiolucent Disposable Skull Pins	15
Adult Radiolucent Horseshoe Headrest.....	24
Adult Reusable Skull Pins	14

B

Ball Socket Swivel Adaptor.....	10
Brain Retractor-Blade.....	30
BUDDE® Halo Radiolucent Retractor System	29
BUDDE® Halo Retractor System	26
BUDDE® Halo Side Rail Support.....	26, 34

C

Child's Rocker Arm	21
Cranial Stabilisation Covers	33
Crossbar Adaptor.....	32

F

Force Module & Metal-free Conversion Accessory	25
--	----

G

General Purpose Headrest.....	17
-------------------------------	----

H

Horseshoe Conversion Adaptor	34
Horseshoe Headrest Gel Pads.....	18

I

Infinity Adult Horseshoe	19
Infinity Coupler	18
Infinity General Purpose Headrest	19
Infinity Pediatric Horseshoe.....	19
Infinity Skull Clamp System	12, 20
Infinity Support System	18
Infinity XR2 Base Units	22
Infinity XR2 Skull Clamp.....	23
Infinity XR2 Tri-Star Swivel Adaptor	25
Instrument Wall Storage Unit.....	33
Integra Brain retractor system	29

L

Link Arm Extensions.....	25
--------------------------	----

M

MAYFIELD®2 Skull Clamp	7
MAYFIELD®2 Standard Base Unit	7
MAYFIELD®2 TriStar Swivel Adaptor	7
Modified Skull Clamp	13
Modified Swivel Adaptor	10
Modified TriStar Swivel Adaptor.....	11

N

NeuroGen Adaptor	32
------------------------	----

P

Papadopoulos Posterior Cervical Spine (PCS) Support.....	17
Pediatric Disposable Skull Pins.....	15
Pediatric Horseshoe Headrest	17
Pediatric Radiolucent Horseshoe Headrest	24
Pediatric Reusable Skull Pins	14

R

Radiolucent Spine Table Adaptor	23
Removable Child Rocker Arm	25
Removable Rocker Arm.....	23

S

Single Pin Accessory	21
Spine Table Adaptor Metal.....	9
Standard Adult Rocker Arm.....	21
Swivel Adaptor	10

T

Torque Screw.....	20
Triad Horseshoe Conversion Adaptor with Knobs.....	34
Triad Rocker Arm.....	21
Triad Skull Clamp	12
TriStar Swivel Adaptor.....	11

U

Ultra 360 Patient Positioning System.....	8
Ultra Base Unit	8
Universal Side Rail Fitting.....	33

#

A1008	17	S419A1050	18, 19	438A1155 A,B,C,D	26, 28, 31
A1011	16	S419A1060	18	438A1157 A,B,C,D	26, 28, 31
A1012	16	S419A1207	20, 21	438A1200A	26, 28, 31
A1015	32	S419A1208	20	438A1200B	26, 28, 31
A1018	10	S419A1209	20	439A1091	25
A1023	33	S419A1250	20	439A1092	25
A1040	26	S419B1010	18	439A1093	25
A1047	14	S419B1204	20, 21	439A1094	23
A1048	14	S419B1205	20, 21		
A1051	17	S419B1206	20, 21		
A1059	13	S41A1482	20		
A1060	33	S41A1614	8		
A1064	10, 16	S41B1615	8		
A1067	26, 34	S41C1444	18		
A1072	15	S41C1445	18		
A1073	17	S438A1011	26		
A1083	15	S438A1012	26		
A1084	15	S438A1024	26		
A1096	29	S438A1037	26, 28		
A1108	12	S438A1096	26		
A1109	34	S438A1140	26, 28, 30		
A1110	34	S438A1188	26		
A1112	18	S438B1010	26		
A1113	32	S438B1178	26		
A1114	12, 20	S440C1011	18		
A1115	10	S440C1012	18		
A1116	11	S443A1000	28		
A1118	33	S443A1004	28		
A1119	15	S443A1005	28		
A1120	15	S443A1060	28		
A1121	14	S443A1070A	28		
A1122	14	S443A1070B	28		
A2000	13	S443A1070C	28		
A2008	11	S443B1052	28		
A2009	8	417A1000	29		
A2010	24	417A1001	29		
A2011	24	417A1002	29		
A2012	27	417A1003	29		
A2020	15	417A1004	29		
A2079	22	417A1005	29, 30		
A2079E	22	417A1006	29, 30		
A2101	8, 16, 18	417A1007	29, 30		
A2111	25	417A1008	29, 30		
A2114	22, 23, 29	417A1009	29, 30		
A2600M	9	417A1010	29		
A2600R	23	437A2224	25		
A3008	7	437A2225	25		
A3018	7	438A1077 A,B,C,D,X	26, 28, 30		
A3059	7	438A1082 A,B,C	26, 28, 30		
A3101	7	438A1083 A,B,C	26, 28, 30		
S419A1030	18, 19	438A1151 A,B,C,D	26, 28, 31		
S419A1031	18, 19	438A1152 A,B,C,D	26, 28, 31		
S419A1048	18	438A1154 B,C,D,E	26, 28, 30		

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