MEDITECH

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### PROFESSIONALITY

Focus on Neurosurgery for over 20 years, with rich experience and technical accumulation

### QUALITY

With ISO13485 and CE certificate, guarantees good product quality

### INNOVATION

Guided by clinical needs, continuous development and innovation

### SERVICE

Fast, active and responsible pre-sale and after-sale service, worry-free in whole service life

CE

ISO 13485:2016

# A CRANIAL STABILIZATION SYSTEM

# HDJ-IV A800 Cranial Stabilization System

It is designed for DSA, CT, MRI and Fluoroscopy,aim to meet the clinical demands on neuro, spinal and interventional therapy.

The system have a“ metal-free” option, plus the synthetic Sapphire-Carbon composite skull pin, could meet the requirement in MRI room and provide a good control on minimal imaging artifact.

1. Stable, high-precision 3-point fixation of the head during surgery.




2. Torque screw make the skull pin pressure visualization.

3. Suit for both for children and adults.

4. Easy fixation and best view.

5. Fixation of patient in prone, supine, lateral

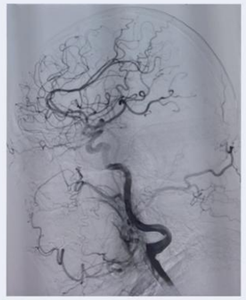


8. Unique pitching adjusting joint provide more flexibility on position setting.

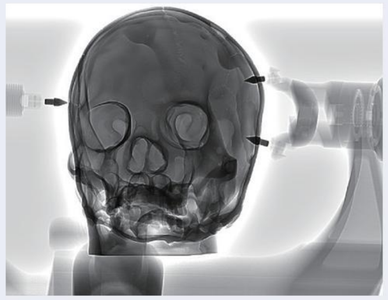
6. Could compatible with most DSA carbon table after replace with DSA table adapt base unit. Accept customization to adapt special table.

7. Horizontal bar provides a wide imaging window - full, side-to-side lateral positioning(24 inches/61cm)

| Component | |
|---|---|
| Description | Code |
| Head Clamp | HA82016 |
| Swivel Adaptor | HA83016 |
| Extension Member | HA84116 |
| Transitional Member | HA84026 |
| Universal Base Unit | HA84106 |
| Composite Skull Pin (Adult) | HA01016 |



DSA image with Radiolucent Skull Clamp in use



Skull Clamp under Fluoroscopy version



# HDJ-IV A800 Cranial Stabilization System



70mm-240mm

## Head Clamp

Code: HA82016

- Pressure visualized.
- Easy lock dual pin holder.
- Whole material is metal free.



## Swivel Adaptor

Code: HA83016

- Adjustable on both horizontal and vertical planes.
- Whole material is metal free.



## Transitional Member

Code: HA84026

- Length 20cm.
- Make more distance between base unit and swivel adaptor.
- Use with extension member HA84116.
- Whole material is metal free.



## Extension Member

Code: HA84116

- Length 15cm.
- Used when need more length of base and more Angle adjustment range.
- Use with 20cm transitional member HA84026.
- Whole material is metal free.

## Base Unit

Code: HA84106

- Universal table clamp,could match with both US&Europe model side rail.
- Adjustable on width, pitch angle.
- Table clamp part is aluminum and stainless steel,others metal free.



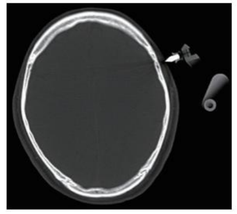
# HDJ-IV A800 Cranial Stabilization System



## Radiolucent Skull Pins

Code: HA01016(Adult)/HA01026(Pediatric)

- Titanium pin tip plus composite material base, good imaging performance.



Under CT version



## Transitional Member

Code: HA84016

- Length 15cm.
- Used when no request on the extension distance.



## Headrest & Traction

Code: HA85016(Headrest)
HA85036(Traction)

- Whole part is metal free.
- Gel pad provide good hemo-dynamic performance.



Radiolucent Headrest
Traction System



# HDJ-II A600 Cranial Stabilization System

All Parts are Cutting from High performance Aluminum Alloy with CNC machine, high strength, better than the casting skull clamp. Surface harden treatment, more durable, anticorrosion and less light reflection.

Torque Screw
Visual setup for the pin pressure, ensure the safety of surgery.





Quarter Lock Handle
One quarter to lock, simple and efficient operation.



| Component | |
|---|---|
| Description | Code |
| Head Clamp | HA62011G |
| Swivel Adaptor | HA03011G |
| Base Unit | HA64011G |
| Gel pad Headrest | HA65011G |
| Adult Skull Pin | HA01013P |
| Child Skull Pin | HA01023P |



Crocodile Teeth
Unique Crocodile Teeth design, provide firmly connect with C-clamp. Make a strong support to the accessories. It also could protect the clamp arms, extend it's service life.

# HDJ-II A600 Cranial Stabilization System



## Head clamp

Code: HA62011G

- Quarter lock rock arm, one quarter to lock, simple and efficient operation.
- Visual setup for the pin pressure, ensure the safety of surgery.
- Crocodile Teeth design, providing stable and firm attachment support.
- Clamping distance from 12cm to 24cm, compatible with adults and children.
- 13 cm depth, meeting the needs of most skull size.
- Compatible with DORO & Mayfield.



## Swivel Adaptor

Code: HA03011G

- Horizontal adjustment range: 360 degree, Vertical adjustment range: 270 degree
  Stable, durable, and easy setting the position.
- Compatible with DORO & Mayfield.



## Base Unit

Code: HA64011G

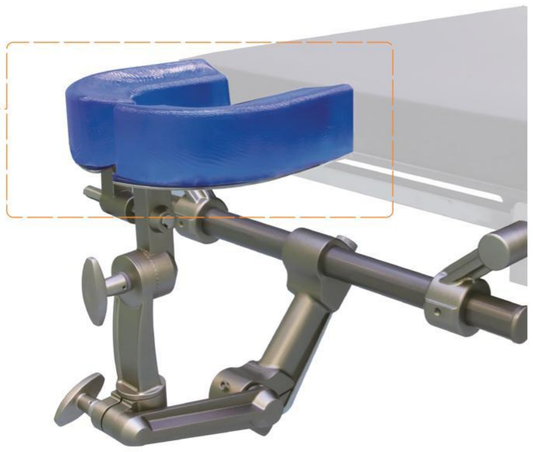
- Width adjustment range of 100mm-560mm, suitable for most of OT table.
- Standard size of the connect rod is ϕ14mm, also have 12mm, 16mm, 18mm and other options to match the OT table.
- Bearing capacity over 35kg.
- Compatible with DORO & Mayfield.



## Gel Pad Headrest

Code: HA65011G

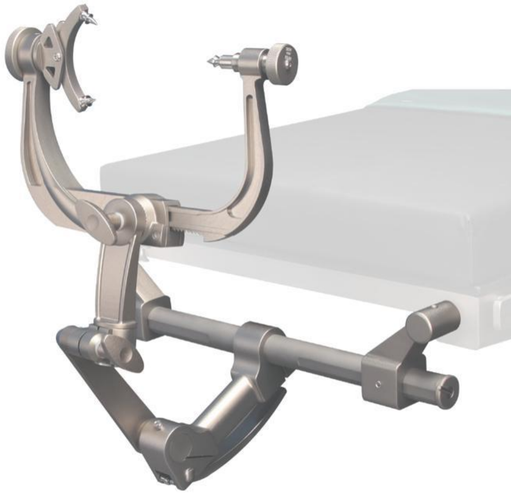
- Providing support in the prone or supine position for adults and children.
- Adjustable pad base could fit various head sizes.
- Providing good hemodynamic performance and preventing bedsore during operation.
- The pad could be soaked in warm water in advance to reducing the loss of body-temperature during long-term operation.
- Compatible with DORO & Mayfield.





# HDJ-II A500 Cranial Stabilization System

Three-pin positioning design, supported by high standard processing control, small assembly clearance and stable locking, effectively provide a firm skull support.
Light-weight structure design, easy to handle and set.
Surface harden treatment, more durable, anticorrosion and less light reflection.





## Head Clamp

Code: HA52011G

- Light-weight structure design.
- Quarter lock rock arm, one quarter to lock, simple and efficient operation.
- Visual setup for the pin pressure, ensure the safety of surgery.
- Clamping distance 12cm-24cm, compatible with adult and children head clamp.
- Depth 13cm, meeting the most needs of skull size.



## Swivel Adaptor

Code: HA03011G

- Horizontal adjustment range: 360 degree, Vertical adjustment range: 270 degree
- Stable, durable, and easy for proper adjustment after the patient fixed on the clamp.



## Base unit

Code: HA54011G

- Width adjustment range of 100mm-560mm, suitable for most of OT table.
- Standard size of the connect rod is ϕ14mm, also have 12mm, 16mm, 18mm and other options to match the OT table.
- Bearing capacity over 35kg, without shaking.



## Silica Headrest

Code: HA55011G

- Providing support in the prone or supine position for adults and children.
- Adjustable pad base could fit various head sizes.

| Component | | | | | | |
|---|---|---|---|---|---|---|
| Description | Head Clamp | Swivel Adaptor | Base Unit | Silica Headrest | Adult Skull Pin | Child Skull Pin |
| Code | HA52011G | HA03011G | HA54011G | HA55011G | HA01013P | HA01023P |

# CRANIAL STABILIZATION SYSTEM ACCESSORIES



## Noninvasive Skull Clamp

- Gel pad and skull clamp could be switched quickly
- Middle gel pad could be adjusted up and down
- Easy set up and use
- Normally use for 0~2 years newborn patients or patients whose skull could’ t bear the pressure of skull pins

Code: HA72011G



## Gel Pad Headresting with traction

- Support supine and prone positions in Neuro, ENT and eye surgery
- The distance between two pads could be adjusted, both fine for adults and children
- Gel pad could effectively prevent bedsore caused by prolonged surgery
- Traction arm provides better view for surgery

Code: HA65021G



## Ball Socket Adaptor

- Horizontal adjustment range: 360°
  Vertical adjustment range: 90°
- Compatible with Doro & Mayfield

Code: HA03021G



## Navigation Adaptor

Code: HR07021G



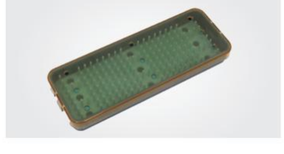
## Adult skull pin

Code: HA01013P



## Pediatric skull pin

Code: HA01023P



## Sterilizing Container

Produced by high polymer material,
with silica pad, could protect the pins well

Code: HA01800P



# CRANIAL STABILIZATION SYSTEM ACCESSORIES



## Cross Bar

- Apply to sitting positipon
- Adapt to most operating tables

Code: HA07031G

## Table Adaptor

- Adapt to most operating tables
- Support lateral position

Code: HA07013P





## Anatomy skull clamp

- Could be placed on the desktop
- Quick-lock base
- With ball socket adaptor, easy set and use

Code: A903

## Teflon® Coating Skull Clamp

- Autoclavable
- With US DuPont Teflon® coating
- Antisticking and easy-cleaning
- Other tech info same with A600 skull clamp

Code: A602



BRAIN RETRACTOR SYSTEM

# B

## HDR-II R800 Brain Retractor System (HALO)





Half-Ring



**HALO Ring** HR83011G



**Support Bar** HR82013Y



**C Clamp for HALO** HR81013Y



**HALO Leyla retractor**

250mm HR04253Y

### Main feature:

- The HALO ring could be adjusted at any angle, as well as folding in half. Maximizing the view and provide the hand support during surgery.
- Quick rail design, the retractor could be firmly docking on it at any position.
- Light weight design, easy handle and set up, high performance aluminum alloy guaranty both the strength and durability.
- C clamp could be firmly connected with A600 skull clamp, also adapt to the other brand skull clamps.

| Component | | | | | | | |
|---|---|---|---|---|---|---|---|
| Description | HALO Ring | Support Bar | C Clamp for HALO | HALO Leyla retractor | HALO Brain Blade | HALO Pattie Tray | Universal Key |
| Code | HR83011G | HR82013Y | HR81013Y | HR04253Y | A complete set | HR07013Y | HR00013Y |

# HDR-I R700 BRAIN RETRACTOR SYSTEM (J-ARM)

## Product Feature :

- Two J-arms could be fixed on the skull clamp and adjusted at suitable height & angle.
- Quick rail design, the retractor could be firmly locking on it at any position, could provide the hand support during surgery.
- Light weight design, easy handle and set up, high performance aluminum alloy guaranty both the strength and durability.





**HALO Brain Blade**

HR05013Y: 152*6mm
HR05023Y: 152*10mm
HR05033Y: 152*16mm
HR05043Y: 152*19mm
HR05053Y: 152*25mm



**C Clamp for J-Arm**

HR71013Y



**J-Arm**

HR73011G

| Component | | | | | |
|---|---|---|---|---|---|
| Description | C Clamp for J-Arm | J-Arm | HALO Leyla retractor | HALO Brain Blade | HALO Pattie Tray |
| Code | HR71013Y | HR73011G | HR04253Y | A complete set | HR07013Y |



# HDR-I R300 BRAIN RETRACTOR SYSTEM



## FIXATION MOUNT

- Fixed on the side rail of OT-table, the ball socket table adaptor could adjust at any angle, easy set and quick mounting leyla retractor.

Code: R300



**Ball Socket Adaptor**

360°Adjustment
HR31013Y



**Support Rod(straight)**

340mm
HR32013Y



**Support Rod(angled)**

420mm
HR32023Y



**Leyla adaptor**

HR33013Y



**Leyla Retractor**

Quick Lock
HR90103Y: 350mm
HR90203Y: 400mm
HR90303Y: 450mm



**Brain Blade**

HN40123Y: 200*12mm
HN40143Y: 200*14mm
HN40163Y: 200*16mm
HN40183Y: 200*18mm
HN40203Y: 200*20mm

| Component | | | | | | |
|---|---|---|---|---|---|---|
| Description | Ball Socket Adaptor | Support Rod (straight) | Support Rod (angled) | Retractor arm connector | Leyla Retractor | Brain Blade |
| Code | HR31013Y | HR32013Y | HR32023Y | HR33013Y | HR90103Y | HN40123Y |

# HDR-I R400 BRAIN RETRACTOR SYSTEM



## Martin's Arm Retractor

- Unique locking structure provides excellent load-bearing performance, without loosen at max 5KG load.
- Multifunctional purpose, could be used as instrument holder, retractor holder, endoscopes holder and brain retractor frame. Could meet the various demands in OT room safety and quickly.

Code: R400



**Table Adaptor**

50mm
HR41013Y



**Support rod**

400mm(H)*120mm
HR42013Y



**Universal Arm**

Vertical adjustment range: 360°
HR43013Y

## Instrument Holder:



**Instrument Holder**

Material: Stainless steel
Clamping range: 6-10mm
Suitable for retractor and inst-rument
HR44013Y



**Endoscope Holder (Side)**

Material: Aluminum alloy
Range: 10-25mm
Suitable for endoscope,working channels and instruments
HR44023Y



**Endoscope Holder (Front)**

Material: Aluminum alloy + Polymer material
Range: 3-22mm
Suitable for endoscope & instruments
HR44033Y

| Standard Component | | | | |
|---|---|---|---|---|
| Description | Table Adaptor | Support rod | Universal Arm | Instrument Holder |
| Code | HR41013Y | HR42013Y | HR43013Y | HR44013Y |



# BRAIN RETRACTOR SYSTEM ACCESSORIES



**HALO Brain Blade - Coated**

HR05013D:152*6mm
HR05023D:152*10mm
HR05033D:152*16mm
HR05043D:152*19mm
HR05053D:152*25mm



**Micro Brain Blade**

HR06013Y:114*2mm
HR06023Y:114*4mm
HR06033Y:140*2mm
HR06043Y:140*4mm
HR06053Y:165*2mm
HR06063Y:165*4mm



**HALO Pattie tray**

HR07013Y



**Brain Blade - Coated**

HN40123D:200*12mm
HN40143D:200*14mm
HN40163D:200*16mm
HN40183D:200*18mm
HN40203D:200*20mm



**Skull Adaptor**

HR90033Y
Clamp on skull to adapt Leyla arm.



**Standard Adaptor**

Fix on skull clamp to fix Leyla arm.Compatible with any skull clamp. Compatible with other brands of Leyla retractor such as Aesculap.
HR90013Y



**C-clamp for Leyla Retractor**

HR90033Y



**HALO Leyla retractor**

HR04253Y:250mm
HR04303Y:300mm
HR04353Y:350mm



**Universal Key**

HR00013Y