

Hip Distraction System

Brochure



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An Advanced Solution for Supine Hip Arthroscopy Procedures

Designed for supine arthroscopic procedures of the hip, the Hip Distraction System is an advanced limb traction and lower extremity positioning system that can be used with or without a perineal post and pad. The next-generation Hip Distraction System includes clearly marked intuitive controls to facilitate preoperative patient setup and intraoperative changes in patient positioning, taking the guesswork out of system operation.

The entire system is engineered out of carbon fiber, aluminum, and other lightweight and stiff materials that provide maximum rigidity and minimal flex to ensure that joint distraction forces are not lost throughout the length of the system. This also reduces the overall weight to facilitate portability from storage to operating room.

The leg spars each feature identical Teletrac Carriages with gross and fine traction controls that allow fluid movement of the leg through the ranges of motion necessary during hip arthroscopy. Hip flexion, extension, abduction, and adduction are controlled using the individual operating handles on the ends of each leg spar.



The novel traction boots provide the most secure attachment for the patient's foot and ankle with minimal heel lift-off and maximum protection. Each easily controlled boot can be detached quickly from the carriage during the procedure to access hip range of motion. Built-in windows on the boots allow access to the foot and ankle to check circulatory status and foot position.



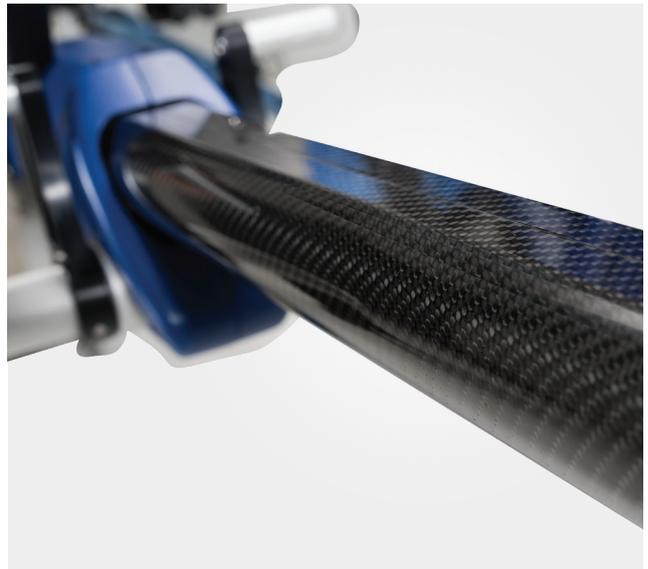
One-person assembly is quick and secure on most standard OR beds with specially designed Clark Rail Adapters. Store and transport the system to the OR using the purposefully designed cart.

Features and Benefits



Intuitive Connections and Locking Mechanisms

- Rigid and secure subcomponent connections easily fit together
- Locking mechanisms are clearly labeled and function smoothly
- Actuation levers are clearly labeled and intuitive



Rigid and Lightweight Materials

- Carbon fiber, aluminum, and other lightweight materials contribute to a rigid and manageable system that one person can easily transport and assemble
- Rugged construction can withstand multiple assemblies, disassemblies, and procedures, providing a long and useful product lifespan

Optional Perineal Post System

- Allows for easy insertion and removal during the operative procedure without violating the sterile field
- Novel chamfered Perineal Post Pad does not impede instrument motion when the patient is not under distraction





Unique Postless Pad System

- Easily fits onto OR table with three straps
- Has a laser line to indicate where to position the patient



Legs Spars With Equal Traction Functionality

- Facilitates patient positioning and leg traction to adequately and safely balance the pelvis and distribute traction forces equally across the perineal post
- Both spars mirror internal and external leg rotation, dorsiflexion, plantarflexion, gross traction, and fine traction
- The nonoperative spar allows for abduction and adduction of the leg
- The operative spar allows for abduction and adduction of the leg as well as flexion and extension via separate mechanisms
- The Teletrac Carriages on each spar have a wheel system that easily slides over the carbon fiber frame to facilitate adequate gross traction



Detachable Traction Boots

- The intuitive ratcheting system on the instep pad secures the foot against the traction boot shell in minimal steps
- Large cutout on the back of the boot allows for proper placement and visualization of the heel during the procedure



Stabilizer Leg (optional component)

- Pneumatic stabilization option to provide stability to the operative leg spar
- Features a wheel to allow for movement and placement out-of-range of a C-arm



Dedicated Disposable Pad Kits

- All-inclusive kit for use with a perineal post includes two foam foot boots and one post pad cover **(a)**
- Postless kit option includes a postless pad, two foam boots, and a drawsheet to help with patient manipulation **(b)**
- Single-use foot boots include simple directions printed on the foam

Ordering Information

Hip Distraction System (HDS) (AR-6529S)

Product Description	Item Number
Components (Included w/ AR-6529S)	
HDS patient platform	AR-6529-01
HDS patient platform pad	AR-6529-02
HDS prep table	AR-6529-03
HDS prep table pad	AR-6529-04
HDS operative leg spar, long	AR-6529-05L
HDS traction boot II, qty. 2	AR-6529-23
HDS perineal post	AR-6529-07
HDS perineal post pad	AR-6529-08
HDS table clamp (US), qty. 2	AR-6529-09
HDS well leg spar, long	AR-6529-14L
HDS well leg spar adapter	AR-6529-15
Accessory Components (Not Included w/ AR-6529S)	
HDS operative spar cover	AR-6529-12
HDS storage cart	AR-6529-13
HDS stabilizer leg	AR-6529-16
HDS traction boot (AR-6529-06) replacement pads	AR-6529-17
HDS perineal post pad, dense	AR-6529-21
Replacement Instep pad, for HDS traction boot II	AR-6529-24
Replacement posterior pad, for HDS traction boot II	AR-6529-25
Single-Use Disposables	
HDS Disposables Kit	AR-6529-11
HDS Postless Hip Arthroscopy Disposables Kit	AR-6529-22
International Rail Clamps (Not Included w/ AR-6529S)	
HDS table clamp (EU), qty. 2	AR-6529-10
HDS table clamp (UK), qty. 2	AR-6529-18
HDS table clamp (DEN), qty. 2	AR-6529-19
HDS table clamp (JP), qty. 2	AR-6529-20



This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience, and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level and/or outcomes.

View U.S. patent information at www.arthrex.com/corporate/virtual-patent-marking

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