

Clinical Pearls



Total Knee Arthroplasty Setups

Hana® Orthopedic Surgery Table

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The Hana Knee Flexion System® (KFS) is designed to mount on the operative Leg Spar to support and position the leg as needed during Total Knee Arthroplasty (TKA). The KFS allows for full flexion/extension of the leg and knee as well as internal/ external rotation of the foot.



Note: This device is designed for use above the drapes in the sterile field. Prior to each patient use, inspect, clean, and sterilize the Knee Flexion System according to the hospital's protocol for reprocessing surgical instruments. Please refer to the Hana Orthopedic Surgery Table Owner's Manual for recommended sterilization parameters.

1. Table Setup and Patient Positioning

Please refer to Hana table Owner's Manual for detailed setup instructions and component identification.

At the discretion of the surgeon, the patient's non-operative leg will either be affixed to the Leg Spar using the Traction Boot, or it will be supported by the Well Leg Support Assembly (Figures 1 & 2). The Patient Transfer Board can be used to support the patient's legs prior to positioning and securing the non-operative leg and prepping the operative-side leg.

Transfer the patient to the table in the supine position and secure with the Patient Safety Strap. One person can secure the non-operative leg while another person holds the operative leg prior to prepping and draping. The Lower Leg Support for Hana can also be used to support the leg at this time.



Figure 1: Well Leg Support Assembly



Figure 2: Left and Right Leg Spar

2. Draping Hana for the Knee Flexion System



Note: Prior to draping, the Fine Traction must be fully collapsed towards the foot end of the Leg Spar by rotating the traction handle clockwise until it stops.



Drape the operative side Leg Spar and Traction Upright with a large, sterile drape, making sure to cover the spar from the proximal joint and distally over top of the Traction Upright. Maintaining sterile technique, position the distal end base of the KFS onto the Traction Upright post and tighten screw knob until secure.

After the leg is prepped, utilize foam padding and sterile adhesive wrap to secure the foot to the foot plate of the Knee Flexion System. Ensure the heel is fully seated in the foot plate, and that foot and ankle are in a neutral position.

3. Tips for using the Hana Knee Flexion System

Draping with standard blue drape is sufficient, but using clear drape will make attachment of the KFS easier. The clear drape provides increased intraoperative visualization and accessibility, especially in adjusting knee flexion by unlocking the Gross Traction knob on the Leg Spar (Figure 3).

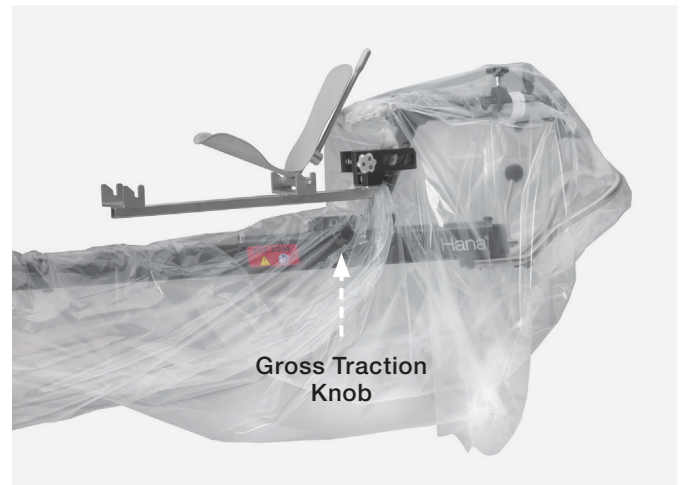


Figure 3

A second drape can be placed over the spar and the Gross Traction knob in order to provide more of a barrier to the sterile field.

Knee flexion can be adjusted easily utilizing the two positions (slots) on the KFS, and further by unlocking the Gross Traction knob. The KFS will smoothly move along the spar and the surgeon can relock the knob to hold the knee exactly in the desired amount of flexion.

Always ensure that the padding of the foot in the foot plate is considered during tibial alignment. Prepping the tibia with or without an ankle clamp is permissible without interference. If not using an ankle clamp, the surgeon should make sure that they can easily palpate the ankle and the big toe for vertical alignment of the tibial cutting block.

Hana®

The **Hana Orthopedic Surgery Table** is the first surgical table designed exclusively for hip and knee arthroplasty. It is a state-of-the-art orthopedic table that enables surgeons to perform a variety of fracture and orthopedic procedures, including the anterior approach for total hip replacements.



For product information contact your Mizuho OSI sales representative or call 1-800-777-4674.

Product Components



REF

6875-230 Hana Knee Flexion System®



30031 Ahern Avenue
Union City, CA 94587-1234 USA
Telephone: 510-429-1500
Toll Free: 800-777-4674
Fax: 510-429-8500
Outside USA: +1-510-429-1500
mizuho.com
newhipnews.com

EC REP

Emergo Europe
Molenstraat 15
2513 BH The Hague
The Netherlands
Tel: (31) (0) 70 345-8570
Fax: (31) (0) 70 346-7299

CE

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