



# MPR TK3 Knee Positioning System

MPR-TK3



Instructions for Use



### Description

The MPR TK3 Knee Positioning System (MPR-TK3) is an assembly designed for use in Total Knee Arthroplasty procedures to position and hold the patient's leg.

The system is easy and quick to assemble and disassemble and comprises a boot with a ball joint connector, an adjustable block, a 24"-long base plate/rail, a locking clamp for positioning the assembly, and an over-the-rail universal clamp for attaching it to the table rail.

Reusable and single-use total knee pads are available. The reusable pad (MPR-ECOKNEE, see ACCESSORIES) is made from a biodegradable viscoelastic foam\* and maintains over 75% of its original strength and resilience after 20+ autoclave cycles. The single-use knee pads (MPR100211, see ACCESSORIES) are delivered sterile and eliminate all risk of contamination.

**NOTE:** This product requires a blade-style socket. It *will not* work with standard Clark sockets<sup>†</sup>.

\*Breaks down up to 90% under ASTM D5511.

<sup>†</sup>Compatible with the MPR All-in-One Clark Socket (MPR-CS-AIO, see ACCESSORIES).

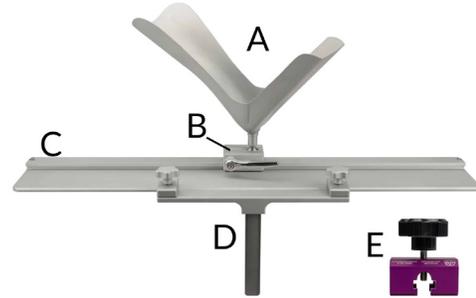
### Indications

For use during Total Knee Arthroplasty procedures to position and hold the leg.

### Cautions

- UNITED STATES FEDERAL LAW RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A PHYSICIAN.
- This product is provided non-sterile and must be properly cleaned prior to use. Refer to the CLEANING AND MAINTENANCE section on page 3 of this document.
- Prior to use, examine the instrument for possible damage and to ensure proper functioning.
- A surgeon *should not* attempt clinical use of this device before reviewing these instructions for use.

### Components



A	MPR-TK3-BOOT	Ball Joint Boot
B	MPR-TK3-BLOCK	Ball Joint Block
C	MPR-TK3-RAIL	Base Plate Rail - 24"
D	MPR-BMP	Base Plate Locking Clamp
E	MPR-ORUC	MPR Over-the-Rail Universal Clamp

### Accessories

REF	Description
MPR100211	MPR Sterile Total Knee Pad, Single Use
MPR-ECOKNEE	MPR Reusable Total Knee Pad
MPR-BC	MPR Basic Blade Side Rail Socket
MPR-800-0127	Spring Loaded Clamp
MPR-SRS	MPR Aluminum Side Rail Socket
MPR-CS-AIO	MPR All-in-One Clark Socket
MPR-URC	MPR Aluminum Universal Rail Clamp

### Instructions for Use

1. Place the TK3 Base Plate (MPR-TK3-RAIL) in the estimated area where the system will be used. Ensure that the surface is stable for accurate placement.
2. Attach the MPR Over-the-Rail Universal Clamp (MPR-ORUC) or other desired clamp or socket to the table rail in the general area where the system will be used. Insert the post of the Base Plate Locking Clamp (MPR-TK3-BMP) and secure.
3. Loosen the thumb-screws on the Base Plate Locking Clamp, until loose enough to accept the baseplate.

#### IF BLOCK & BASEPLATE ARE STORED SEPARATELY

4. Loosen and remove one of the set screws on either end of the plate. Then, loosen the block (MPR-TK3-BLOCK) until it can easily slide onto the rail.
5. Attach the block to the rail, ensuring that the locking lever is on the same side of the plate as the clamp. Tighten the block to secure.
6. Resecure the screw on the baseplate.
7. Insert the rail assembly into the locking clamp and secure. Test all connections for movement and ensure all points are sufficiently tightened.
8. Insert the ball joint connector of the boot (MPR-TK3-BOOT) into the socket on the block, and secure with the locking lever.
9. Insert a knee pad into the boot.

#### TO MOVE THE BLOCK Laterally

10. Loosen the thumb-screw on the block, and slide along the rail assembly.
11. Once the block is in the desired position, re-tighten the thumb-screw and test for any movement.

#### TO ADJUST THE BOOT'S POSITION

12. Turn the locking lever counter-clockwise to release the boot.
13. Once the boot can move freely, move it to the desired position, then turn the lever clockwise to resecure.

#### IF BLOCK DOES NOT TIGHTEN

14. Pull lever directly out away from block, and turn counter-clockwise as far as possible.
15. Let lever return to its original position against the block, then turn it clockwise.
16. Test the boot for any movement.

Follow your facility's protocol for draping the patient.

#### TO DISASSEMBLE THE SYSTEM

17. Release the boot from the block.
18. Remove one of the set screws on either end of the plate. Then, loosen the thumb-screw on the block until it can easily slide off of the rail and resecure the set screw.
19. Loosen the thumb-screws on the locking clamp, and slide the plate out.

## Cleaning & Maintenance

### HAND CLEANING

1. Soak the product in an enzyme solution. Follow the manufacturer's directions for dilution and soaking time.
2. Impacted material should be scrubbed out. However, steel wool or abrasive soap cleaners *should not* be used, as they may scratch the surface finish of the device.
3. Rinse the product in warm tap water, then soak or wipe down with a hospital- and/or EPA-approved germicide, before rinsing again.
4. Wash the product with an instrument detergent up to a pH of 9.0, then rinse again.
5. Dry thoroughly and wrap.

### WASHER CLEANING

1. Place components through washer/ decontaminator, per the manufacturer's instructions.
2. Prepare components for sterilization.

**NOTE:** Device must be cleaned prior to sterilization.

**NOTE:** The block and baseplate can be stored as a unit; however, they should be washed and sterilized separately.

## Sterilization

Ensure that all parts are properly cleaned, then sterilize components separately according to your facility's protocol.

### PRE-VACUUM STEAM STERILIZER

Temperature: 132°C/270°F

Minimum Cycle Time: 4 minutes

Minimum Drying Time: 30 minutes

Can be sterilized unwrapped or wrapped in two disposable or reusable wraps. Run normal vacuum cycle for your facility.

**NOTE:** *Do not* place this device in a milk bath or lubricate.



## MPR TK3 Knee Positioning System (MPR-TK3)

### Warranty

MPR Orthopedics products are guaranteed to be free from defects in material and workmanship for the warranty period for a particular product, *beginning from date of invoice*. Contact MPR Orthopedics for specific warranty information.

This limited warranty is restricted to repair or replacement by MPR Orthopedics, at its option, of any product found to be defective during the warranty period. Damage inflicted on a product by the user that causes it to be unsuitable for refurbishment may result in additional charges, regardless of warranty status. All warranties apply to the original buyer *only*.

In no event shall MPR Orthopedics be liable for any anticipation profits, consequential damages, or loss of time incurred by the buyer with the purchase or use of any product.

**NO OTHER WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN.**

**\*WARRANTY IS VALID FOR 1 YEAR**

### MPR Orthopedics Offers:

- Free trials on knee positioning systems.
- Repairs for non-working knee positioning systems.
- Trade-ins for excess equipment.
- Single-use knee pads.
- Reusable knee pads.
- Blade-style and universal clamps.

### For Further Information

If further information on this product is required, please contact MPR Orthopedics Customer Service at 800.524.5194 in the United States, or your authorized representative.

### Also Available

REF	Description
1320-000	MPR TKA Alvarado 3.0 System
1320-002	MPR TKA Radioluscent Alvarado 3.0 System
MPR-MIKP	MPR TKA Sliding System
MPR-MIKP-BJ	MPR TKA Ball Joint System
MPR-MIKP-BJ-2	MPR TKA Ball Joint System (Improved Design)
MPR-BTCASE	MPR Universal Total Knee Systems Case

**A stable, time-proven orthopedic product.**