



TC-PLUS[◇] SB

Product Information

 **smith&nephew**
TC-PLUS[◇] PRIMARY
Primary Knee System



PLUS SOLUTION
KNEE FAMILY

TC-PLUS[◇] SB

Based on the proven rotating platform concept.

Entirely compatible with the TC-PLUS knee system:

- Complete and interchangeable knee system (fixed, mobile and revision), with and without cement
- Anatomical design of the components
- Range of standard, ultracongruent and posterior-stabilised fixed bearing polyethylene
- Range of congruent mobile polyethylene, with conservation of PCL
- Simple and reproducible surgical technique based on respect for anatomy and ligamental balance
- Simple and versatile instrumentation
- Chrome-cobalt alloy and plasma spray coating of pure titanium



Fixed Bearing: TC-PLUS

Mobile Bearing: TC-PLUS SB

Compatibility

The tibial component of the SB prosthesis and its PE insert are perfectly compatible with the TC-PLUS femur.

This compatibility allows surgeons the intraoperative choice of using a mobile insert, a standard fixed insert or an ultracongruent fixed insert.

Size compatibility: The TC-PLUS SB Mobile bearing articular surfaces are designed to accommodate on site femoral component. Each side mobile articular surface can be matched with three different size tibial components (next size up or down).

Properties



The femoral component

- Congruent and anatomical design around 4 radii of curvature for maximum respect of kinematics.
- Proportional increases in size to accommodate all types of patients (morphological progression).
- Equivalent distal and posterior cut for easier adjustment of the extensor and ligamental system.
- Trochlea system with gentle gradient for better distribution of femoral/patellar pressures and good control of the femoral/tibial lever arm.



The PE insert

- Congruent and mobile surface to ensure good articular amplitude.
- Optimal contact surface for greater A/P and M/L stability and respect of the centres of rotation and control wear.
- Cut-out for use with PCL.
- Rotating platform with proven fixation system ensuring perfect transmission of load.
- Compatibility of sizes to preserve congruence of the femoral and tibial implants.



The tibial component

- Central peg system: proven fixation for good load transmission and resistance to rotation.
- Mirror-polished surface to ensure PE/tibia integrity and optimise peripheral sliding.
- Balanced increases in size for peripheral cortical and anatomical support.
- Anti-rotation fins for better resistance to rotational forces.



The patellar component

- Two PE heights to ensure normal articular kinematics and respect of the physiological thickness.
- Elliptical dome shape to ensure stability and to reduce wear.
- Self-centering of the implant in the trochlea.
- Simple, precise and interchangeable instrumentation for optimal reproducibility.

Manufacturer

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For further information please
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