



 **smith&nephew**  
**RT-PLUS<sup>®</sup>**  
Rotating Hinged Knee

Product Information



PLUS SOLUTION  
KNEE FAMILY

# Innovative solution for active patients

The system is based on the results of clinical tests. Due to the return of quality of life, the system enjoys a high level of patient satisfaction.

## Proven

In use since 1996

## Anatomical

Asymmetrical femoral component which corresponds to the TC-PLUS<sup>®</sup> knee system

## Compatible

Bone resection is compatible with the primary prosthesis (TC-PLUS)

## Bone-saving

Narrow femoral box (comparable to the PS component) enables minimal bone resection, which reduces the risk of femoral condylar fracture

## Flexible

Modular tibial inserts for individual intra-operative adjustment

## Kinematic

High range of motion with 130° flexion for the restoration of the physiological knee movement

## Stable

The 40 mm rotation peg provides security against luxation and enables stable distraction

## Combination

The implant is available in five sizes. Each size can be combined with the next larger or smaller size (except for the smallest size)

## Instruments

Practical and well presented – in the new EasyTray<sup>®</sup> System Tried and tested instruments to ensure a precise implantation



### Rotation peg

The 40 mm long rotation peg allows a stable distraction up to 20 mm, offering excellent protection against dislocation and maintaining the easy coupling of components.

The special design of the condyles creates a 9 mm physiological «roll-back», which improves the joint's flexion capacity. The peg also allows 10° physiological internal and external rotations from 15° flexion.



### Tibial insert

The special design of the tibial insert allows the joint to be individually adjusted to 3 heights and coupled without problems. Thanks to the assembly patented method, only minimal distraction of the knee joint is required.



### Augmentation blocks

The use of 10 mm cemented polyethylene blocks provides added height for compensating various tibial bone defects.



#### 4 Patellar groove

The patellar groove is deeply hollowed and presents an oblique anatomical outline. This feature makes for improved patellar tracking and strain relief on the knee extensor apparatus. The patellar component is identical to that of the TC-PLUS® Solution knee.



#### 5 Femoral box

The minimal femoral box width of 25 mm requires only minimal bone resection, thereby reducing the risk of condylar fracture. The width is comparable to that of a «posterior-stabilised» implant.



#### 6 Joint

The all-polyethylene lined joint (axis and box) allows a large contact area and minimal polyethylene strain.



#### 7 Stems

The slender femoral and tibial stems allow a stable cemented anchorage even when the medullary cavity is restricted.

**Manufacturer**

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For further information please  
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