Non-Contact Bridging

In the locked mode the NCB Periprosthetic Plate acts as an internal fixator without contact between the plate and the bone surface, which may reduce the risk of impairment to the periosteal blood supply. This Non-Contact Bridging concept can also be controlled through the use of 1, 2, or 3 mm spacers, which are threaded into the plate holes prior to plate insertion.

Broad Screw Options

Five different NCB Screw types are offered with the NCB Periprosthetic Femur System, to allow both bicortical and unicortical fixations.

<table>
<thead>
<tr>
<th>Screw Type</th>
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<tbody>
<tr>
<td>∅ 4 mm</td>
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Diagonal Three Hole Pattern

All NCB Periprosthetic Plates provide a diagonal three hole pattern, which allows for multiple screw options:
• Offset holes allow for easier screw placement around the prosthesis and may allow bicortical fixation.
• The central screw holes can accommodate Unicortical Screws, Cable Buttons and Cables.

Differently Shaped Scallops

• Reduced and uniform plate stiffness
• Better plate contouring across solid cross-sections, away from holes.

Polyaxiality

The NCB Plate Technology allows polyaxial screw placement (30° cone) with screw locking achieved through the use of locking caps that are threaded into the plate holes. The locking construct improves stability especially in poor bone quality.

NCB Curved Femur Shaft Plate

The Polyaxial Locking Plate portfolio

The NCB (Non-Contact Bridging) Periprosthetic Femur System is a line of polyaxial locking plates for the treatment of femur fractures, particularly periprosthetic femur fractures. Innovative plate designs combined with the polyaxial NCB Locking Plate Technology offer solutions for fixation of particularly complex periprosthetic fractures. The system consists of a Proximal Femur plate, a Distal Femur plate, and a Curved Femur Shaft plate.

Cable Fixation Options

The products from the Zimmer® Cable-Ready® Cable Grip System are compatible with the NCB Periprosthetic Femur System.

Specific Instruments for Periprosthetic Fractures

Slightly oversized drill bits and drill guides are offered with the NCB Periprosthetic Femur System, to help reducing the risk of cracks in the cement mantle when placing screws around a cemented prosthesis.

NCB Instruments for overdrilling into cement

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NCB Instruments for overdrilling into cement
Periprosthetic Solutions

NCB® Periprosthetic Femur Plate System

NCB Curved Femur Shaft Plate

**Symmetric Design**
One plate for left and right femurs due to symmetric design.

**Compression Slots**
Two compression slots allow 1 mm of compression each.

**Articulated Tension Device Holes**
One hole at each end of the plate allows for connection of the Articulated Tension Device to achieve additional compression, if needed.

NCB Distal Femur Plate

**95° Angled Distal Hole**
The most distal central plate hole is angled at 95° to the plate shaft to allow screw insertion parallel to the joint. This can help reduce the fracture and fix plate realignment of the anatomic axis of the femur.

**Fracture Reduction**
Before locking, NCB Screws can also act as lag screws. Therefore, NCB Screws can be used for fracture reduction and to apply interfragmentary compression, a feature not offered with conventional locking systems.

**Sterile Packaging**
NCB Periprosthetic Plates are offered in a sterile package with 10 years shelf life.

*Disclaimer*
This documentation is intended exclusively for physicians and is not intended for laypersons. Information on the products and procedures contained in this document is of a general nature and does not represent and does not constitute medical advice or recommendations. Because this information does not purport to constitute any diagnosis or therapeutic statement with regard to any individual medical case, each patient must be examined and advised individually, and this document does not replace the need for such examination and/or advice in whole or in part. Please refer to the package inserts for important product information, including, but not limited to, contraindications, warnings, precautions, and adverse effects.

Good to know

Articulated Tension Device Hole

Compression Slots

95° Angled Distal Hole