



Zimmer®  
NCB®  
Plating System



A locking plate system that expands  
a surgeon's options in trauma surgery



## The Power of Choice

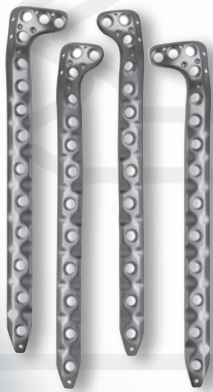
The power of having true intraoperative options is at your fingertips. Using standard techniques, the Non-Contact Bridging (NCB) Plating System delivers the ability to confidently target cortical and cancellous screws with polyaxial freedom and to lock the screws, if desired, at any time during the procedure. For effective implant placement, *Zimmer® Minimally Invasive Solutions™* (MIS) Guides help you insert plates sub-muscularly while keeping the incision to a minimum.

## MIS Technique

The MIS Guides allow for percutaneous targeting of screws and, thus, smaller incisions. The radiolucent guides permit inserting of plates sub-muscularly to help reduce stripping and damage to soft tissues. Meta-diaphyseal fractures can be left undisturbed and bridged for biologic healing. Diaphyseal screws are angled at 8° in an alternating pattern to resist pull-out and reduce stress-risers. In addition the screws are kept away from prosthetics and other implants.

In the Distal Femur MIS Guide the metaphyseal screws are allowed 30° of freedom, where it is needed. The Proximal Humerus MIS Guide divergently targets metaphyseal screws. This allows for reduced risk of pull-out and addresses most fracture patterns.

8° alternately opposed targeting of Diaphyseal screws



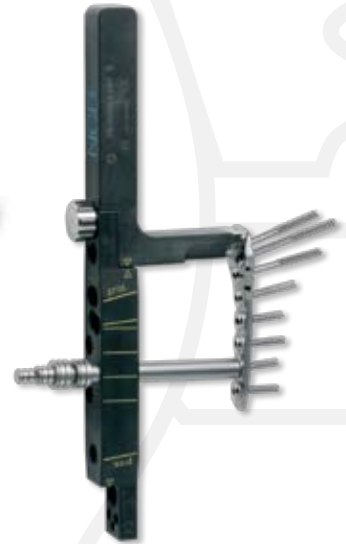
Implants are available with 2 or 3 proximal holes, left and right. Plate length varies from 5 to 9 shaft holes for the 2-proximal hole plate and between 5 and 13 shaft holes for the 3-proximal hole plate.



Proximal Tibial MIS Guide



Distal Femur MIS Guide



Proximal Humeral MIS Guide

## Non-Contact Bridging

Spacers of 1mm, 2mm, and 3mm can be used intraoperatively to hold the plate off the bone. When the plate is “locked” the spacers can be removed and the construct acts like an internal fixator. Keeping the plate off the bone can reduce the potential for periosteal damage and periosteum blood supply impairment.



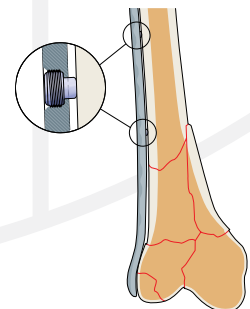
1mm spacer



2mm spacer



3mm spacer



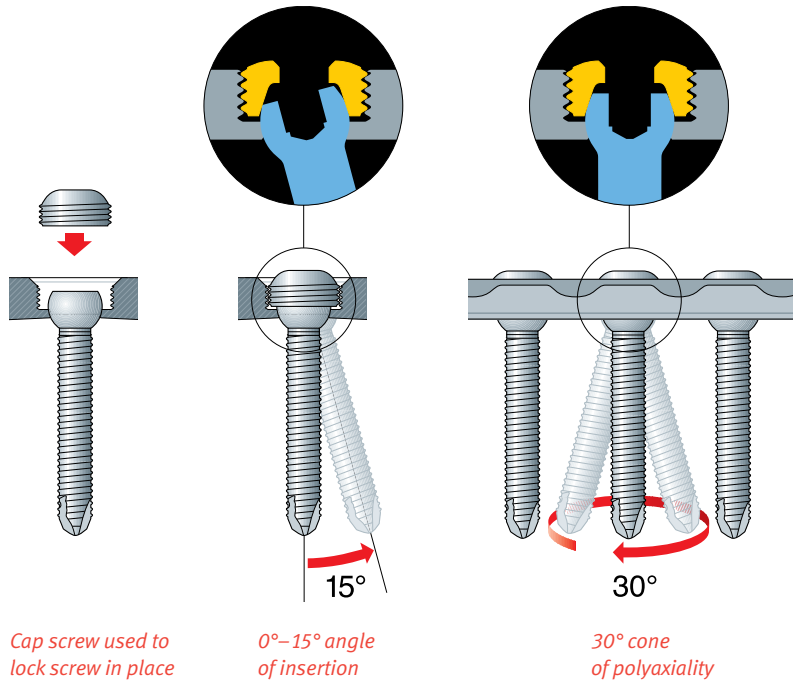
Spacers hold plate off the bone

Anatomically shaped plates help facilitate Non-Contact Bridging



## Polyaxial (Screw Choices)

The NCB Screw is secured with a locking cap that permits a range of 0°–15° off-center, or a 30° cone of polyaxiality. Cortical and cancellous screws can be used in traditional methods—lagging fragments or preventing rotation. These screws can be locked immediately after insertion, after other screws have been inserted, or not at all. With the ability to lock the construct after all screws have been inserted, screw directions can be adjusted interoperatively without having to “unlock” the construct. Because the locking cap is not inserted with power equipment, the risk of cold-welding and cross-threading is reduced.



NCB Cannulated Cortical Screw



NCB Proximal Tibia plate postoperative radiographs



NCB Distal Femur plate postoperative radiographs



NCB Proximal Humerus plate postoperative radiographs



# Ordering Information

## NCB Distal Femur Plate Set (00-2370-301-00)

Prod. No.	Description	Set Qty
02.03260.005	NCB Distal Femur Plate, Right, 5h, 167mm	1
02.03260.009	NCB Distal Femur Plate, Right, 9h, 246mm	2
02.03260.013	NCB Distal Femur Plate, Right, 13h, 324mm	2
02.03260.105	NCB Distal Femur Plate, Left, 5h, 167mm	1
02.03260.109	NCB Distal Femur Plate, Left, 9h, 246mm	2
02.03260.113	NCB Distal Femur Plate, Left, 13h, 324mm	2

## NCB Distal Femur Screw Set (00-2370-302-00)

Screws 14mm to 50mm are available in 2mm increments

Screws 50mm to 85mm are available in 5mm increments

Prod. No.	Description	Set Qty
02.03150.0XX	NCB Cortical Screw, 5.0 X 14–85mm, Self-tapping	4
02.03152.0XX	NCB Cancellous Screw, 5.0 X 50–85mm	4
02.03131.0XX	Cortical Screw, 3.5 X 50–85mm, Self-tapping	3
02.03150.300	NCB Locking Screw Cap	20
02.03150.310	NCB Screw Hole Insert	6
02.03150.311	NCB Spacer, 1mm	2
02.03150.312	NCB Spacer, 2mm	2
02.03150.313	NCB Spacer, 3mm	2

## NCB Distal Femur Standard Instruments (00-2370-300-00)

Prod. No.	Description	Set Qty
290.20.280	Kirschner Wire, 2.0mm	5
02.00024.601	NCB Distal Femur Case Lid	1
02.00024.602	NCB Distal Femur Case Base	1
02.00024.603	NCB Distal Femur Instruments Insert	1
02.00024.604	NCB Distal Femur Plate Insert	1
02.00024.605	NCB Distal Femur Screw Caddy	1
02.00024.001	NCB Drill Bit, 4.3mm X 145mm	0*
02.00024.002	NCB Drill Bit, 4.3mm X 195mm	2
02.00024.005	NCB Depth Gauge, Large, <110mm	1
02.00024.010	NCB Drill Guide, 2.5mm	1
02.00024.011	NCB Drill Guide, 4.3mm	1
02.00024.020	NCB Torque Screwdriver, 3.5 Hex, 248mm, 6Nm	0*
02.00024.021	NCB DF Torque Screwdriver, 3.5 Hex, 280mm, 6Nm	1
02.00024.050	NCB Tap, 5.0mm X 145mm	1
02.00024.121	NCB Locking Screw Cap Clip	1
100.40.035	Double Drill Guide, 2.5, 3.5, 4.0mm	1
100.90.005	Screw-holding Forceps, Self-holding	1
100.90.025	Depth Gauge, Small, 3.5/4.0mm <110	1
100.90.210	T-Handle Q/C	1
103.25.180	Drill Bit, 2.5mm X 180mm Q/C	1
106.35.110	Tap, 3.5mm Q/C	1
108.01.035	Countersink, 3.5/4.0mm Q/C	0*
109.01.020	Small Hex Screwdriver, 2.5mm	1
109.01.060	Holding Sleeve	1

\*optional

## NCB Distal Femur MIS Instruments (00-2370-300-01)

Prod. No.	Description	Set Qty
02.00002.001	Assembly Pin	1
02.00024.003	NCB Distal Femur Drill Bit, 4.3mm X 300mm	2
02.00024.006	NCB Distal Femur Depth Gauge, Large, <110mm	1
02.00024.023	NCB Distal Femur MIS Screwdriver, 3.5mm Hex	1
02.00024.024	NCB Distal Femur Screwdriver Shaft Q/C, 3.5mm Hex	1
02.00024.051	NCB Distal Femur Tap, 5.0mm X 250mm	1
02.00024.060	NCB Distal Femur Soft Tissue Sleeve, 10/8.2mm	2
02.00024.061	NCB Distal Femur Drill Guide, 8.2/4.3mm	1
02.00024.062	NCB Distal Femur Trocar, 4.3mm	1
02.00024.070	NCB Distal Femur Targeting Device - Right	1
02.00024.071	NCB Distal Femur Targeting Device - Left	1
02.00024.073	NCB Distal Femur Connection Bolt	2
02.00024.074	NCB Distal Femur Stabilization Bolt	1
02.00024.076	NCB Distal Femur Safety Lock Pin	2
02.00024.606	NCB Distal Femur MIS Instrument Tray	1

## NCB Proximal Humerus Plate Set (00-2370-101-00)

Prod. No.	Description	Set Qty
02.03262.004	NCB Proximal Humerus Plate, 4h, 79.5mm	2
02.03262.005	NCB Proximal Humerus Plate, 5h, 93mm	2
02.03262.101	NCB T Minus Plate, 52mm	2
02.01362.108	NCB Cerclage Wire, 115mm	2

## NCB Proximal Humerus Screw Set (00-2370-102-00)

Screws 20mm to 50mm are available in 2mm increments

Prod. No.	Description	Set Qty
02.03155.0XX	NCB Cortical Screw, 4.0 X 20–50mm, Self-tapping	5
02.03156.0XX	NCB Cancellous Screw, 4.5 X 30–50mm	4
02.03157.0XX	NCB Cann Cortical Screw, 4.0 X 20–50mm, Self-tapping	4
02.03158.0XX	NCB Cann Cancellous, 4.5 X 30–50mm	4
02.03150.300	NCB Locking Screw Cap	20
02.03150.310	NCB Screw Hole Insert	2
02.03150.311	NCB Spacer, 1mm	2
02.03150.312	NCB Spacer, 2mm	2
02.03150.313	NCB Spacer, 3mm	2
02.03131.0XX	Cortical Screw, 3.5 X 20–40mm	4

## NCB Proximal Humerus Standard Instruments (00-2370-100-00)

Prod. No.	Description	Set Qty
299.201.50	Kirschner Wire, 2.0mm X 150mm, Threaded Tip	5
02.00024.701	NCB Proximal Humerus Case Lid	1
02.00024.702	NCB Proximal Humerus Case Base	1
02.00024.703	NCB Proximal Humerus Instrument Tray	1
02.00024.704	NCB Proximal Humerus Plate Insert	1
02.00024.705	NCB Proximal Humerus Screw Caddy	1
02.00024.706	NCB Proximal Humerus Insert Tray-empty	1
02.00024.111	NCB Drill Guide, 3.3mm	2
02.00024.118	NCB Drill Bit, 3.3mm X 195mm Q/C	2
02.00024.121	NCB Locking Screw Cap Clip	1
02.00024.022	NCB PH Torque Screwdriver, 3.5mm Hex, 248mm, 4Nm	1
02.00024.005	NCB Depth Gauge, Large, <110mm	1
100.01.110	Forceps With Serrated Jaws	0*
100.01.320	Bone-holding Forceps	0*
109.01.020	Small Hex Screwdriver, 2.5mm	1
100.40.035	Double Drill Guide, 2.5, 3.5, 4.0mm	1
100.90.005	Screw-holding Forceps, Self-holding	1
100.90.020	Depth Gauge, Small, 2.7, 3.5, 4.0mm	1
103.25.110	Drill Bit, 2.5mm X 110mm Q/C	2
106.35.110	Tap, 3.5mm Q/C	1
108.01.035	Countersink, 3.5/4.0mm Q/C	0*
100.90.210	T-Handle Q/C	1
100.11.155	Wire-bending Forceps	1
100.11.115	Wire Cutter	1

\*optional

## NCB Proximal Humerus MIS Instruments (00-2370-100-01)

Prod. No.	Description	Set Qty
110.06.200	Cleaning Wire, 1.6mm	1
02.01362.116	NCB PH Guide Wire, 1.6mm X 190mm, Threaded Tip	10
02.00024.101	NCB Proximal Humerus Handle for Targeting Device	1
02.00024.102	NCB Proximal Humerus Targeting Guide	1
02.00024.103	NCB Prox. Hum. Connection Screw for Targeting Device	1
02.00024.104	NCB Proximal Humerus Guide Fixation Screw	2
02.00024.113	NCB Proximal Humerus Soft Tissue Sleeve, 10/8.0mm	2
02.00024.114	NCB Proximal Humerus Drill Guide, 2.0/3.3mm	2
02.00024.115	NCB Proximal Humerus Drill Guide, 3.3/1.6mm	2
02.00024.116	NCB Proximal Humerus Trocar, 1.6mm	2
02.00024.117	NCB Proximal Humerus Cannulated Depth Gauge	2
02.00024.119	NCB Prox. Hum. Measuring Device for Cannulated Screws	1
02.00024.120	NCB Cannulated Hex Driver, 3.5mm	1
02.00024.707	NCB Proximal Humerus MIS Instrument Tray	1
02.00024.708	NCB Proximal Humerus MIS Screw Caddy	1

# Ordering Information

## NCB Proximal Tibia Plate Set (Sterile) (00-2370-401-00)

Prod. No.	Description
02.02261.205	NCB PT Tibia Plate, Right, 3 Proximal Holes, 5 Hole Shaft
02.02261.207	NCB PT Tibia Plate, Right, 3 Proximal Holes, 7 Hole Shaft
02.02261.209	NCB PT Tibia Plate, Right, 3 Proximal Holes, 9 Hole Shaft
02.02261.305	NCB PT Tibia Plate, Left, 3 Proximal Holes, 5 Hole Shaft
02.02261.307	NCB PT Tibia Plate, Left, 3 Proximal Holes, 7 Hole Shaft
02.02261.309	NCB PT Tibia Plate, Left, 3 Proximal Holes, 9 Hole Shaft
<b>Also Available: (Not In Set)</b>	
02.02261.213	NCB PT Tibia Plate, Right, 3 Proximal Holes, 13 Hole Shaft
02.02261.313	NCB PT Tibia Plate, Left, 3 Proximal Holes, 13 Hole Shaft

## NCB Screw Set (Nonsterile) (00-2370-402-00)

Screws 14mm to 50mm are available in 2mm increments  
Screws 50mm to 90mm are available in 5mm increments

Prod. No.	Description
02.03152.0XX	NCB Cancellous Screw Ø 5.0 Thread 32mm Self-tapping, 50mm - 90mm
02.03155.0XX	NCB Screw Ø 4.0 Self-tapping, 14mm - 90mm
02.03158.0XX	NCB Cannulated Cancellous Screw Ø 4.5 Self-drill, 50mm - 90mm
02.03150.300	NCB Locking Screw M8
02.03150.310	NCB Blind Screw Insert
02.03150.311	NCB Spacer
02.03150.312	NCB Spacer
02.03150.313	NCB Spacer
290.16.280	Kirschner Wire Ø 1.6, with Trocar Tip
290.20.280	Kirschner Wire Ø 2.0, with Trocar Tip

## NCB Proximal Tibia Standard Instrument Set (00-2370-400-00)

Prod. No.	Description
02.00024.010	NCB Drill Guide Ø 2.5 for NCB-cancellous Screws Ø 5.0
02.00024.111	NCB Drill Guide Ø 3.3 for NCB Screws Ø 4.0/4.5
02.00024.011	NCB Drill Guide Ø 4.3 for NCB-screws Ø 5.0
103.25.180	NCB Drill Bit Ø 2.5, with Quick Coupling
02.00024.118	NCB Drill Bit Ø 3.3, with Quick Coupling
02.00024.002	NCB Drill Bit Ø 4.3, with Quick Coupling
02.00024.040	NCB PT Tap Ø 4mm, with Quick Coupling
02.00024.052	NCB PT Tap Ø 5mm, with Quick Coupling
02.00024.005	NCB Depth Gauge for NCB Screws Ø 5.0/4.5/4.0
100.90.005	Screw Forceps Self-holding
100.90.210	T-Handle with Quick Coupling
02.00024.124	NCB PT Hexagonal Screwdriver Shaft
02.00024.027	NCB PT Hexagonal Screwdriver for MIS Tibia; Blue
02.00024.020	NCB Torque Screwdriver Short Hex 3.5, 6Nm,
02.01362.116	Kirschner Wire Ø 1.6, with Threaded Tip
02.00024.120	NCB PH Hexagonal Screwdriver Cannulated Short Hex
02.00024.233	NCB PT Cannulated Drill Bit with Quick Coupling Ø 3.3
02.00024.219	NCB PH Measuring Device for Cannulated Screws
02.00024.192	NCB PT Drill Guide Ø 3.3 / 1.6mm

## NCB Proximal Tibia Mis Instrument Set (00-2370-400-01)

Prod. No.	Description
02.00024.125	NCB Proximal Tibia Drill Bit Ø 2.5, with Quick Coupling
02.00024.133	NCB Proximal Tibia Drill Bit Ø 3.3, with Quick Coupling
02.00024.143	NCB Proximal Tibia Drill Bit Ø 4.3, with Quick Coupling
02.00024.007	NCB Proximal Tibia Depth Gauge
02.00024.090	NCB Proximal Tibia Soft Tissue Protection Sleeve Ø 10.0/8.2
02.00024.091	NCB Proximal Tibia Drill Guide Ø 8.2 / 5.2mm
02.00024.092	NCB Proximal Tibia K-wire Guide Ø 5.2 / 2mm
02.00024.093	NCB Proximal Tibia Trocar Ø 2mm
02.00024.080	NCB Proximal Tibia Targeting Device for Right Plates
02.00024.081	NCB Proximal Tibia Targeting Device for Left Plates
02.00024.083	NCB Proximal Tibia Connection Bolt
02.00024.084	NCB Proximal Tibia Stabilization Bolt For Targeting Device
02.00024.076	Safety Lock Pin for Targeting Device
02.00024.077	NCB Screw Marker for Targeting Device
02.00002.001	Assembly Pin

Contact your Zimmer representative or visit us at [www.zimmer.com](http://www.zimmer.com)

