

CoLink[®] Mfx

MIDFOOT PLATING SYSTEM



1ST TMT



2ND/3RD Lisfranc



1ST/2ND Lisfranc



NC Plate



Medial Column TNC



TN Plates



Medial Column NCM Plate



Medial Column Bridge Plate

Plates and Screws OR Ready, Delivered Sterile
Low-Profile • Anatomic Design • Type II Anodized
Lisfranc and Midfoot Reconstruction Plates



A GLOBAL EXTREMITY COMPANY

CoLink® Mfx

MIDFOOT PLATING SYSTEM

The CoLink® Mfx Plating System is a collection of plates and screws designed to address fractures, fusions, and osteotomies of the midfoot. The CoLink Mfx Plating System features eight plate styles: 1st TMT, 1st/2nd Lisfranc, 2nd/3rd Lisfranc, NC, TN, Medial Column TNC, Medial Column NCM, and a Medial Column Bridge Plate. The 1st TMT, 1st/2nd Lisfranc, and NC Plates are side specific, with the 1st/2nd and 2nd/3rd Lisfranc Plates available in two sizes.

Lisfranc Plates

1ST TMT



1ST/2ND Lisfranc



2ND/3RD Lisfranc



The 1st TMT and 1st/2nd Lisfranc Plates feature a unique anatomic dorsal to plantar twist allowing room for an independent homerun screw to be placed.

Midfoot Reconstruction Plates

Medial Column TNC



Medial Column NCM Plate



Medial Column Bridge Plate.



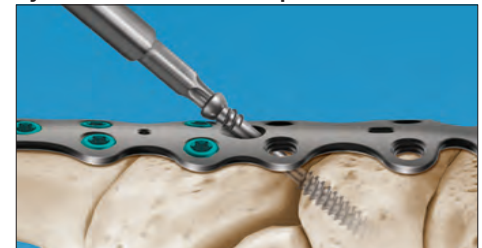
NC Plate



TN Plates



Dynamic Transverse Compression



The Midfoot Reconstruction Plates feature a **dynamic transverse compression** hole, accommodating a 4.0mm CoLag® Compression Screw.

PLATING SYSTEM SCREWS

Screws associated with the In2Bones CoLink® Mfx Midfoot Plating System are 3.0mm Locking and Non-Locking and 3.5mm Locking, Non-Locking, and Variable Angle Locking Screws. The Midfoot Reconstruction family of plates feature a dynamic transverse compression hole for use with a 4.0mm CoLag Screw for compression across the joint or fracture location.

3.0mm

Locking



Non-Locking



3.5mm

Locking



Non-Locking



3.5mm

Variable Angle Locking



4.0mm

Compression



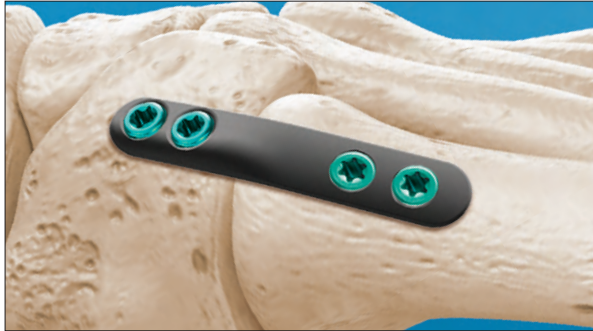
Fully Threaded



SYSTEM FEATURES

Unique Anatomical Dorsal to Plantar Twist

The 1st TMT and 1st/2nd Lisfranc Plates feature a unique dorsal to plantar twist during the transition from the proximal to distal screw holes. This allows room for an independent homerun screw to be placed.



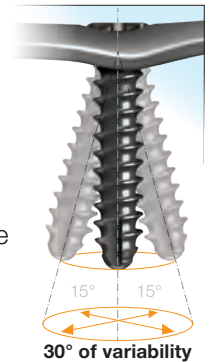
CoLink® Mfx Plate & Screw interface Minimal Screw Head Prominence



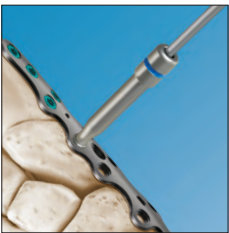
The CoLink Mfx Plate and Screw interface maintains an ultra low profile with flush screw heads.

Variable Angle Locking Technology Solid Connection Between Screw & Plate

CoLink® Mfx Plates feature variable angle locking technology with polyaxial screw placement and 30° of locking variability for improved angular stability. The locking construct offers improved fixation stability in complex fractures and in cases of poor bone quality.



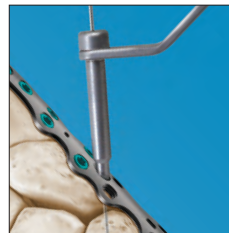
SYSTEM DRILL GUIDES



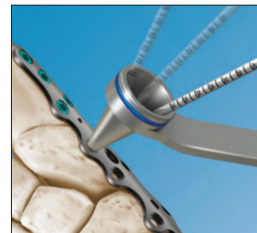
Locking Drill Guide



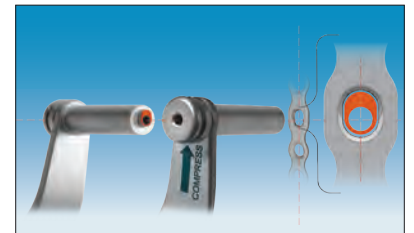
Non-Locking Drill Guide



Transverse Wire Guide



Variable Angle Drill Guide



Compression Drill Guide

- 2.0 and 2.5mm **Locking Drill Guide Towers** are provided for on-axis drilling for 3.0 and 3.5mm locking screws.
- A 2.0/2.5mm **Non-Locking Drill Guide** is provided for placing 3.0 and 3.5mm non-locking screws off-axis.
- **Transverse Wire Guide** is provided for placing a .062 K-Wire in preparation for a 4.0 CoLag screw for use as a transarticular screw.
- 2.0/2.5mm **Variable Angle Non-Locking Drill Guides** are provided for placing 3.5mm variable angle screws off-axis with 30° of variability.
- For dynamic compression, use the **Compression Drill Guide** to prepare for a non-locking screw in the compression slot orienting the laser-marked arrow in the direction of desired compression.

CoLink[®] Mfx

LISFRANC PLATES SURGICAL TECHNIQUE



Incision

Use a standard technique for incision, exposure, and preparation of the joint, osteotomy or fracture site.

Provisional Fixation

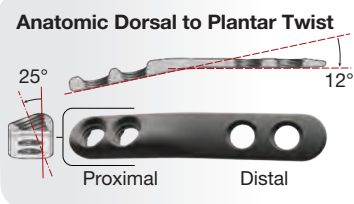
Align the bones to be fixed in the desired position and utilize K-wires for provisional fixation.

Trialing

Use the appropriate plate trial to verify fitment without bending the plate trial and select the corresponding sterile-packed implant.

Note: *If additional contouring of the plate is needed, use the supplied Plate Benders to bend the final implant as necessary. Take care not to bend across a plate hole.*

Note: *The 1st TMT and 1st/2nd Lisfranc Plates feature a unique dorsal to plantar twist during the transition from the proximal to distal screw holes. This allows room for an independent homerun screw to be placed.*



Provisional Plate Fixation

Place the implant in the desired location and provisionally fix it in place with Olive Wires on the distal and proximal ends of the plate.

Confirm appropriate placement with the use of fluoroscopy.

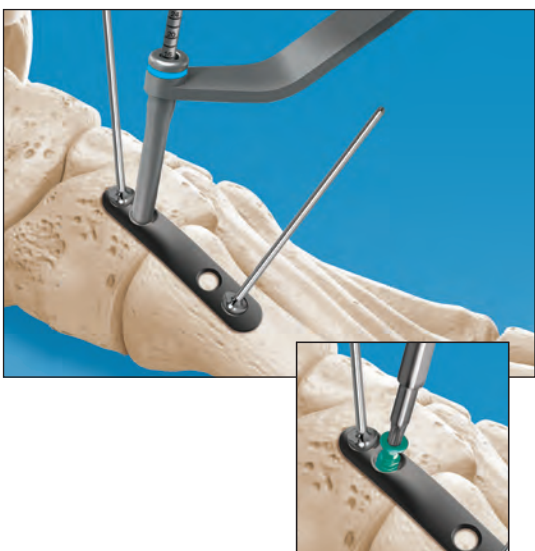
Screw Preparation and Insertion

The CoLink Mfx Plating System features 3.0mm Locking and Non-Locking and 3.5mm Locking, Non-Locking, and Variable Angle Locking Screw options which may be used in all standard plate holes.

Prepare the most proximal screw hole using the appropriate drill guide and drill based on the desired screw type. Size the screw using the calibrated markings on the drill or the supplied depth gauge then obtain the corresponding screw.

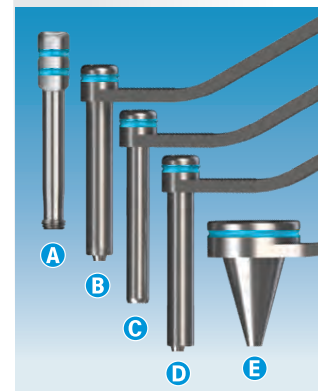
Note: *It is recommended to first use a Non-Locking Screw to reduce the chance of plate step-off.*

Load the selected screw onto the T15 Driver and assemble the screw to the plate.



Color-coded Drill Guides:

- = For 3.0mm Screws
- = For 3.5mm Screws



- A** Locking Drill Guides
- B** Speed Drill Guide
- C** Non-Locking Drill Guide
- D** Compression Drill Guide
- E** Variable Angle Drill Guide



Repeat this process for the available distal screw hole then remove both Olive Wires.
Prepare, size, and assemble the remaining screws to the plate.



Compression Slot Screw (1st/2nd and 2nd/3rd Lisfranc Plates)

The 1st/2nd Lisfranc and 2nd/3rd Lisfranc Plates feature compression slots to provide up to 1mm of dynamic compression in the construct.

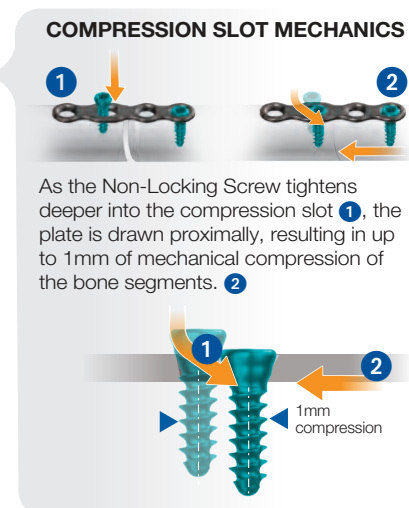
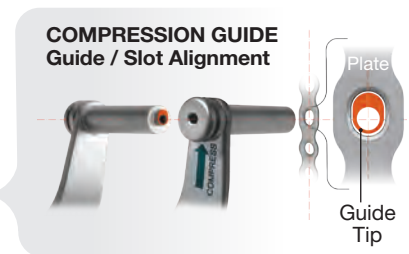
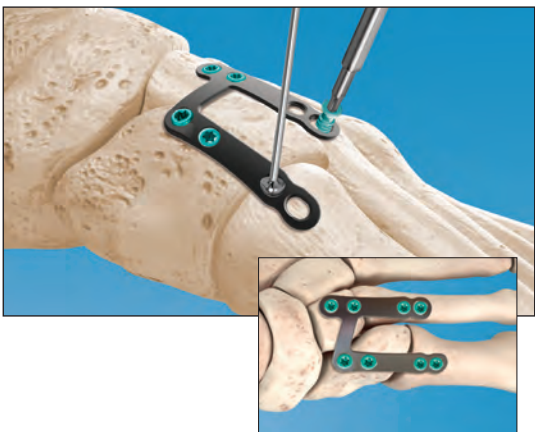
Prepare all proximal screws using the corresponding drill guide and drill/seal the appropriate screws to the plate.



For each of the distal compression slots, align the Compression Drill Guide to the slot with the arrow on the guide indicating the direction of compression. Drill and size the appropriate Non-Locking Screw.

Initiate seating of the screw, then remove the adjacent distal Olive Wire. Once the Olive Wire is removed, continue to seat the Non-Locking Screw to achieve approximately 1mm of dynamic compression.

Prepare, size, and assemble the remaining distal screws.



Closure

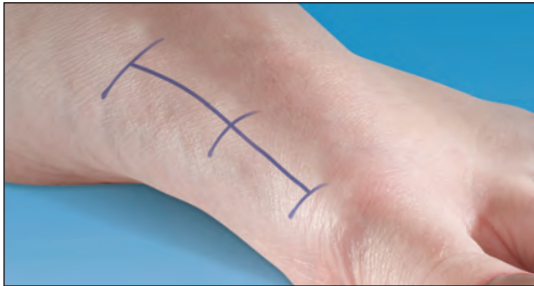
Close by preferred methods.

Removal Technique

For removal, use the supplied CoLink Mfx Plating System instrument set to remove the plate screws followed by removal of the plate from the bone.

CoLink® Mfx

MIDFOOT RECONSTRUCTION SURGICAL TECHNIQUE

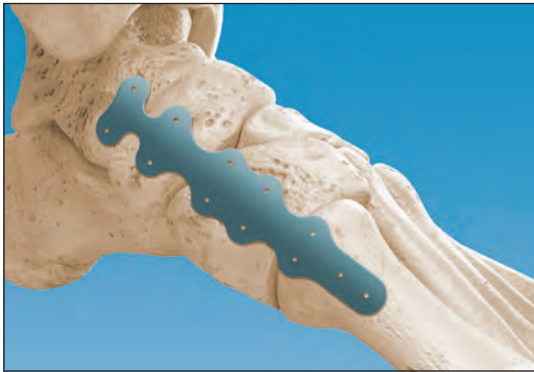


Incision

Use a standard technique for incision, exposure, and preparation of the joint, osteotomy or fracture site.

Provisional Fixation

Align the bones to be fixed in the desired position and utilize K-wires for provisional fixation.



Trialing

Use the appropriate plate trial to verify fitment without bending the plate trial and select the corresponding sterile-packed implant.

Note: If additional contouring of the plate is needed, use the supplied Plate Benders to bend the final implant as necessary. Take care not to bend across a plate hole.

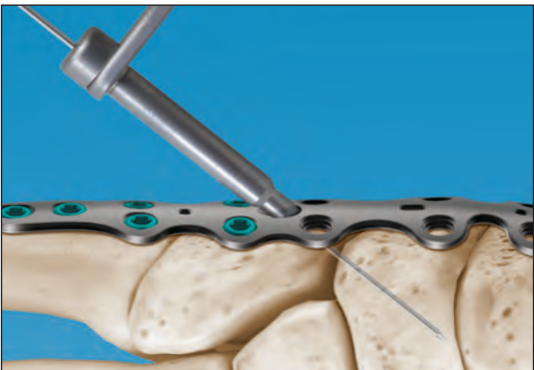


Provisional Plate Fixation

Place the selected implant in the desired location and provisionally fix it in place with Olive Wires on the distal and proximal ends of the plate.

Confirm appropriate placement with the use of fluoroscopy.

Note: All plates in the Midfoot Reconstruction family feature a transverse compression screw hole **A** to allow for compression across the bone junction. Under fluoroscopy, verify placement of the compression screw hole distal to the bone-to-bone interface prior to insertion of provisional fixation.

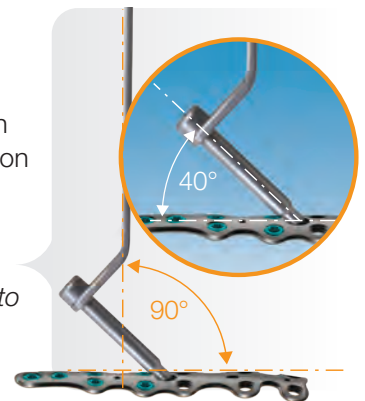


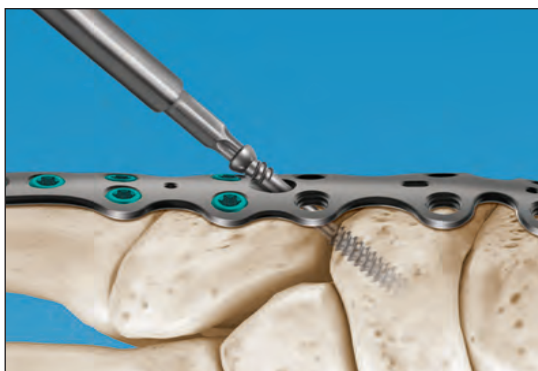
Screw Preparation and Insertion

The CoLink Mfx Plating System features 3.0mm Locking and Non-Locking and 3.5mm Locking, Non-Locking, and Variable Angle Locking Screw options that may be used in all standard plate holes.

The CoLink Mfx Midfoot Reconstruction Plates also feature a transverse compression screw hole for use with a 4.0mm CoLag® Screw.

Note: When utilizing the transverse compression screw hole, all screws distal to the transverse screw hole are placed first, followed by the transverse screw, and finishing with the proximal screws.





Prepare the most distal screw hole **1** using the appropriate drill guide and drill based on the desired screw type. Size the screw using the calibrated markings on the drill or the supplied depth gauge, then obtain the corresponding screw.

Note: *It is recommended to first use a Non-Locking Screw to reduce the chance of plate step-off.*

Load the selected screw onto the T15 Driver and assemble the screw to the plate. Remove the distal Olive Wire.

Repeat the process for the remaining distal screw holes **2**.

Align the Transverse Wire Guide to the transverse compression screw hole **3** and insert a 0.062" x 6" Guide Wire from kit C02 S0001 through the guide.

Use the Lag Screw Sizer to identify the appropriately sized 4.0mm CoLag Screw.

Use the 2.7mm Cannulated Drill to drill to the measured depth over the K-wire, then remove the drill.

Manually seat the selected 4.0mm CoLag Screw over the 0.062" K-Wire using the cannulated T15 Driver until fully seated.

Prepare, size, and seat the remaining proximal screws **4** to the plate.

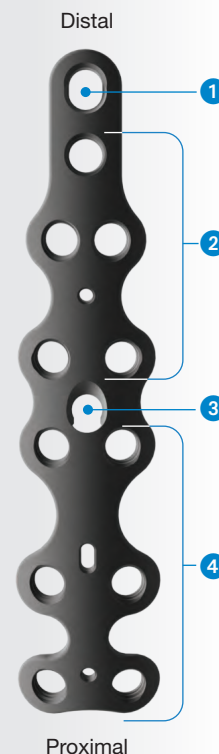
Closure

Close by preferred methods.

Removal Technique

For removal, use the supplied CoLink Mfx Plating System instrument set to remove the plate screws followed by removal of the plate from the bone.

Recommended CoLink Mfx Bridge Plate Screw insertion sequence



CoLink® Mfx

MIDFOOT PLATING SYSTEM



C20 ST111..... CoLink Mfx, 1st TMT Lisfranc Plate, Right
C20 ST211..... CoLink Mfx, 1st TMT Lisfranc Plate, Left



C20 ST131..... CoLink Mfx, 1st/2nd Lisfranc Plate, Small, Right
C20 ST121..... CoLink Mfx, 1st/2nd Lisfranc Plate, Large, Right
C20 ST231..... CoLink Mfx, 1st/2nd Lisfranc Plate, Small, Left
C20 ST221..... CoLink Mfx, 1st/2nd Lisfranc Plate, Large, Left



C20 ST031..... CoLink Mfx, 2nd/3rd Lisfranc Plate, Small
C20 ST032..... CoLink Mfx, 2nd/3rd Lisfranc Plate, Large



C20 ST171..... CoLink Mfx, NC Plate, Standard, Right
C20 ST271..... CoLink Mfx, NC Plate, Standard, Left



C20 ST241..... CoLink Mfx, Medial Column Bridge Plate, Standard



C20 ST251..... CoLink Mfx, Medial Column TNC Plate, Standard



C20 ST261..... CoLink Mfx, Medial Column NCM Plate, Standard



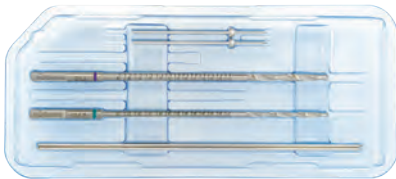
C20 ST281..... CoLink Mfx, TN Plate, Standard

Sterile Screw Tube ID Legend



- 3.0mm Low-Pro Cortical
- 3.0mm Locking
- Afx 3.5mm Low-Pro Cortical
- Afx 3.5mm Locking
- Afx 3.5mm CoLink VAL™

CoLink® Midfoot / CoLink 2 Sterile Instrument Kit - C02 S0001



- 2 - Guide Wire, Single Trocar, .062 x 6"
- 1 - 2.5 x 60mm Drill
- 1 - 2.0 x 60mm Drill
- 2 - Olive Wires 0.045 x 2.5"

T15 DRIVER, AO, Sterile - P07 S0041



CoLink® 3.0mm Low-Pro Cortical Screws

CATALOG NO	DIA x LENGTH	STYLE
P43 ST008	3.0 x 8mm	Non-Locking
P43 ST010	3.0 x 10mm	Non-Locking
P43 ST012	3.0 x 12mm	Non-Locking
P43 ST014	3.0 x 14mm	Non-Locking
P43 ST016	3.0 x 16mm	Non-Locking
P43 ST018	3.0 x 18mm	Non-Locking
P43 ST020	3.0 x 20mm	Non-Locking
P43 ST022	3.0 x 22mm	Non-Locking
P43 ST024	3.0 x 24mm	Non-Locking
P43 ST026	3.0 x 26mm	Non-Locking
P43 ST028	3.0 x 28mm	Non-Locking
P43 ST030	3.0 x 30mm	Non-Locking

CoLink® 3.0mm Locking

P43 ST108	3.0 x 8mm	Locking
P43 ST110	3.0 x 10mm	Locking
P43 ST112	3.0 x 12mm	Locking
P43 ST114	3.0 x 14mm	Locking
P43 ST116	3.0 x 16mm	Locking
P43 ST118	3.0 x 18mm	Locking
P43 ST120	3.0 x 20mm	Locking
P43 ST122	3.0 x 22mm	Locking
P43 ST124	3.0 x 24mm	Locking
P43 ST126	3.0 x 26mm	Locking
P43 ST128	3.0 x 28mm	Locking
P43 ST130	3.0 x 30mm	Locking

CoLink® Afx 3.5mm Low-Pro Cortical Screws

P73 ST010	3.5 x 10mm	Non-Locking
P73 ST012	3.5 x 12mm	Non-Locking
P73 ST014	3.5 x 14mm	Non-Locking
P73 ST016	3.5 x 16mm	Non-Locking
P73 ST018	3.5 x 18mm	Non-Locking
P73 ST020	3.5 x 20mm	Non-Locking
P73 ST022	3.5 x 22mm	Non-Locking
P73 ST024	3.5 x 24mm	Non-Locking
P73 ST026	3.5 x 26mm	Non-Locking
P73 ST028	3.5 x 28mm	Non-Locking
P73 ST030	3.5 x 30mm	Non-Locking
P73 ST032	3.5 x 32mm	Non-Locking

CoLink® Afx 3.5mm Low-Pro Cortical Screws -cont.

P73 ST034	3.5 x 34mm	Non-Locking
P73 ST036	3.5 x 36mm	Non-Locking
P73 ST038	3.5 x 38mm	Non-Locking
P73 ST040	3.5 x 40mm	Non-Locking

CoLink® Afx 3.5mm Locking Screws

P73 ST110	3.5 x 10mm	Locking
P73 ST112	3.5 x 12mm	Locking
P73 ST114	3.5 x 14mm	Locking
P73 ST116	3.5 x 16mm	Locking
P73 ST118	3.5 x 18mm	Locking
P73 ST120	3.5 x 20mm	Locking
P73 ST122	3.5 x 22mm	Locking
P73 ST124	3.5 x 24mm	Locking
P73 ST126	3.5 x 26mm	Locking
P73 ST128	3.5 x 28mm	Locking
P73 ST130	3.5 x 30mm	Locking
P73 ST132	3.5 x 32mm	Locking
P73 ST134	3.5 x 34mm	Locking
P73 ST136	3.5 x 36mm	Locking
P73 ST138	3.5 x 38mm	Locking
P73 ST140	3.5 x 40mm	Locking

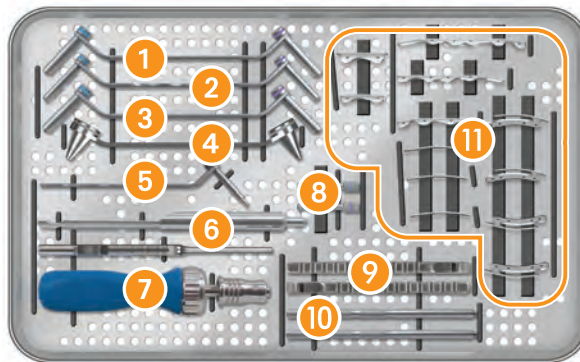
CoLink® Afx 3.5mm Variable Angle Locking

P73 ST210	3.5 x 10mm	Variable
P73 ST212	3.5 x 12mm	Variable
P73 ST214	3.5 x 14mm	Variable
P73 ST216	3.5 x 16mm	Variable
P73 ST218	3.5 x 18mm	Variable
P73 ST220	3.5 x 20mm	Variable
P73 ST222	3.5 x 22mm	Variable
P73 ST224	3.5 x 24mm	Variable
P73 ST226	3.5 x 26mm	Variable
P73 ST228	3.5 x 28mm	Variable
P73 ST230	3.5 x 30mm	Variable
P73 ST232	3.5 x 32mm	Variable
P73 ST234	3.5 x 34mm	Variable
P73 ST236	3.5 x 36mm	Variable
P73 ST238	3.5 x 38mm	Variable
P73 ST240	3.5 x 40mm	Variable

CoLag® Screws - see CoLag Screws @ In2Bones.com



CoLag 2 Fully Threaded Screw, 4.0 x 20-50mm



- 1 CoLink 2, 2.0/2.5 Compression Drill Guide
- 2 CoLink 2, 2.0/2.5 Non-Locking Drill Guide
- 3 CoLink 2, 2.0/2.5 Speed Drill Guide
- 4 CoLink 2, 2.0/2.5 VAL Drill Guide
- 5 CoLink Mfx, Transverse Wire Guide
- 6 Depth Gauges
- 7 Ratcheting Handle
- 8 Locking Drill Guides
- 9 Bending Irons
- 10 Threaded Bending Bars
- 11 Plate Trials

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CAUTION: Federal law (USA) restricts this device to sale and use by, or on the order of a physician.



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