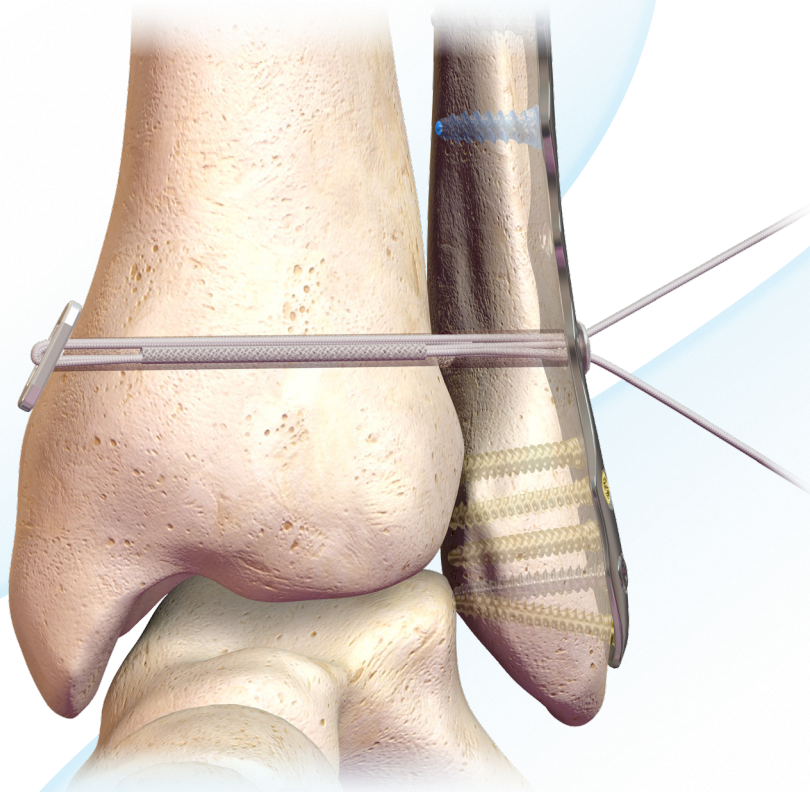


HERCULES[®]

Knotless Syndesmosis Implant System



Low-profile knotless suture fixation system with proprietary BightForce™ suture

Alternative to rigid screw fixation allowing slight micromotion
mimicking the patient's biomechanics during the healing process

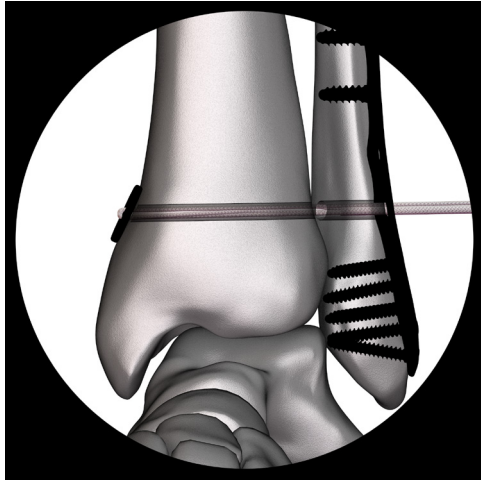
Delivered in sterile, single-use kit



a  CONMED company

SURGICAL TECHNIQUE
HERCULES®

Knotless Syndesmosis Implant System



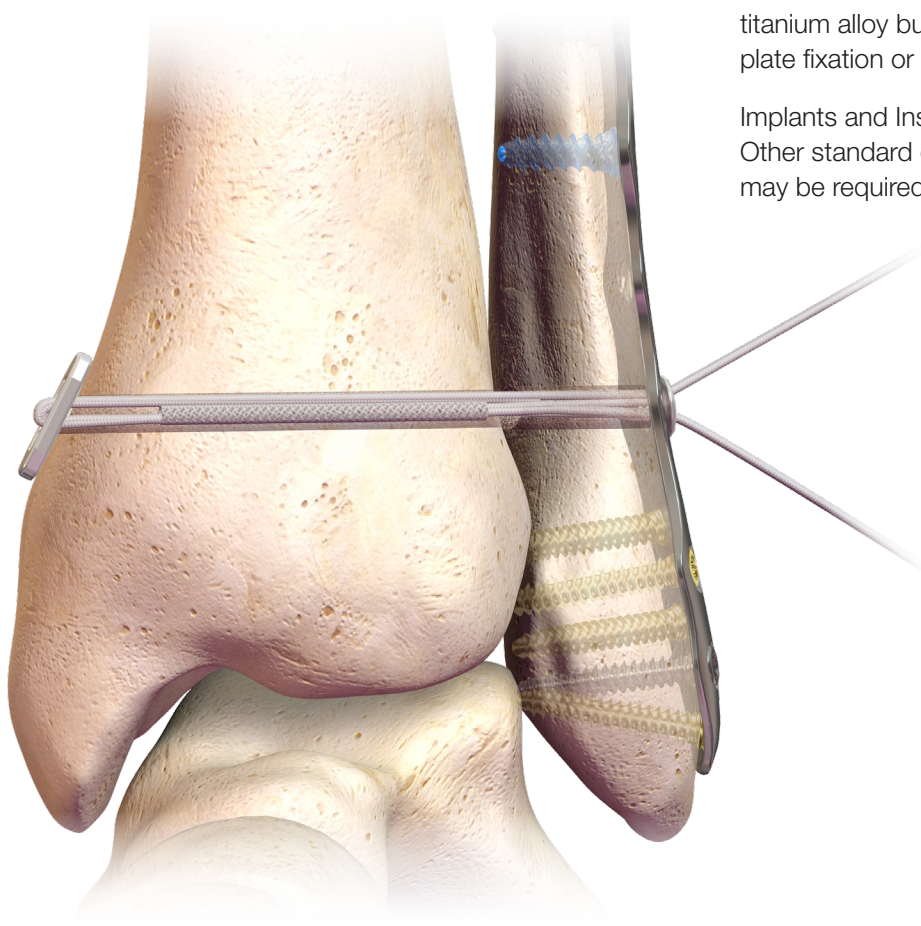
Indications for Use

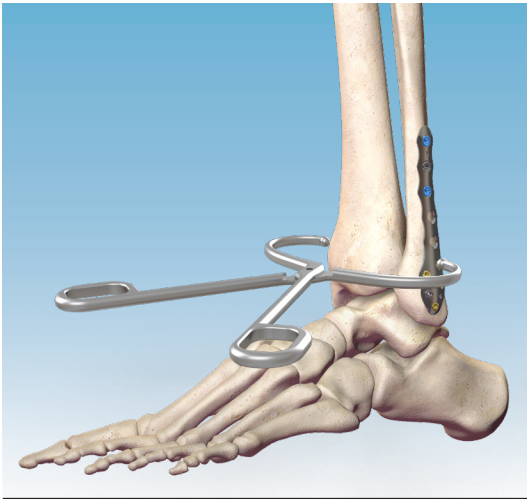
The HERCULES® Syndesmosis Implant System is intended to provide fixation during the healing process following a syndesmotic trauma such as fixation of syndesmosis (syndesmosis disruptions) in connection with Weber B and C ankle fractures and as an adjunct in external and intramedullary fixation systems. The HERCULES® Syndesmosis Implant System is also intended to provide fixation during healing process after joint reconstruction in the midfoot and forefoot including correction of hallux valgus deformity.

Device Description

The HERCULES® Syndesmosis Implant System is a sterile, single-use device intended to stabilize syndesmotic trauma of the ankle. The subject system consists of UHMWPE suture tensioned between two low profile titanium alloy buttons and is designed to complement plate fixation or to allow use as a stand-alone device.

Implants and Instruments are provided sterile packaged. Other standard orthopedic operating instrumentation may be required to perform the procedures.





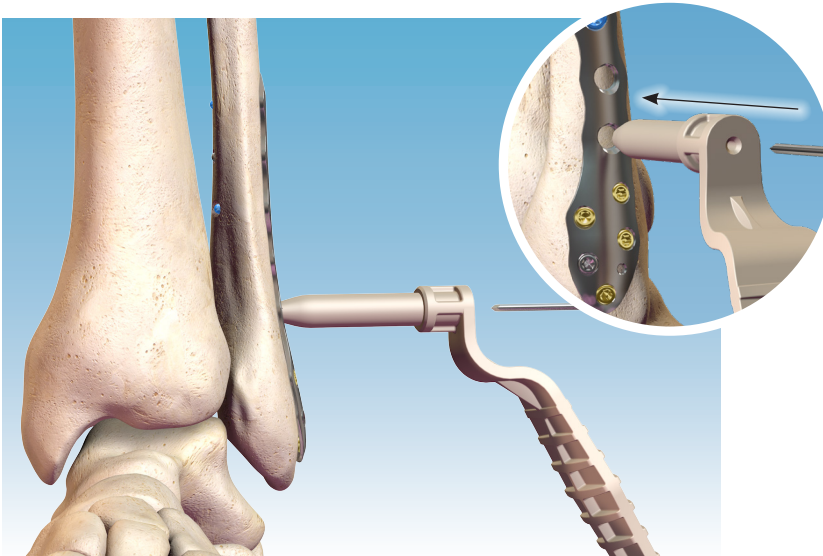
Posterior Offset

The CoLink® Afx Lateral Fibula Plates are designed with posterior-offset holes to better target the center of the tibia.

Implantation Technique

Syndesmosis Reduction

The syndesmosis should be formally reduced prior to fixation and confirmed using fluoroscopy, direct visualization during open reduction, or both based on surgeon preference and severity of injury.

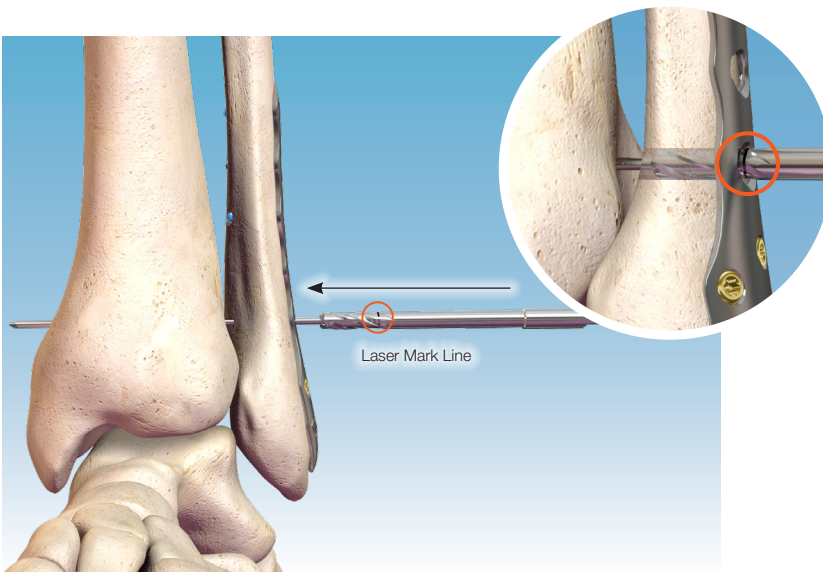


Incision and Bone Prep

Through a lateral incision, use the wire guide to position the guide wire through the plate hole across the fibula and tibia, taking care to position the wire perpendicular to the syndesmosis joint. After wire insertion, remove the wire guide.

Note: *Implant may be used with the CoLink Afx One-Third Tubular or Lateral Fibula Plates*

Note: *The guide wire may be placed without the guide when the syndesmosis suture button assembly is used outside of the plate.*



Fibula Prep

Use the 3.8mm cannulated drill to break the near cortex of the fibula.

Note: *Drill has laser mark line indicating the approximate drill depth to achieve.*

SURGICAL TECHNIQUE
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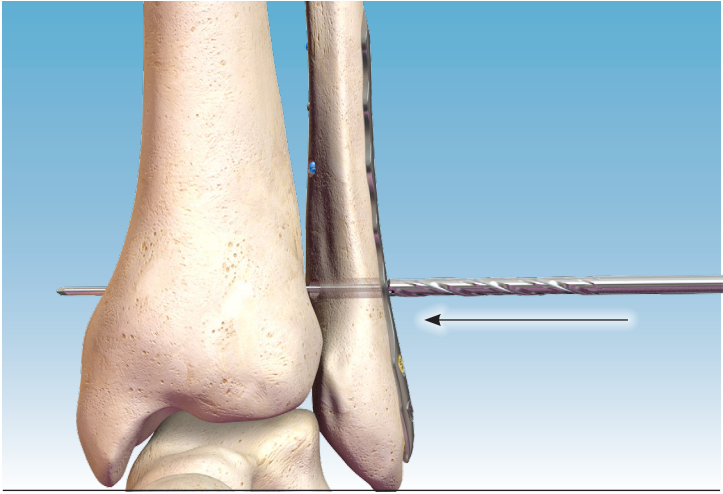
Knotless Syndesmosis Implant System

Implantation Technique (cont'd)

Tibia Prep

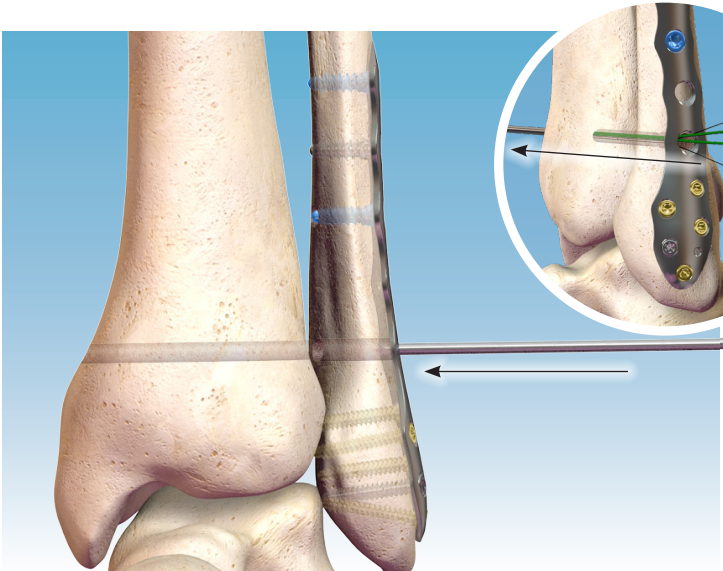
Remove 3.8mm drill after the far cortex of the fibula is breached. Enter the tibia laterally using the 3.5mm cannulated drill through the prepared fibula hole. Remove 3.5mm drill and guide wire after the far cortex of the tibia is breached.

Optional: A solid 3.5mm drill can be used per surgeon preference by removing the guide wire prior to drilling. (Sold separately)

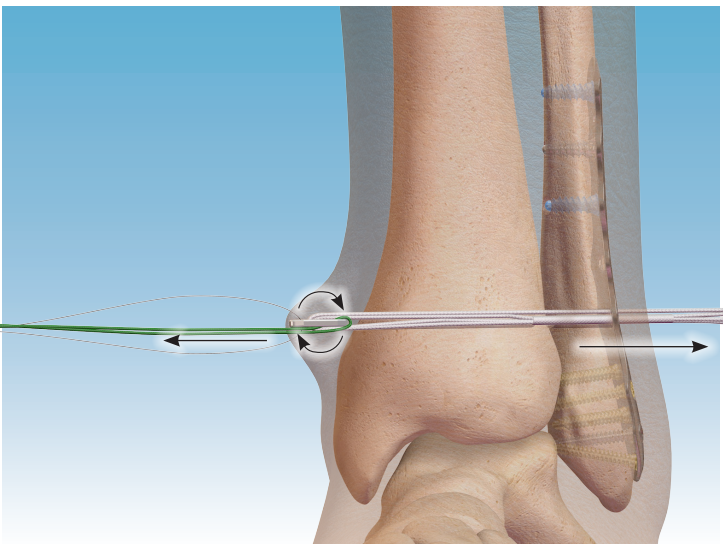


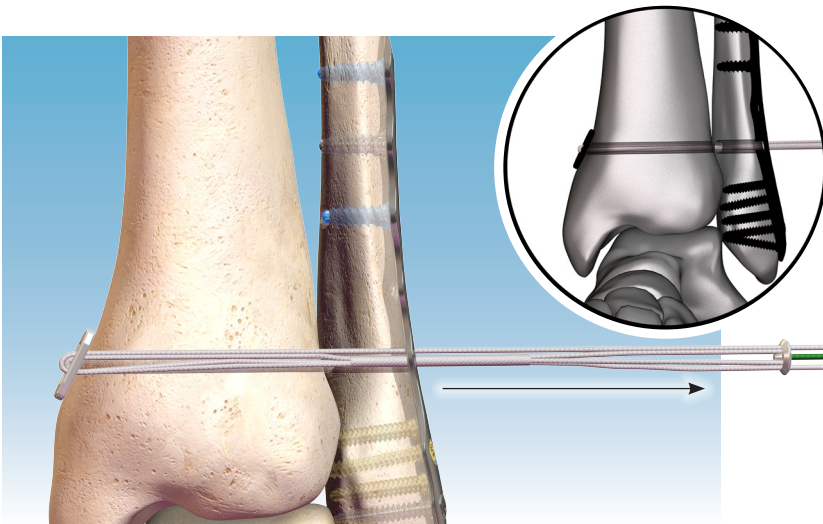
Implant Insertion

Insert and advance the needle of the Hercules Syndesmosis Implant System into the prepared canal. Advance the medial button through the Fibula and Tibia using the pull-through wire.



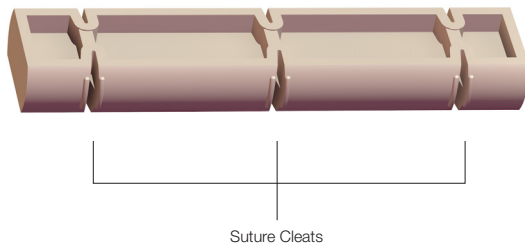
Advance and breach the skin of the medial side of the Tibia with the needle. Once the medial button has reached the medial side of the Tibia under the skin, pull on the Deploying Suture (green - connected to the medial button) to deploy/flip the button.





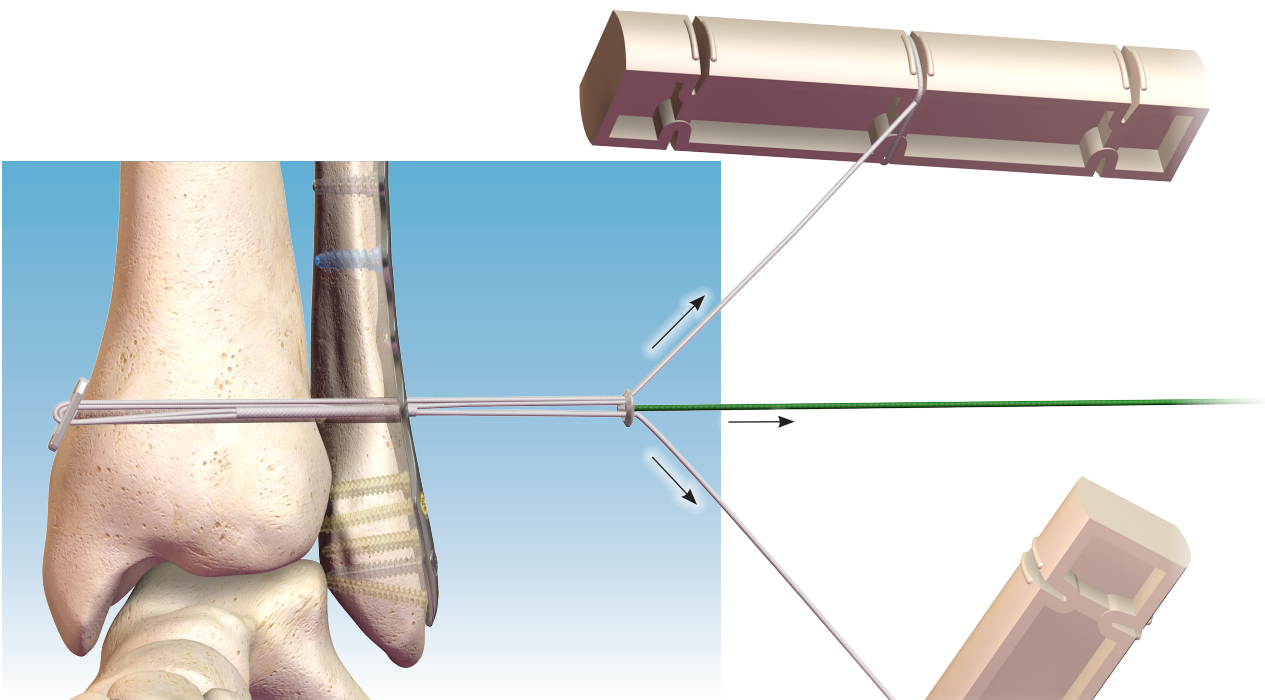
Check under fluoroscopy that the button has deployed. Pull on the custom implant suture (white) on the lateral side of the fibula to secure the medial button flat against the tibia. Then clip the deploying suture, needle and nitinol wire free of the construct.

HERCULES® Tensioning Handle



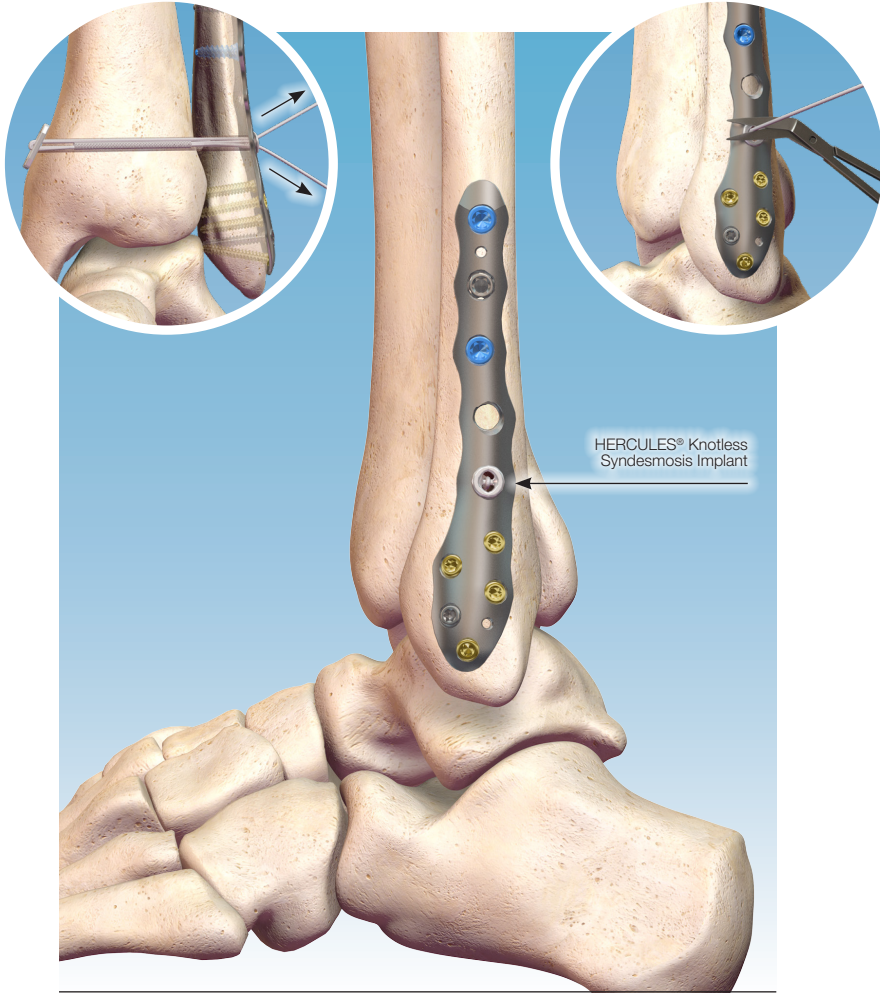
Tensioning

Use the tensioning handles to facilitate pulling the suture ends tight. Wrap each tail of the custom implant suture (white) around the tensioning handles using one of the available suture cleats in each. While maintaining mild tension on the Traction Suture (green), ensure the Custom Implant Suture tails (white) remain organized during tensioning. Pull the custom implant suture tails (white) one at a time toward the surgeon, outward and back in the same direction of the traction suture using the tensioning handles.



SURGICAL TECHNIQUE
HERCULES®

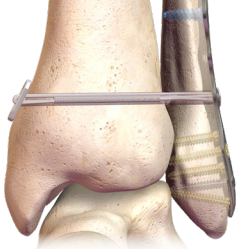
Knotless Syndesmosis Implant System



Once the lateral button is seated, cut the green traction suture and perform additional final tensioning prior to snipping the tails of the white custom implant suture.

Closure

Close by preferred methods.

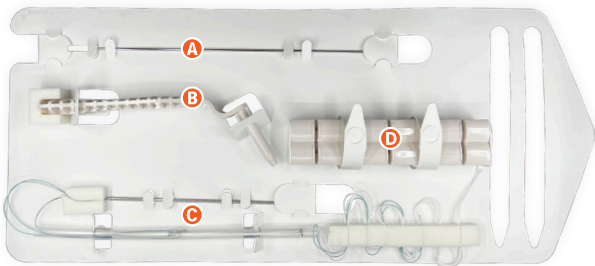


HERCULES®

Knotless Syndesmosis Implant System

Ordering Information

HERCULES® Syndesmosis Implant System Kit – A80 ST100



HERCULES® Syndesmosis Drill Kit, Ø3.5mm & Ø3.8mm – A08 S0001



DESCRIPTION	QTY.
A Guide Wire	1
B Wire Guide	1
C HERCULES® Syndesmosis Assembly Construct	1
D Tensioning Handle	2
E Syndesmosis 3.8mm Cannulated Drill	1
F Syndesmosis 3.5mm Cannulated Drill	1

(Optional) Solid Drill, Ø3.5mm, AO – C01 S0121



Compatible CoLink® Afx Implants

Refer to the CoLink Afx Surgical Technique for more information.

CoLink® Afx Lateral Fibula Plates



CATALOG NO	DESCRIPTION
P70 ST203	Lateral Fibula Plate.....3-hole..... Left
P70 ST103	Lateral Fibula Plate.....3-hole..... Right
P70 ST204	Lateral Fibula Plate.....4-hole..... Left
P70 ST104	Lateral Fibula Plate.....4-hole..... Right
P70 ST205	Lateral Fibula Plate.....5-hole..... Left
P70 ST105	Lateral Fibula Plate.....5-hole..... Right
P70 ST207	Lateral Fibula Plate.....7-hole..... Left
P70 ST107	Lateral Fibula Plate.....7-hole..... Right
P70 ST209	Lateral Fibula Plate.....9-hole..... Left
P70 ST109	Lateral Fibula Plate.....9-hole..... Right
P70 ST211	Lateral Fibula Plate.....11-hole..... Left
P70 ST111	Lateral Fibula Plate.....11-hole..... Right

CoLink® Afx One-Third Tubular Plate Plates



CATALOG NO	DESCRIPTION
P70 ST003	One-Third Tubular Plate ... 3-hole
P70 ST004	One-Third Tubular Plate ... 4-hole
P70 ST005	One-Third Tubular Plate ... 5-hole
P70 ST006	One-Third Tubular Plate ... 6-hole
P70 ST007	One-Third Tubular Plate ... 7-hole
P70 ST008	One-Third Tubular Plate ... 8-hole
P70 ST010	One-Third Tubular Plate ... 10-hole
P70 ST012	One-Third Tubular Plate ... 12-hole

CoLink® Afx 3.5mm Low-Pro Cortical Screws

CATALOG NO	DIA x LENGTH	STYLE
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
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
P73 ST042	3.5 x 42.5mm	Non-locking
P73 ST045	3.5 x 45mm	Non-locking
P73 ST047	3.5 x 47.5mm	Non-locking
P73 ST050	3.5 x 50mm	Non-locking
P73 ST052	3.5 x 52.5mm	Non-locking
P73 ST055	3.5 x 55mm	Non-locking
P73 ST057	3.5 x 57.5mm	Non-locking
P73 ST060	3.5 x 60mm	Non-locking

CoLink® Afx 3.5mm Locking Screws

CATALOG NO	DIA x LENGTH	STYLE
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
P73 ST142	3.5 x 42.5mm	Locking
P73 ST145	3.5 x 45mm	Locking
P73 ST147	3.5 x 47.5mm	Locking
P73 ST150	3.5 x 50mm	Locking
P73 ST152	3.5 x 52.5mm	Locking
P73 ST155	3.5 x 55mm	Locking
P73 ST157	3.5 x 57.5mm	Locking
P73 ST160	3.5 x 60mm	Locking

CoLink® Afx 4.0mm Cancellous Screws

CATALOG NO	DIA x LENGTH	STYLE
P74 ST010	4.0 x 10mm	Cancellous
P74 ST012	4.0 x 12mm	Cancellous
P74 ST014	4.0 x 14mm	Cancellous
P74 ST016	4.0 x 16mm	Cancellous
P74 ST018	4.0 x 18mm	Cancellous
P74 ST020	4.0 x 20mm	Cancellous
P74 ST022	4.0 x 22mm	Cancellous
P74 ST024	4.0 x 24mm	Cancellous
P74 ST026	4.0 x 26mm	Cancellous
P74 ST028	4.0 x 28mm	Cancellous
P74 ST030	4.0 x 30mm	Cancellous
P74 ST032	4.0 x 32mm	Cancellous
P74 ST034	4.0 x 34mm	Cancellous
P74 ST036	4.0 x 36mm	Cancellous
P74 ST038	4.0 x 38mm	Cancellous
P74 ST040	4.0 x 40mm	Cancellous
P74 ST042	4.0 x 42.5mm	Cancellous
P74 ST045	4.0 x 45mm	Cancellous
P74 ST047	4.0 x 47.5mm	Cancellous
P74 ST050	4.0 x 50mm	Cancellous
P74 ST052	4.0 x 52.5mm	Cancellous
P74 ST055	4.0 x 55mm	Cancellous
P74 ST057	4.0 x 57.5mm	Cancellous
P74 ST060	4.0 x 60mm	Cancellous

CoLink® Afx 3.5mm Variable Angle Locking

CATALOG NO	DIA x LENGTH	STYLE
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

CoLink® Afx 3.5mm Variable Angle Locking - cont.

CATALOG NO	DIA x LENGTH	STYLE
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
P73 ST242	3.5 x 42.5mm	Variable
P73 ST245	3.5 x 45mm	Variable
P73 ST247	3.5 x 47.5mm	Variable
P73 ST250	3.5 x 50mm	Variable
P73 ST252	3.5 x 52.5mm	Variable
P73 ST255	3.5 x 55mm	Variable
P73 ST257	3.5 x 57.5mm	Variable
P73 ST260	3.5 x 60mm	Variable

CoLink® Afx 2.7mm Low-Pro Cortical Screws

CATALOG NO	DIA x LENGTH	STYLE
P72 ST008	2.7 x 8mm	Non-locking
P72 ST010	2.7 x 10mm	Non-locking
P72 ST012	2.7 x 12mm	Non-locking
P72 ST014	2.7 x 14mm	Non-locking
P72 ST016	2.7 x 16mm	Non-locking
P72 ST018	2.7 x 18mm	Non-locking
P72 ST020	2.7 x 20mm	Non-locking
P72 ST022	2.7 x 22mm	Non-locking
P72 ST024	2.7 x 24mm	Non-locking
P72 ST026	2.7 x 26mm	Non-locking
P72 ST028	2.7 x 28mm	Non-locking
P72 ST030	2.7 x 30mm	Non-locking
P72 ST032	2.7 x 32.5mm	Non-locking
P72 ST035	2.7 x 35mm	Non-locking
P72 ST037	2.7 x 37.5mm	Non-locking
P72 ST040	2.7 x 40mm	Non-locking
P72 ST042	2.7 x 42.5mm	Non-locking
P72 ST045	2.7 x 45mm	Non-locking
P72 ST047	2.7 x 47.5mm	Non-locking
P72 ST050	2.7 x 50mm	Non-locking

CoLink® Afx 2.7mm Locking Screws

CATALOG NO	DIA x LENGTH	STYLE
P72 ST108	2.7 x 8mm	Locking
P72 ST110	2.7 x 10mm	Locking
P72 ST112	2.7 x 12mm	Locking
P72 ST114	2.7 x 14mm	Locking
P72 ST116	2.7 x 16mm	Locking
P72 ST118	2.7 x 18mm	Locking
P72 ST120	2.7 x 20mm	Locking
P72 ST122	2.7 x 22mm	Locking
P72 ST124	2.7 x 24mm	Locking
P72 ST126	2.7 x 26mm	Locking
P72 ST128	2.7 x 28mm	Locking
P72 ST130	2.7 x 30mm	Locking
P72 ST132	2.7 x 32.5mm	Locking
P72 ST135	2.7 x 35mm	Locking
P72 ST137	2.7 x 37.5mm	Locking
P72 ST140	2.7 x 40mm	Locking
P72 ST142	2.7 x 42.5mm	Locking
P72 ST145	2.7 x 45mm	Locking
P72 ST147	2.7 x 47.5mm	Locking
P72 ST150	2.7 x 50mm	Locking

CoLink® Afx 2.7mm Variable Angle Locking

CATALOG NO	DIA x LENGTH	STYLE
P72 ST208	2.7 x 8mm	Variable
P72 ST210	2.7 x 10mm	Variable
P72 ST212	2.7 x 12mm	Variable
P72 ST214	2.7 x 14mm	Variable
P72 ST216	2.7 x 16mm	Variable
P72 ST218	2.7 x 18mm	Variable
P72 ST220	2.7 x 20mm	Variable
P72 ST222	2.7 x 22mm	Variable
P72 ST224	2.7 x 24mm	Variable
P72 ST226	2.7 x 26mm	Variable
P72 ST228	2.7 x 28mm	Variable
P72 ST230	2.7 x 30mm	Variable
P72 ST232	2.7 x 32.5mm	Variable
P72 ST235	2.7 x 35mm	Variable
P72 ST237	2.7 x 37.5mm	Variable
P72 ST240	2.7 x 40mm	Variable
P72 ST242	2.7 x 42.5mm	Variable
P72 ST245	2.7 x 45mm	Variable
P72 ST247	2.7 x 47.5mm	Variable
P72 ST250	2.7 x 50mm	Variable

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Corporate Headquarters
In2Bones Global, Inc. • Memphis, TN • USA
844. 602. 6637 • Info@i2b-USA.com

International Office
In2Bones SAS • Lyon • France
+33 (0)4 72 29 26 26

In2Bones.com

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