Surgical Technique

smith&nephew

JET-X◇

Bar Unilateral Fixator

Distal Radius and Foot

JET-X BAR Unilateral Fixator

Distal Radius and Foot Surgical Technique

Contents

Nota Bene

The technique description herein is made available to the healthcare professional to illustrate the author's suggested treatment for the uncomplicated procedure. In the final analysis, the preferred treatment is that which addresses the needs of the specific patient.

Design Features

5mm to 6mm Clamp - MR SAFE

Part Number: 7106-2009

Description:

The 5mm to 6mm Clamp is designed to attach a 5mm half pin to a 6 mm composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly, but prevents passive release of pins or bars during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	.780 Inches
Overall Length	.810 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	1.650 Inches
Tightening Nuts	8mm
Bar Attachment	6.5mm
Pin Attachment	5mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 300 Stainless Steel
Wrench Needed:	8mm

Used With:

6mm Bar,
5mm Pin,
8mm Wrench

Standard Bar to Pin (4mm) Clamp

Part Number: 7106-2010

Description:

The Standard Bar to Pin (4mm) Clamp is designed to attach a half pin to a composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly, but prevents passive release of pins or bars during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	1.044 Inches
Overall Length	1.344 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	2.270 Inches
Tightening Nuts	10mm
Bar Attachment	10.5mm
Pin Attachment	4mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 17-4PH Stainless Steel
Wrench Needed:	10mm

Used With:

10.5mm Bar,
10mm Wrench

Mini Bar (6mm) to Pin (4mm) Clamp

Part Number: 7106-2011

Description:

The Mini Bar to Pin Clamp is designed to attach a half pin to a composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly, but prevents passive release of pins or bars during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	.780 Inches
Overall Length	.810 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	1.650 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Pin Attachment	4mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 17-4PH Stainless Steel
Wrench Needed:	8mm

Used With:

6mm Bar, 3mm Pin, 4mm Pin, 8mm Wrench

Mini Bar to Bar Clamp

Part Number: 7106-2012

Description:

The Mini Bar to Bar Clamp is designed to connect two composite bars. The design contains a cartridge capture mechanism that allows snap-fit assembly of the bars but prevents passive release of either bar during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	.780 Inches
Overall Length	.810 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	1.650 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 17-4PH Stainless Steel
Wrench Needed:	8mm

Used With:

10.5mm Bar, 5mm Pins, 10mm Wrench, A/O T-Handle Connector with 10mm Hex

Mini Multiple Pin Clamp

Part Number: 7106-2015

Description:

The Mini Multiple Pin Clamp is designed to attach half pins to a composite bar. The design allows for planar pin placement.

Engineering Data:

Overall Width	.630 Inches
Overall Length	1.700 Inches
Overall Height	1.040 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Pin Attachment	4mm
Material	7075 T-6 Aluminum Anodized
	17-4PH Stainless Steel
Wrench Needed:	8mm

Used With:

10.5mm Bar, 10mm Wrench, A/O T-Handle Connector with 10mm Hex

Mini Double Pin Clamp with Ball Joint

Part Number: 7106-2016

Description:

The Mini Double Pin Clamp is designed to attach two half pins to a composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly, but prevents passive release of pins and a bar during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	.780 Inches
Overall Length	1.800 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	1.701 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Pin Attachment	4mm
Material	7075 T-6 Aluminum Anodized
	Ti-6Al-4V Titanium
	300 Stainless Steel
Wrench Needed:	8mm

Used With:

10.5mm Bar, ILIZAROV Composite Rings, 10mm Wrench, A/O T-Handle Connector with 10mm Hex

Standard Bar to Bar (6mm) Clamp

Part Number: 7106-2019

Description:

The Standard Bar to Pin or Bar (6mm) Clamp is designed to connect two composite bars or a 6mm pin to a composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly of the bars but prevents passive release of either bar during reduction. The design contains a balljoint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Used With:

10.5mm Bar, 6mm Bar, 6mm Pin, 10mm Wrench, A/O T-Handle Connector with 10mm Socket

Engineering Data:

Overall Width	1.044 Inches
Overall Length	1.344 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	2.270 Inches
Tightening Nuts	10mm
Bar Attachment	10.5mm
Bar/Pin Attachment	6mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 17-4PH Stainless Steel
Wrench Needed:	10mm

Mini Bar (6mm) to Pin (4mm) Clamp - MR SAFE

Part Number: 7106-4011

Description:

The Mini Bar to Pin Clamp is designed to attach a half pin to a composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly, but prevents passive release of pins or bars during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Used With:

6mm Bar, 3mm Pin, 4mm Pin, 8mm Wrench

Engineering Data:

Overall Width	.780 Inches
Overall Length	.810 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	1.650 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Pin Attachment	4mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 300 Series Stainless Steel
Wrench Needed:	8mm

Mini Bar to Bar Clamp - MR SAFE

Part Number: 7106-4012

Description:

The Mini Bar to Bar Clamp is designed to connect two composite bars. The design contains a cartridge capture mechanism that allows snap-fit assembly of the bars but prevents passive release of either bar during reduction. The design contains a ball joint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	.780 Inches
Overall Length	.810 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	1.650 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 300 Series Stainless Steel
Wrench Needed:	8mm

Used With:

6mm Mini Bar, 8mm Wrench, 6 mm V-Bar

Mini Multiple Pin Clamp - MR SAFE

(Not Shown)

Part Number: 7106-4015

Description:

The Mini Multiple Pin Clamp is designed to attach half pins to a composite bar. The design allows for planar pin placement.

Engineering Data:

Overall Width	.630 Inches
Overall Length	1.700 Inches
Overall Height	1.040 Inches
Tightening Nuts	8mm
Bar Attachment	6mm
Pin Attachment	4mm
Material	7075 T-6 Aluminum Anodized 300 Series Stainless Steel
Wrench Needed:	8mm

Used With:

6mm Mini Bar, 3mm Pin, 4mm Pin, 8mm Wrench, Mini Tissue Protector/ Drill Sleeve

Standard Bar to Bar (6mm) Clamp - MR SAFE

Part Number: 7106-4019

Description:

The Standard Bar to Pin or Bar (6mm) Clamp is designed to connect two composite bars or a 6mm pin to a composite bar. The design contains a cartridge capture mechanism that allows snap-fit assembly of the bars but prevents passive release of either bar during reduction. The design contains a balljoint mechanism that allows multi-planar movement in any direction up to 50° included and allows 360° of rotation.

Engineering Data:

Overall Width	1.044 Inches
Overall Length	1.344 Inches
Total Rotation	360°
Total Angulations	50° Included
Overall Height	2.270 Inches
Tightening Nuts	10mm
Bar Attachment	10.5mm
Bar/Pin Attachment	6mm
Material	7075 T-6 Aluminum Anodized Ti-6Al-4V Titanium 300 Stainless Steel
Wrench Needed:	10mm

Used With:

10.5mm Bar, 6mm Bar, 6mm Pin, 10mm Wrench, A/O T-Handle Connector with 10mm Socket

Composite Bar

Part Number: 7106-5050 - 50mm
7106-5075 - 75mm
7106-5150 - 150mm
7106-5225 - 225mm

Description:

A 6mm Mini Composite Bar made from unidirectional carbon fiber laminate. Designed with a round cross section for strength and stiffness.

Engineering Data:

Overall Diameter	6mm
Overall Length	50mm, 75mm, 150mm, 225mm
Material	Carbon Fiber Composite

Used With:

Mini Bar to Bar Clamps, Mini Bar to Pin Clamps, Standard Bar to Bar (6mm) Clamp, 5mm to 6mm Clamp, Mini Multi Pin Clamp

Aluminum V-Bar

Part Number: 7106-5180

Description:

6061 T6 Aluminum V-Bar. Designed for use in the proximal tibia and ankle for stable fixation of fractures.

Engineering Data:

Overall Diameter	6mm
Overall Length	6.000 Inches
Material	6061 T6 Aluminum
Angle	40° on each bend

Wrench Needed: 8mm

Used With:

Mini Bar to Bar Clamp, Mini Bar to Pin Clamp, Mini Multiple Pin Clamp, Standard Bar to Bar (6mm) Clamp, 5mm to 6mm Clamp

6mm Offset Bar

Part Number: 7106-5226

Description:

The 6mm Mini Offset Bar is compatible with the Jet-X Mini Clamps. Designed with a round cross section for strength and stiffness. The offset allows for rotation of the bar for fragment translation.

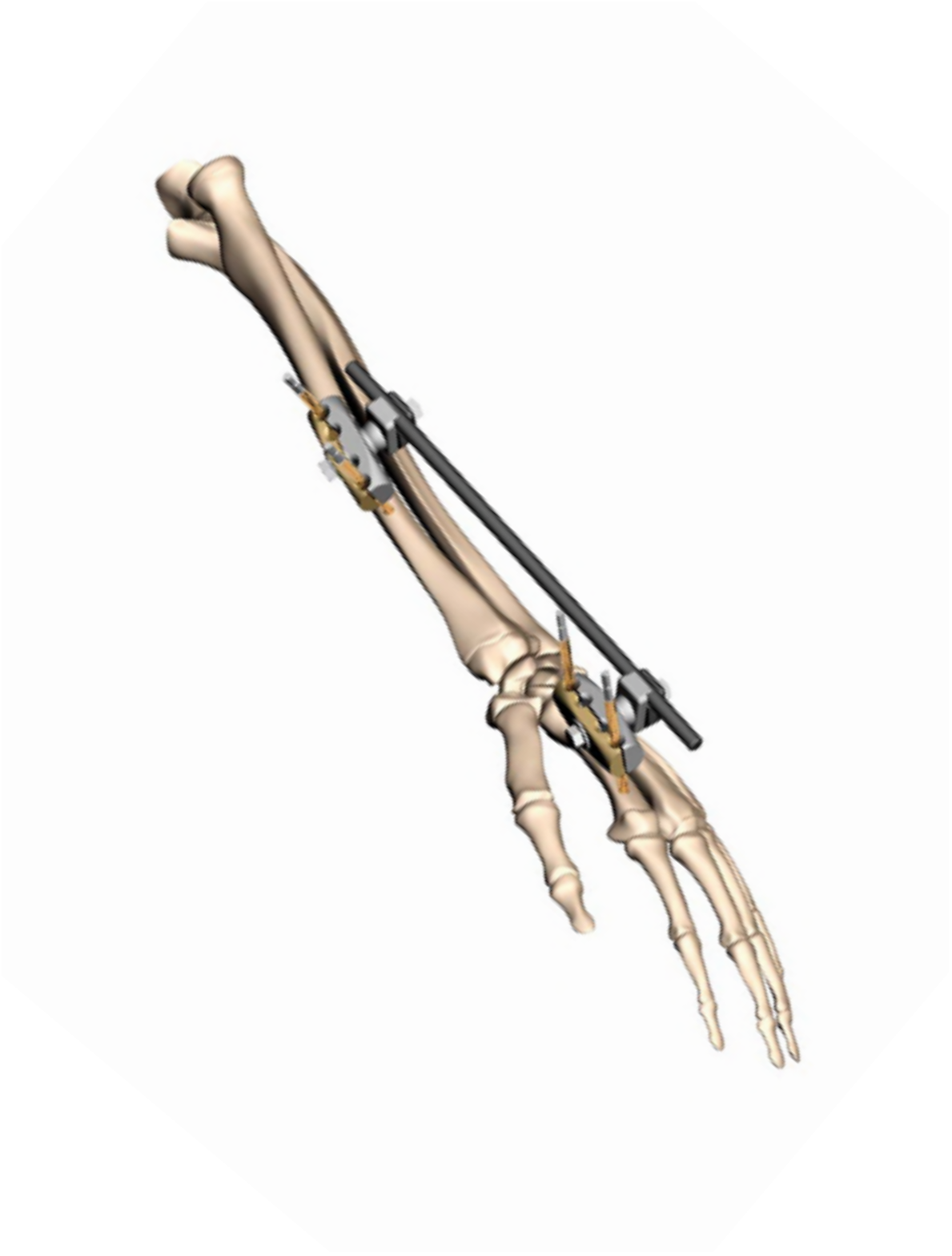
Engineering Data:

Overall Diameter	6mm
Overall Length	9.0 Inches
Material	Ti-6Al-4V Titanium
Overall Height of Offset	1.236 Inches

Used With:

Mini Bar to Bar Clamps, Mini Bar to Pin Clamps, Mini Double Pin Clamp, 5mm to 6mm Clamp, Mini Multi Pin Clamp

Distal Radius Surgical Technique



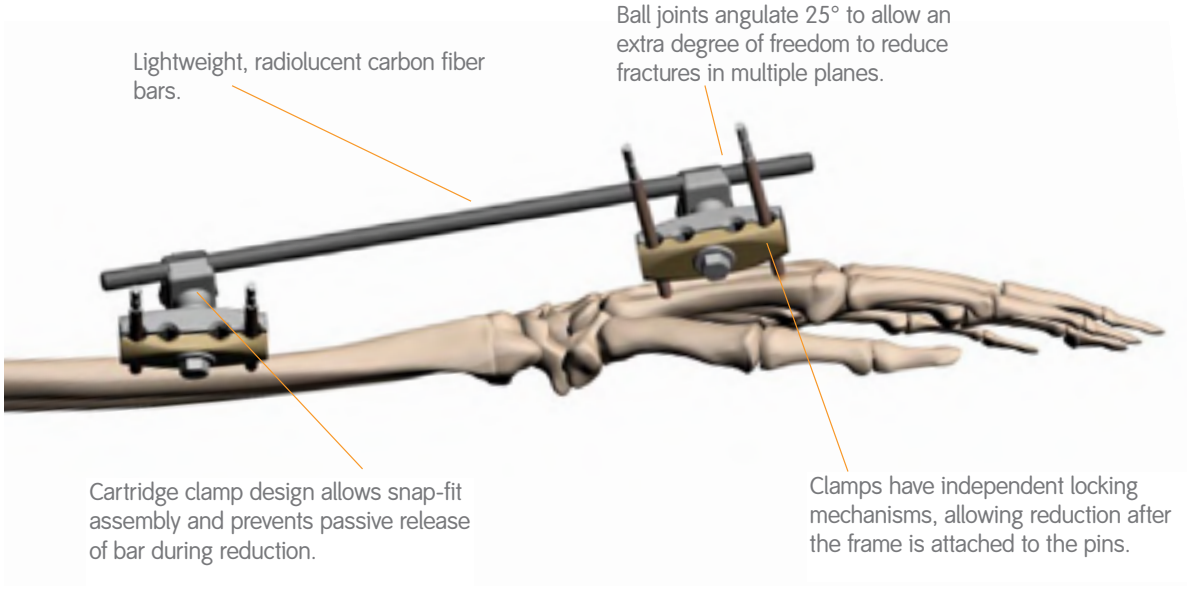
JET-X Mini Bar Distal Radius Fixator

The JET-X Mini Bar External Fixator System offers a simple solution for treatment of distal radial fractures. Designed for ease of application, the JET-X Mini Double Pin Clamp facilitates fracture reduction while providing stability in a low-profile and lightweight design. The ball joint feature provides the ability to easily position the wrist in multiple planes to aid in fracture reduction.

Indications

The Smith & Nephew JET-X Mini Bar Distal Radius Fixator System is indicated for the management of fractures of the distal radius as a primary treatment device. This indication includes fixation supplementary to ORIF.

Design Features



JET-X Mini Double Pin Clamp

Patient Prep and Patient Positioning

Under the appropriate anesthesia, the affected upper extremity is prepared sterile over an arm table. The arm can be positioned with a counter-traction post at the elbow, placing the thumb and index finger in sterile finger traps to apply initial traction and aid in fracture reduction.

Alternative Patient Positioning

The frame can be applied and traction achieved manually with the frame as a reduction device.

JET-X Bar Unilateral Fixator Distal Radius Surgical Technique

Metacarpal Pin Placement

Pins with a 15mm thread length are provided for use in the metacarpal. An adequate incision is made along the palpable edge of the index metacarpal to expose the metacarpal surface. This ensures that the extensor tendon is protected during drill and pin insertion. A small elevator should be used in a side-to-side motion to ensure that no extensor mechanism will be entrapped in metacarpal pins. Retract soft tissues for drill guide placement down to bone.

The double pin drill sleeves are connected to the double pin drill guide to provide a drill guide/sleeve assembly.

Note: To ensure a stable construct, pin spacing should be maximized when possible. Care should be taken to prevent pin placement in the mid-diaphyseal metacarpal shaft due to stress riser concerns.

The drill guide/sleeve assembly is placed such that the metacarpal pins are oriented 40° to 60° dorsal to the coronal plane.

Metacarpal Pin Insertion

The first pin site is predrilled using the 2mm drill bit through the drill guide/sleeve assembly. A 3mm pin is then inserted using the disposable insertion wrench and Zimmer/Hall adapter assembly until both cortices are engaged. Repeat the process to insert the second 3mm metacarpal pin.

Radial Pin Placement

Pins with a 20mm thread length are provided for use in the radius. An adequate incision is made at the planned site for pin insertion in the radius. Bluntly dissect down to bone, placing the double pin drill guide in place. Care should be taken to avoid the superficial radial nerve that is at risk in this area.

The drill guide/sleeve assembly is placed such that the proximal radial pins are oriented 40° to 60° dorsal to the interosseous plane.

Radial Pin Insertion

The first pin site is predrilled using the 2mm drill bit through the drill guide/sleeve assembly. A 3mm pin is then inserted using the disposable insertion wrench and Zimmer/Hall adapter assembly until both cortices are engaged. Repeat the process to insert the second 3mm pin.

Frame Application

The double pin clamps are placed over the metacarpal and radial pin groups. Ensure proper soft tissue clearance, and tighten the bolt on the pin side of each clamp using the disposable 8mm wrench.

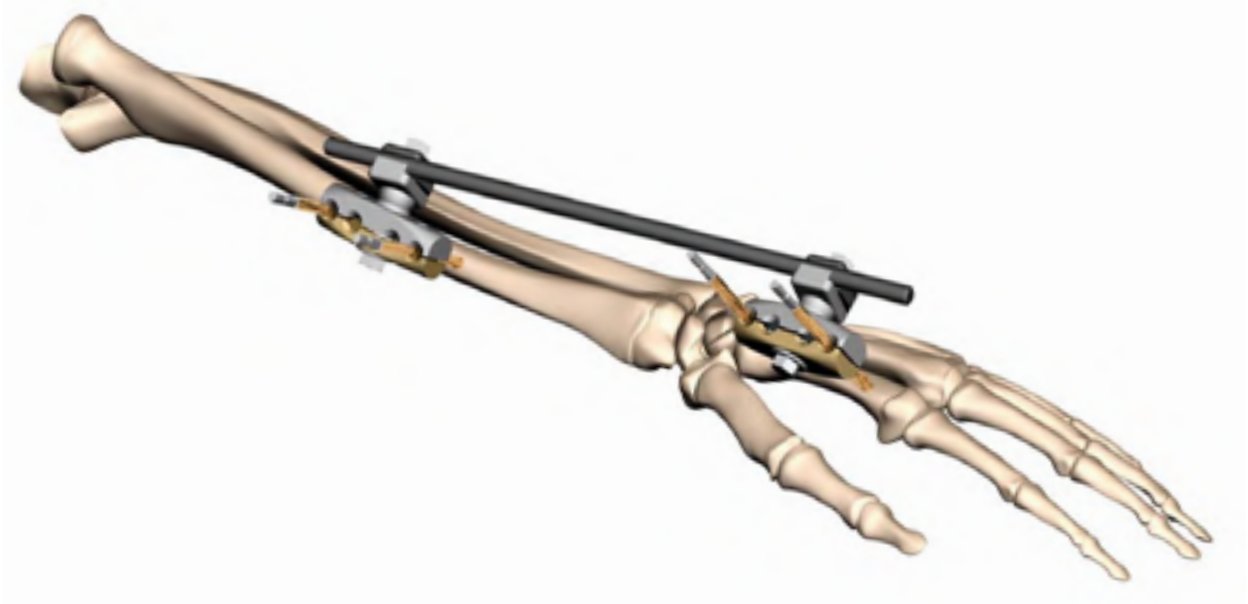
Fracture Reduction

The composite bar should now be attached to the clamps. This is achieved by pushing the bar against the upper jaw of the clamp of both the radial and metacarpal pin clamps until the bar snaps into place.

Ensure that the fracture is properly reduced. Fracture reduction adjustment can be made before the nut on the bar side of the mini double pin clamp is locked into place.

The frame can be used to help reduce the fracture. Each pin cluster can be used as a handle to manipulate the fracture until adequate reduction is achieved. Minor adjustments can be made to perfect the reduction if necessary. Once reduction is satisfactory, tighten the bar side of the clamp on the metacarpal pin clamp using the disposable 8mm wrench. The frame is then locked by tightening the bar side of the clamp on the radial pin clamp.

Check the frame to ensure that all tightening points on the clamps are locked.



Catalog Information

Mini Bar External Fixator
Cat. No. 7106-4701 Sterile Kit for JET-X Mini Bar*

*Kit includes all parts on this page only.

2mm Graduated Drill
Quantity in Kit 1

Mini Bar External Fixator 3mm Half Pin 3mm X 20mm
Quantity in Kit 2

Mini Bar External Fixator 3mm Half Pin 3mm X 15mm
Quantity in Kit 2

6mm X 225mm Composite Straight Bar
Quantity in Kit 1

4mm Protective Cap
Quantity in Kit 4

Disposable Insertion Wrench
Quantity in Kit 1

Disposable Zimmer/Hall Adapter
Quantity in Kit 1

Disposable 8mm Wrench
Quantity in Kit 1

Mini Double Pin Clamp with Ball Joint
Quantity in Kit 2

Disposable Double Pin Drill Guide
Quantity in Kit 1

Disposable Double Pin Drill Sleeve
Quantity in Kit 2

Foot Surgical Technique

Indications

Temporary or definitive stabilization of fractures of the foot. Adjunct to external fixation for treatment of tibial shaft fractures, especially those with severe soft tissue injuriesto the tibia and foot. In these situations, potential soft tissue contractures will compromise the ability to maintain a plantigrade foot with the subsequent development of equinous contractures.

JET-X Bar Unilateral Fixator Foot Surgical Technique

Pin Insertion

Make a stab incision at the desired pin site. Dissect down to bone using a small elevator, being careful to elevate the periosteum, so that the drill and pin avoid as much soft tissue as possible. Place the mini drill sleeve/tissue protector through the stab incision to the bone.

Note: Pre-drilling is optional when using the JET-X Half Pins which are self-drilling and self tapping.

Using the 2.0 (for 3mm pin) or 2.7 (for 4mm pin) drill; pre-drill the bone, using the C-arm to assist in pre-drilling. Measure using the drill and sleeve combination to determine pin thread length. Remove the drill sleeve and insert the appropriate 3mm or 4mm half pin.

Pin Placement/ Frame Construction

Tibial Pins Placement

In the face of a tibial shaft fracture and the desire to maintain the foot in neutral, a simple stable tibia frame is achieved by placing four 5mm pins with maximal spread along the length of the bone.

However if you need only the foot portion of the frame (in the case of a severe isolated foot injury or soft tissue injury), the tibial component can be achieved with only two tibial pins placed into the distal one third of the tibia and then connecting the two pins with a simple bar.

Tibial Frame Construction

Connect Bar to Pin Clamps to the tibial pins. Attach a 10.5mm bar of the appropriate length to the tibial pins. The bar should be positioned two finger breadths above skin level to allow for soft tissue swelling. Tighten the pin side of the Bar to Pin Clamps with a 10mm wrench.

Metatarsal Pin Placement

Place the desired half pin size (3mm or 4mm) into first and fifth metatarsals. The location of the pins are crucial to maintain the foot in a neutral position and avoid any forefoot pronation or supination.
This requires two pins placed into the forefoot. The first pin is placed into the base of the first metatarsal at a slight angle into the anterior medial aspect. This is done to avoid tethering of the extensor tendons. Similarly, a pin is placed into the base of either the 4th or 5th metatarsal, again at a slight angle to avoid extensor tendon tethering and entrapment.

Foot Frame Construction

Snap a (Red) Mini Bar (6mm) to Bar (10.5mm) Clamp to the distal end of the 10.5mm bar. Snap a (Gold) Mini Bar (6mm) to Pin (4mm) Clamp to the half pin in the first metatarsal and tighten the pin side of the clamp using a 6mm wrench. Use a 6mm tbar of the appropriate length to connect the (Red) Mini Bar (6mm) to Bar (10.5mm) Clamp and the (Gold) Mini Bar (6mm) to Pin (4mm) Clamp, leaving enough room at the proximal end of the bar to snap on a (Black) Mini Bar (6mm) to Bar (6mm) Clamp. Tighten the 6mm Clamp using a 10mm wrench.

Snap a Mini Bar (6mm) to Pin (4mm) Clamp to the half pin in the fifth metatarsal and tighten the pin side of the clamp using a 6mm wrench. Use a 6mm bar of the appropriate length to connect the Mini Bar (6mm) to Bar (6mm) Clamp to the Mini Bar (6mm) to Pin (4mm) Clamp.Apply reduction maneuvers as needed to achieve a plantigrade ankle and avoid any forefoot supination or pronation. Confirm with C-arm. Tighten all Mini Bar to Pin and Bar to Bar Clamps.

Catalog Information

Bar to Pin Clamp
Cat. No. 7106-2009
7106-4009 (MR SAFE)

Mini Bar (10.5mm) to Pin (4mm) Clamp
Cat. No. 7106-2010
7106-4010 (MR SAFE)

Mini Bar (6mm) to Pin (4mm) Clamp
Cat. No. 7106-2011
7106-4011 (MR SAFE)

Mini Bar (6mm) to Pin (4mm) Clamp
Cat. No. 7106-2012
7106-4012 (MR SAFE)

Mini Multiple Pin Clamp
Cat. No. 7106-2015
7106-4015 (MR SAFE)

Mini Double Pin Clamp with Ball Joint
Cat. No. 7106-2016
7106-4016 (MR SAFE)

4mm Pin Cap
(Not Shown)
Cat. No. 7106-2017

Mini Bar (6mm) to Bar (10.5mm) Clamp
Cat. No. 7106-2019
7106-4019 (MR SAFE)

Mini Tray
(Not Shown)
Cat. No. 7106-3200

Drill/3mm Half Pin
Cat. No. 7106-3203

Drill/4mm Half Pin
Cat. No. 7106-3204

Mini Tissue/Drill Sleeve
Cat. No. 7106-3205

Composite Bars

Cat. No.	Size
7106-5050	50mm
7106-5075	75mm
7106-5150	150mm
7106-5180	80mm
7106-5225	225mm
7106-5226	226mm

4smm Short Tissue Protector
(Not Shown)
Cat. No. 7106-3207

Ratchet Wrenches

Cat. No.	Size
7106-3210	8mm
7106-3003	10mm

A/O T-Handle Connector with 10mm Socket

Cat. No. 7106-3011

Mini Drill Guide

Cat. No. 7106-3211

Mini Multiple Pin Clamp

Cat. No. 7106-2015
7106-4015 (MR SAFE)

4mm Trocar

Cat. No. 7106-3212

Mini Distractor Clip

(Not Shown)
Cat. No. 7106-3213

4mm Drill Sleeve

(Not Shown)
Cat. No. 7106-3206

Titanium Nitride (TiN)-Coated and Stainless Steel Half Pins

Cat. No.	Thread Diameter	Shank	Material	Thread Length	Pin ength*
7106-3101	3mm	4mm	SST	10mm	65mm
7106-3151	3mm	4mm	SST	15mm	65mm
7106-3201	3mm	4mm	SST	20mm	65mm
7106-3251	3mm	4mm	SST	25mm	65mm
7105-3151	3mm	4mm	TiN	15mm	65mm
7105-3201	3mm	4mm	TiN	20mm	65mm
7105-3251	3mm	4mm	TiN	25mm	65mm
7106-3108	3mm	4mm	TiN	10mm	65mm
7106-3158	3mm	4mm	TiN	15mm	65mm
7106-3208	3mm	4mm	TiN	20mm	65mm
7106-3258	3mm	4mm	TiN	25mm	65mm
7106-4151	4mm	4mm	SST	15mm	95mm
7106-4201	4mm	4mm	SST	20mm	95mm
7106-4251	4mm	4mm	SST	25mm	95mm
7106-4301	4mm	4mm	SST	30mm	95mm
7106-4351	4mm	4mm	SST	35mm	95mm
7105-4151	4mm	4mm	TiN	15mm	95mm
7105-4201	4mm	4mm	TiN	20mm	95mm
7105-4251	4mm	4mm	TiN	25mm	95mm
7105-4301	4mm	4mm	TiN	30mm	95mm
7105-4351	4mm	4mm	TiN	35mm	95mm
7106-4158	4mm	4mm	TiN	15mm	95mm
7106-4208	4mm	4mm	TiN	20mm	95mm
7106-4258	4mm	4mm	TiN	25mm	95mm
7106-4308	4mm	4mm	TiN	30mm	95mm
7106-4358	4mm	4mm	TiN	35mm	95mm

7106-9350 Mini Instrument Set

Cat. No.	Description	Quantity in Set
7106-3001	A/O T-Handle Connector with 10mm	1
7106-3003	10mm Ratchet	1
7106-3200	Mini Tray	1
7106-3203	Drill/3mm Short Half Pin	2
7106-3204	Drill/4mm Short Half Pin	2
7106-3205	Mini Drill Sleeve/Tissue Protector	2
7106-3211	Mini Drill Guide	1
7106-3212	Mini Trocar	1
7112-9401	All Outer Case - 2.4"	1
7112-9402	Lid for Outer Case	1

7106-9250 Mini Implant Set with TiN Half Pins

Cat. No.	Description	Quantity in Set
7106-2010	Bar 10.5mm to Clamp 4mm	4
7106-2011	6mm to 4mm Clamp	12
7106-2012	6mm to 6mm Clamp	6
7106-2015	Multiple Pin Clamp	2
7106-2019	Standard Bar to 6mm Bar Clamp	4
7106-3108	3mm x 10mm x 175mm TiN	4
7106-3158	3mm x 15mm x 175mm TiN	4
7106-3208	3mm x 20mm x 175mm TiN	4
7106-3258	3mm x 25mm x 175mm TiN	4
7106-4158	4mm x 15mm x 175mm TiN	4
7106-4208	4mm x 20mm x 175mm TiN	4
7106-4258	4mm x 25mm x 175mm TiN	4
7106-4308	4mm x 30mm x 175mm TiN	4
7106-4358	4mm x 35mm x 175mm TiN	4
7106-5050	6mm x 50mm Bar	4
7106-5075	6mm x 75mm Bar	4
7106-5150	6mm x 150mm Bar	4
7106-5180	6mm V Bar	2
7106-5225	6mm x 225mm Bar	4

7106-9251 Mini Implant Set with SST Half Pin

Cat. No.	Description	Quantity in Set
7106-2010	Bar 10.5mm to Clamp 4mm	4
7106-2011	6mm to 4mm Clamp	12
7106-2012	6mm to 6mm Clamp	6
7106-2015	Multiple Pin Clamp	2
7106-2019	Standard Bar to 6mm Bar Clamp	4
7106-3101	3mm x 10mm x 175mm	4
7106-3151	3mm x 15mm x 175mm	4
7106-3201	3mm x 20mm x 175mm	4
7106-3251	3mm x 25mm x 175mm	4
7106-4151	4mm x 15mm x 175mm	4
7106-4201	4mm x 20mm x 175mm	4
7106-4251	4mm x 25mm x 175mm	4
7106-4301	4mm x 30mm x 175mm	4
7106-4351	4mm x 35mm x 175mm	4
7106-5050	6mm x 50mm Bar	4
7106-5075	6mm x 75mm Bar	4
7106-5150	6mm x 150mm Bar	4
7106-5180	6mm V Bar	2
7106-5225	6mm x 225mm Bar	4

7106-9252 Mini Implant Set with TiN Half Pins

Cat. No.	Description	Quantity in Set
7105-3101	3mm x 10mm x 175mm Ti	4
7105-3151	3mm x 15mm x 175mm Ti	4
7105-3201	3mm x 20mm x 175mm Ti	4
7105-3251	3mm x 25mm x 175mm Ti	4
7105-4151	4mm x 15mm x 175mm Ti	4
7105-4201	4mm x 20mm x 175mm Ti	4
7105-4251	4mm x 25mm x 175mm Ti	4
7105-4301	4mm x 30mm x 175mm Ti	4
7105-4351	4mm x 35mm x 175mm Ti	4
7106-2010	Bar 10.5mm to Clamp 4mm	4
7106-2011	6mm to 4mm Clamp	12
7106-2012	6mm to 6mm Clamp	6
7106-2015	Multiple Pin Clamp	2
7106-2019	Standard Bar to 6mm Bar Clamp	4
7106-5050	6mm x 50mm Bar	4
7106-5075	6mm x 75mm Bar	4
7106-5150	6mm x 150mm Bar	4
7106-5180	6mm V Bar	2
7106-5225	6mm x 225mm Bar	4

Orthopaedics
Smith & Nephew, Inc.
1450 Brooks Road
Memphis, TN 38116
USA

Telephone: (901) 396-2121
Information: 1-800-821-5700
Orders and Inquiries: 1-800-238-7538

www.smith-nephew.com

30036403002 7108-0631 02/05