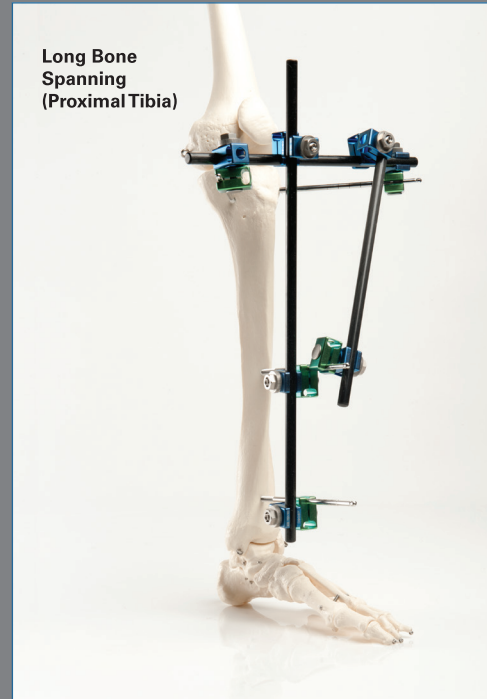




**Ankle Spanning  
with Forefoot  
Extension  
Foot Pin**



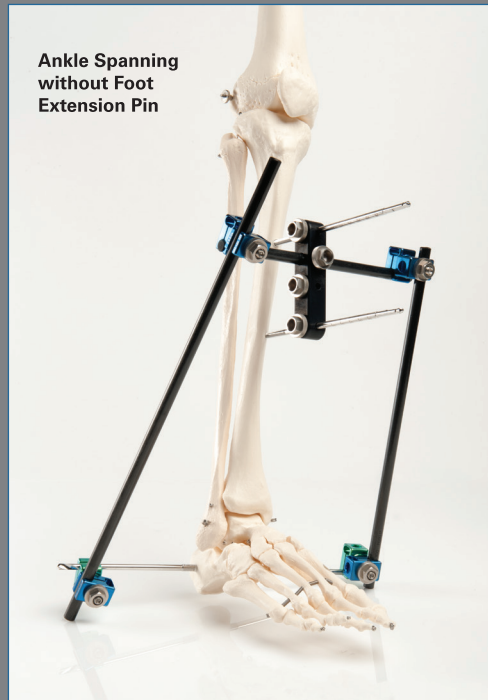
**Knee Spanning  
with Independent  
Pin-to-Bar  
Connectors**



**Long Bone  
Spanning  
(Proximal Tibia)**



**Knee Spanning  
with Monoblock  
Connectors**



**Ankle Spanning  
without Foot  
Extension Pin**

**Part Number Description**

0225	4.0mm Calibrated Drill
0249	2.0mm Drill
0326-000	4mm Drill Guide
0611-000	Drill Sheath, External Fixation
1151-100	Clamp, 5.0mm Pin - 9.5mm Rod
1151-200	Clamp, 9.5mm Rod - 9.5mm Rod
1152-200	Carbon Fiber Rod, 9.5mm x 200mm
1152-250	Carbon Fiber Rod, 9.5mm x 250mm
1152-300	Carbon Fiber Rod, 9.5mm x 300mm
1152-400	Carbon Fiber Rod, 9.5mm x 400mm
1152-450	Carbon Fiber Rod, 9.5mm x 450mm
1152-500	Carbon Fiber Rod, 9.5mm x 500mm
1152-600	Carbon Fiber Rod, 9.5mm x 600mm
1158	Multi-Pin Clamp
1160-180	5.0mm x 180mm Threaded Half Pin
1160-220	5.0mm x 220mm Threaded Half Pin
1161	6.0mm Threaded Center Pin
1162	3.0mm x 100mm Threaded Half Pin
1153-000	Wrench, External Fixation
1154-000	Wrench, T-Handle, Pin Inserter
1154-100	Wrench, T-Handle

**References**

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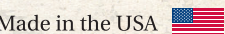
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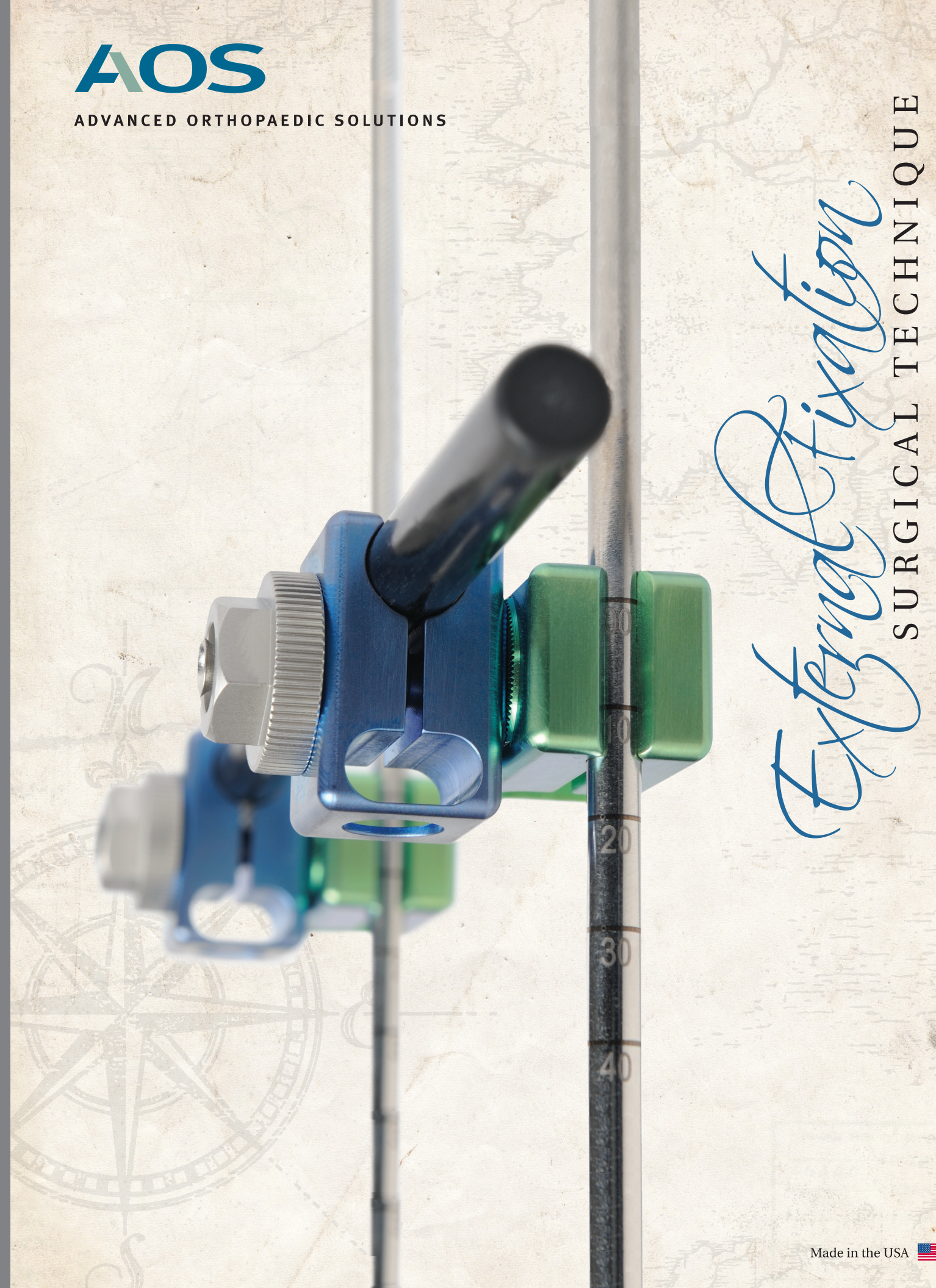


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*External Fixation*  
SURGICAL TECHNIQUE



## Independent Pin-to-Bar Clamp - Instructions for Use

**1**

**Option 2  
T-Handle**

**Pin Insertion**

Insert the self-drilling 5.0mm Threaded Half Pin (1160) into the pilot hole using the 5.0mm Sheath (0611) and T-Handle Pin Inserter (1154-100). If pre drilling is desired, a 4.0mm Calibrated Drill (0225) can be used.

**Note:** If preferred, power may be used.

**2**

**Pin to Clamp  
(Snap On) or  
Blue & Green  
Clamp**

Secure the Pin-to-Bar Clamp (1151-100) in the desired location of the Threaded Half Pin, use the snap on feature of clamp then tighten locking nut.

**3**

**Bar to Clamp  
(Snap On)**

Attach the optimal length Carbon Fiber Rod with snap on feature and tighten for stability using the Wrench (1153).

**4**

**Bar to Bar -  
Blue & Blue**

Connect units with appropriate length Carbon Fiber Rods utilizing the snap on Bar-to-Bar Clamps (1151-200).

## Multi Pin Clamp Assembly - Instructions for Use

**1**

**Pin Insertion with Clamp**

Once the 5.0mm Threaded Half Pin (1160) is inserted slide the Multi Pin Clamp over the Half Pin to the desired depth and tighten the locking nut using the Wrench (1153).

**2**

**Secondary Pin**

Insert the 4.0mm Drill Guide (0326) through the next desired hole for pin placement and drill secondary hole using the self-drilling 5.0mm Threaded Half Pin (1160). If pre drilling is desired, a 4.0mm Calibrated Drill (0225) can be used. Remove Drill Guide and insert the self drilling 5.0mm Threaded Half Pin using the T-Handle Pin Inserter.

**Note:** If Drill Guide is not used, 5mm should be subtracted from the depth of the 4.0mm Calibrated Drill.

**3**

**Bar to Clamp**

Insert the Carbon Fiber Rod into the M/L hole on the Multi Pin Clamp assembly and firmly tighten the locking nut.

**Note:** The Carbon Fiber Rod can be positioned more medially or laterally depending on anatomy and/or construct.

**4**

**Bar to Bar**

Connect units with appropriate length Carbon Fiber Rods utilizing the snap on Bar-to-Bar Clamps (1151-200).