

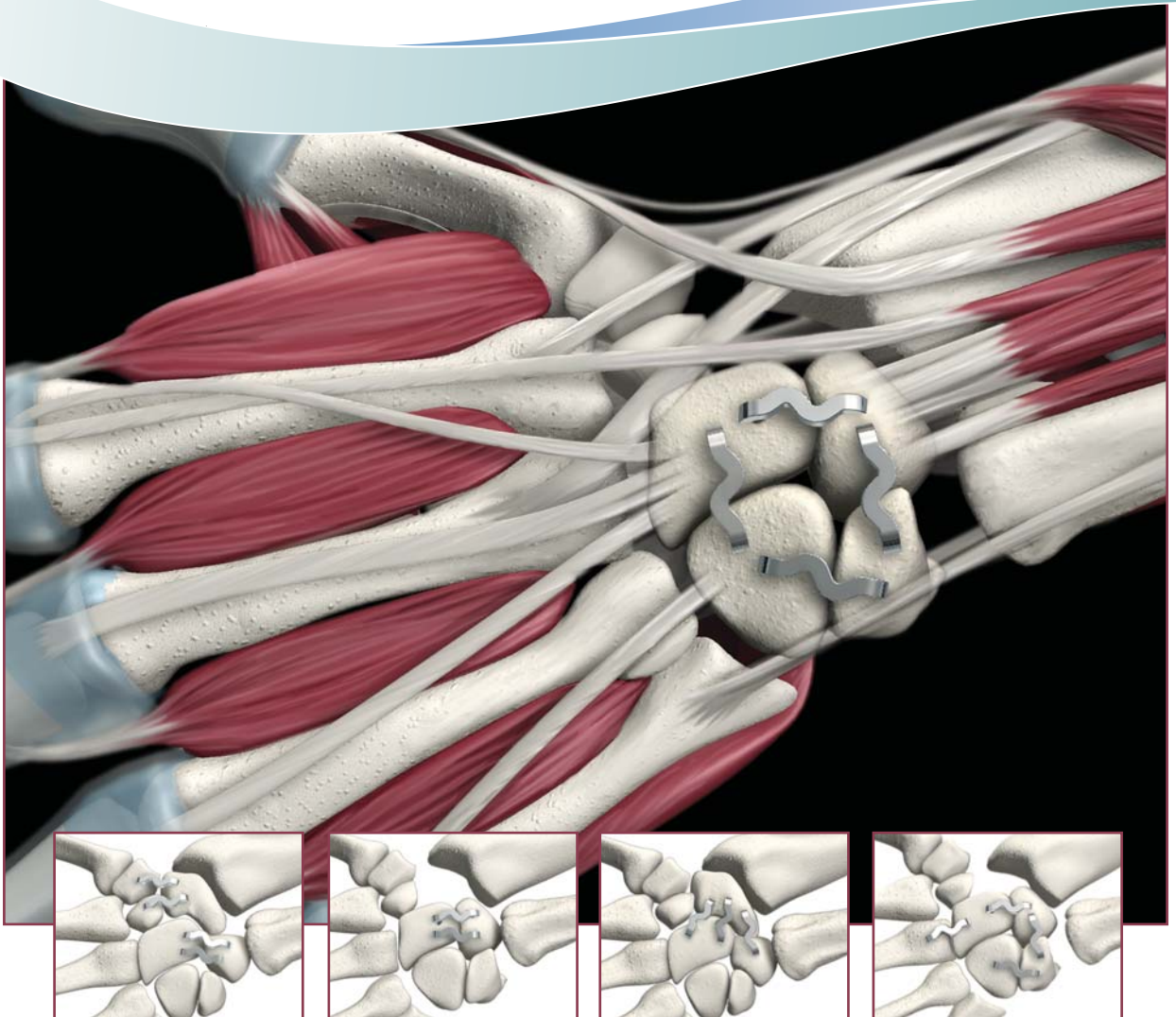


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Shape Memory Staple System for Arthrodesis and Skeletal Fixation of the Hand

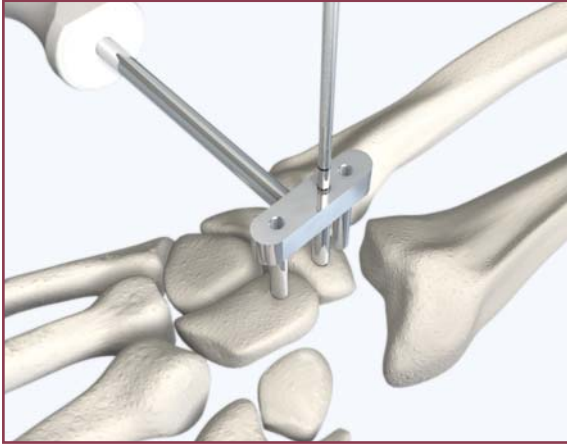
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## SURGICAL TECHNIQUE

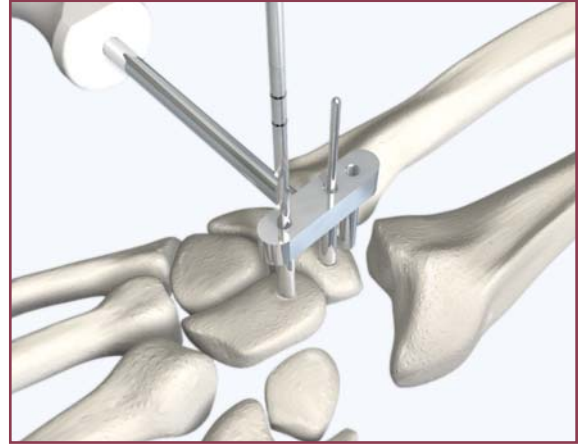


*Technology Serving Technique*

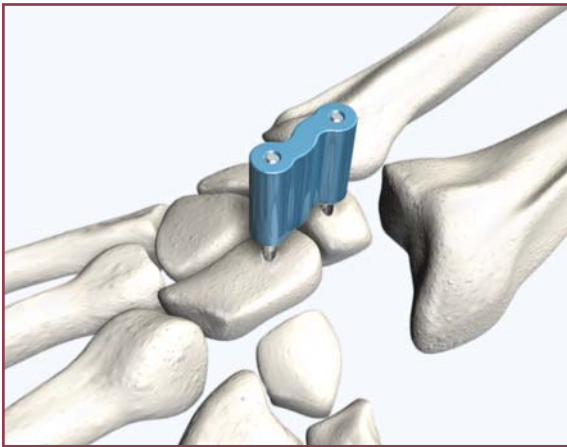
## SURGICAL SITE PREPARATION



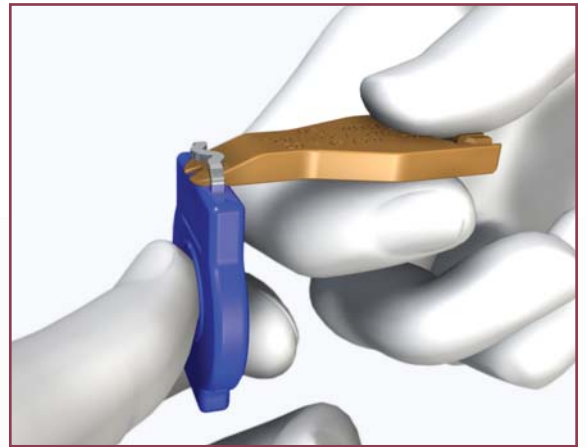
**FIGURE 1:** Prepare the surgical site, use the trial to determine reVERTO™ staple backspan. Keep three millimeters from either side of the joint or osteotomy. Drill through to achieve bi-cortical insertion of the staple arm. **NOTE:** The drill is marked with three lines denoting measurements of 10mm, 15mm, and 20mm in depth. Refer to instrumentation overview for clarification.



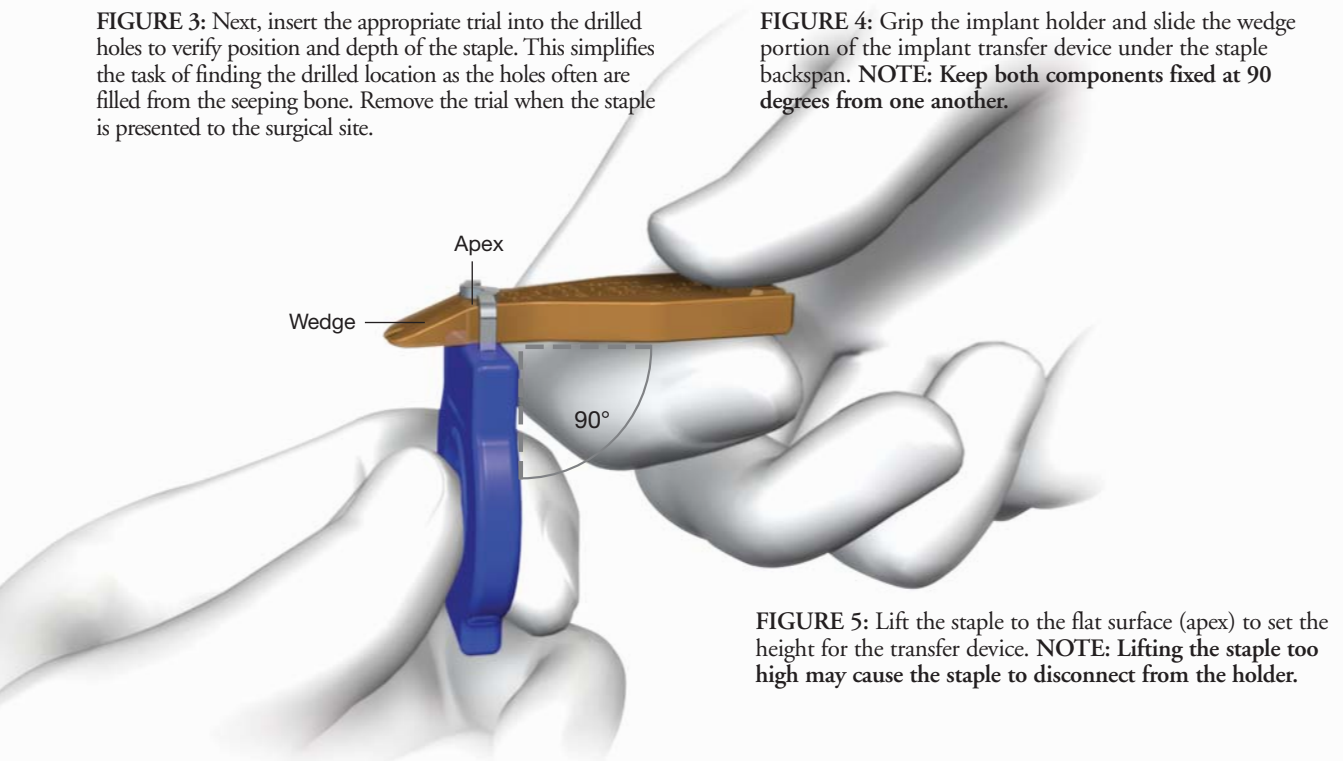
**FIGURE 2:** Insert the pin into the drill hole and then continue to drill the second hole. **NOTE:** The pin in the drill guide acts as a lever to reduce the joint or osteotomy.



**FIGURE 3:** Next, insert the appropriate trial into the drilled holes to verify position and depth of the staple. This simplifies the task of finding the drilled location as the holes often are filled from the seeping bone. Remove the trial when the staple is presented to the surgical site.



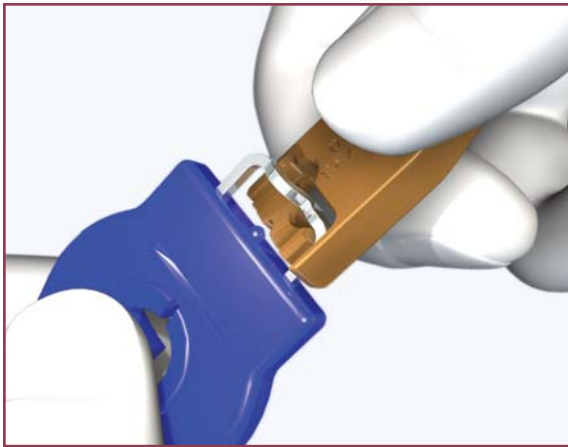
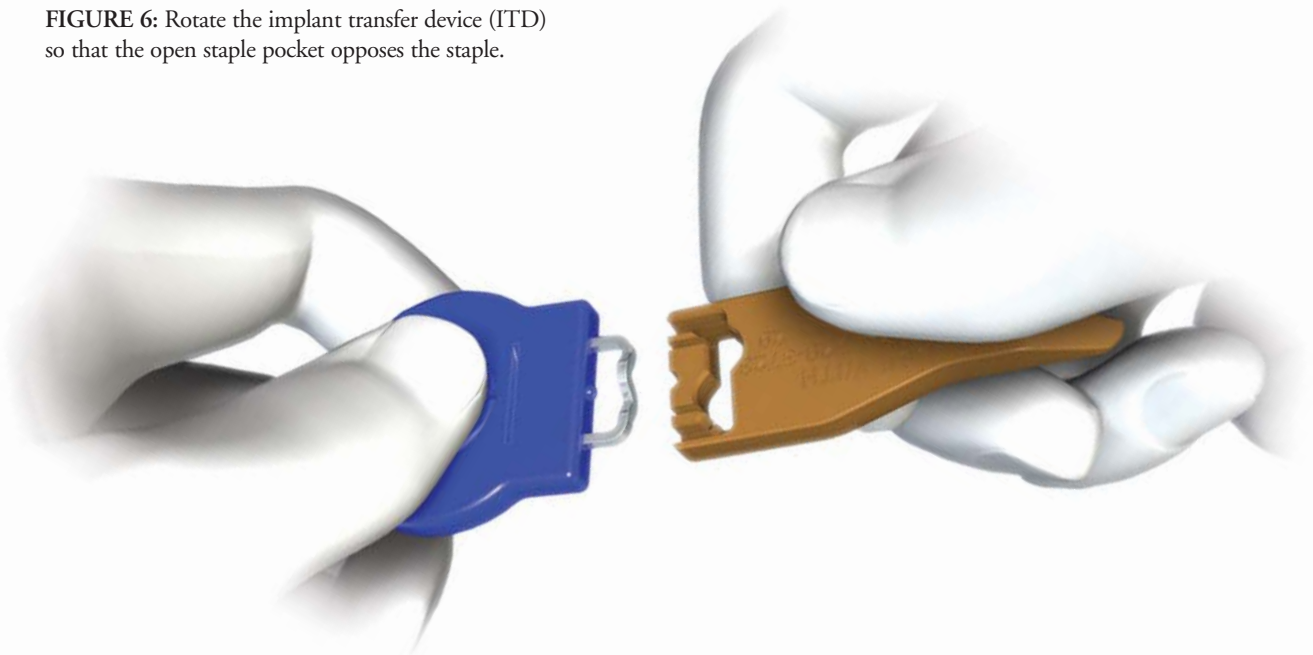
**FIGURE 4:** Grip the implant holder and slide the wedge portion of the implant transfer device under the staple backspan. **NOTE:** Keep both components fixed at 90 degrees from one another.



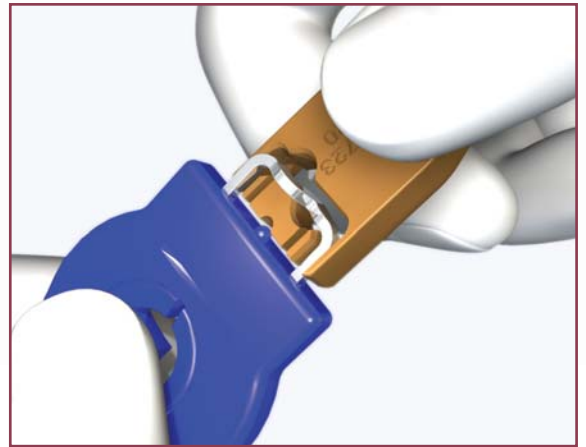
**FIGURE 5:** Lift the staple to the flat surface (apex) to set the height for the transfer device. **NOTE:** Lifting the staple too high may cause the staple to disconnect from the holder.

## LOADING THE TRANSFER DEVICE

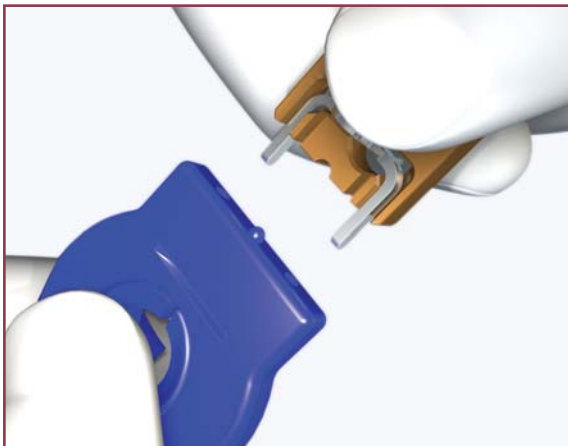
**FIGURE 6:** Rotate the implant transfer device (ITD) so that the open staple pocket opposes the staple.



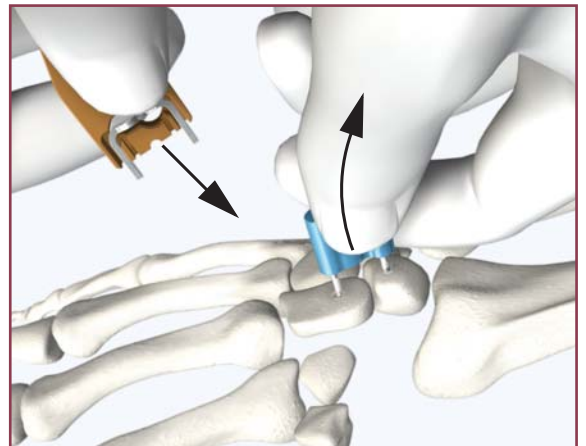
**FIGURE 7:** Attach one arm of the staple into the 'U' shape of the implant transfer device.



**FIGURE 8:** Connect the opposite arm into the device. Ensure that the staple is seated in the pocket.



**FIGURE 9:** Place your thumb firmly over the staple and remove the staple from the implant holder.



**FIGURE 10:** Remove the trial from the surgical site. **NOTE:** Retain thumb placement over staple.

## COMPLETING THE PROCEDURE

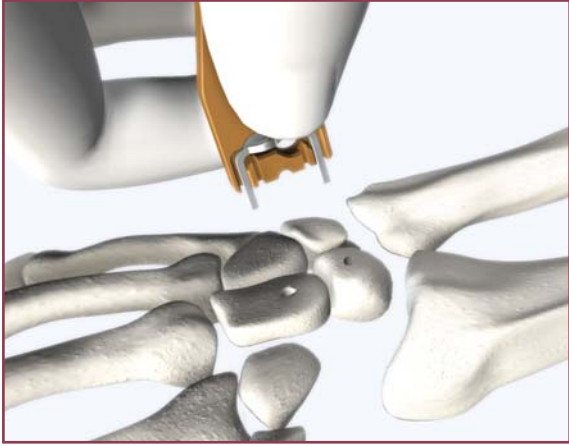


FIGURE 11: Introduce the staple to the surgical site and insert into the drill holes. **NOTE: Retain thumb placement over staple.**

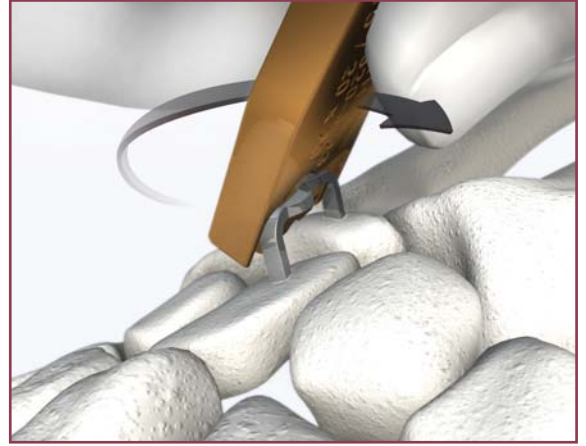


FIGURE 12: Pivot the implant transfer device forward to disconnect the staple from the device.

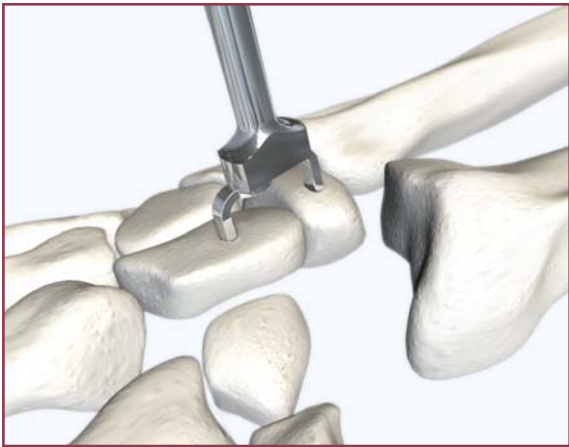
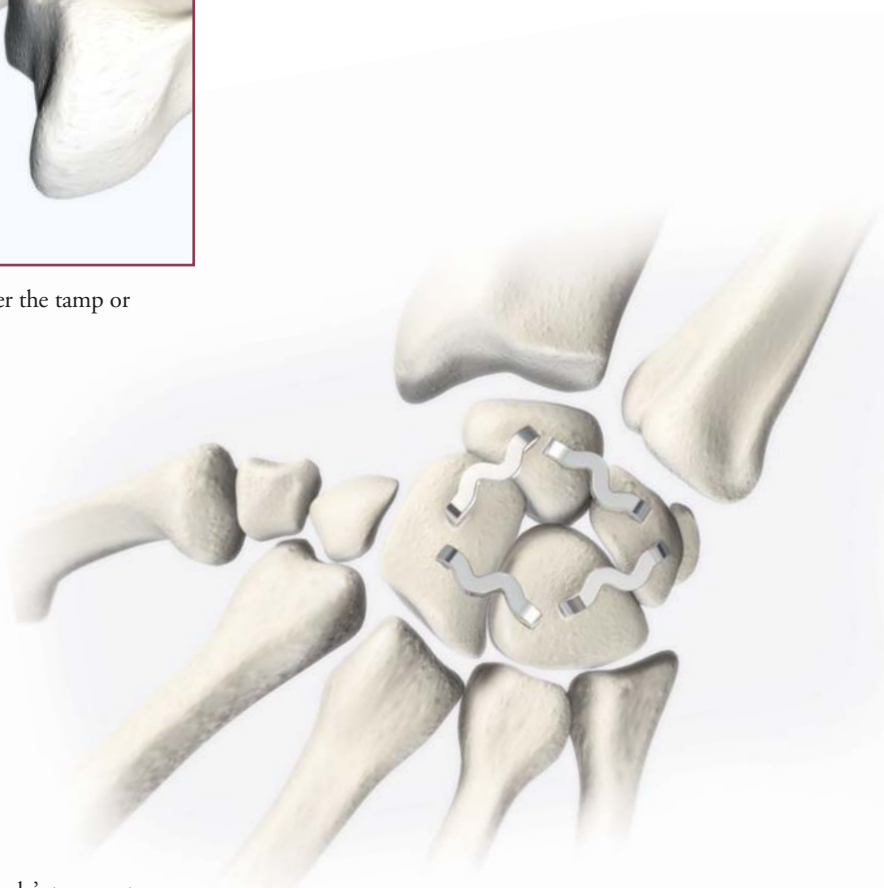


FIGURE 13: Seat the staple, using either the tamp or manual pressure.



FIGURE 14: Repair is complete. The body's temperature (37°C) activates the staple arms and provides active and continuous compression.



# INSTRUMENTATION OVERVIEW



*reVERTO Shape  
Memory Staple*



*Staple Trial*



*Pin*



*Drill Bit*



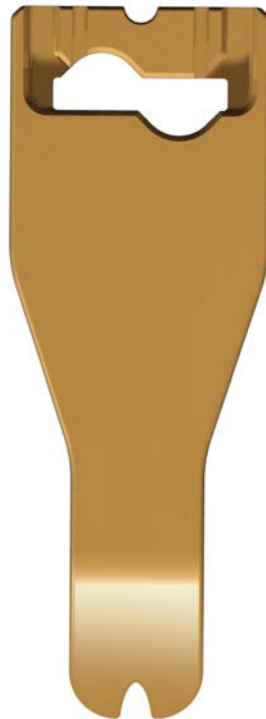
*Drill Guide*



*Tamp*



*Implant Holder*



*Implant Transfer Device*

## Product Line Information

Anatomical Indication	Staple Part #	Staple Backspan	Arm Length (s)	Staple Wire Size	Drill Size	Drill Guide (Part Number)
Hand-Forefoot	320-3701	8mm	8mm	1.2mm	2.0mm	300-5025
Hand-Forefoot	320-3703	10mm	10mm	1.5mm	2.0mm	300-5026
Hand-Forefoot	320-3715	10mm	15mm -17mm	1.5mm	2.0mm	300-5026
Hand-Forefoot	320-3709	15mm	10mm	1.5mm	2.0mm	300-5027
Hand-Forefoot	320-3721	15mm	15mm - 17mm	1.5mm	2.0mm	300-5027
Mid-Rearfoot	320-3722	20mm	15mm	3mm x 2mm	3.5mm	300-5024
Mid-Rearfoot	320-3723	20mm	20mm	3mm x 2mm	3.5mm	300-5024
Mid-Rearfoot	320-3724	25mm	20mm	3mm x 2mm	3.5mm	300-5023
Mid-Rearfoot	320-3725	30mm	20mm	3mm x 2mm	3.5mm	300-5023



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