



ZIMMER BIOMET  
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**Surgical Technique**

**Avitus® ArchiMIS™**

MIS Precision  
Autograft Delivery

# Indications and Contraindications

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## Indications For Use

The Avitus® ArchiMIS™ Precision Autograft Delivery system is intended:

1. To be used for the delivery of autograft or hydrated allograft bone graft material to an orthopaedic surgical site.

## Contraindications

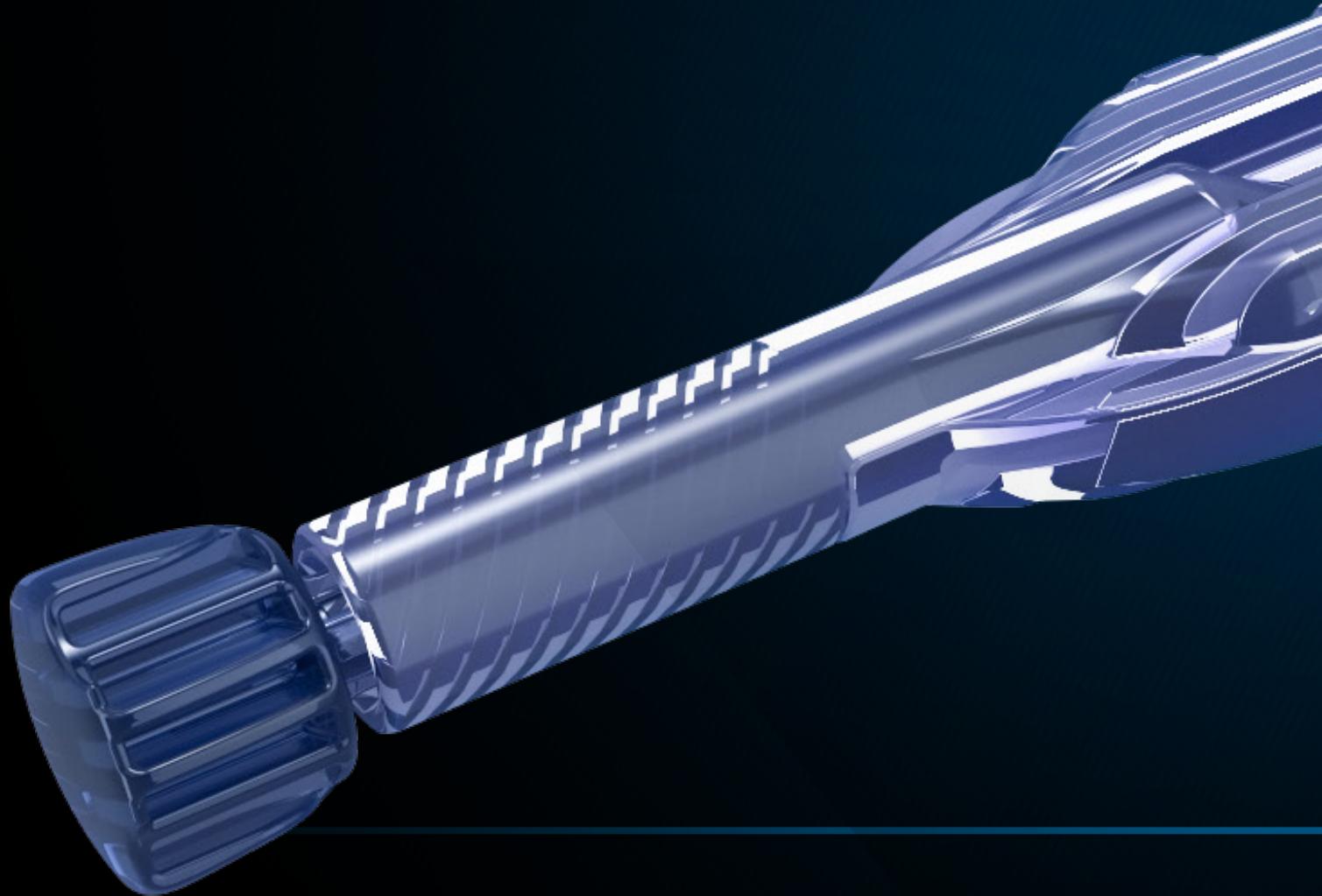
<b>1.</b> Patients who are not a candidate for bone graft delivery.	<b>2.</b> If using non-autologous bone graft, refer to packaging insert of the specific bone graft material being used.
<b>3.</b> The device is intended to be used by a physician familiar with the possible side effects, typical findings, limitations, indications, and contraindications of bone graft delivery.	

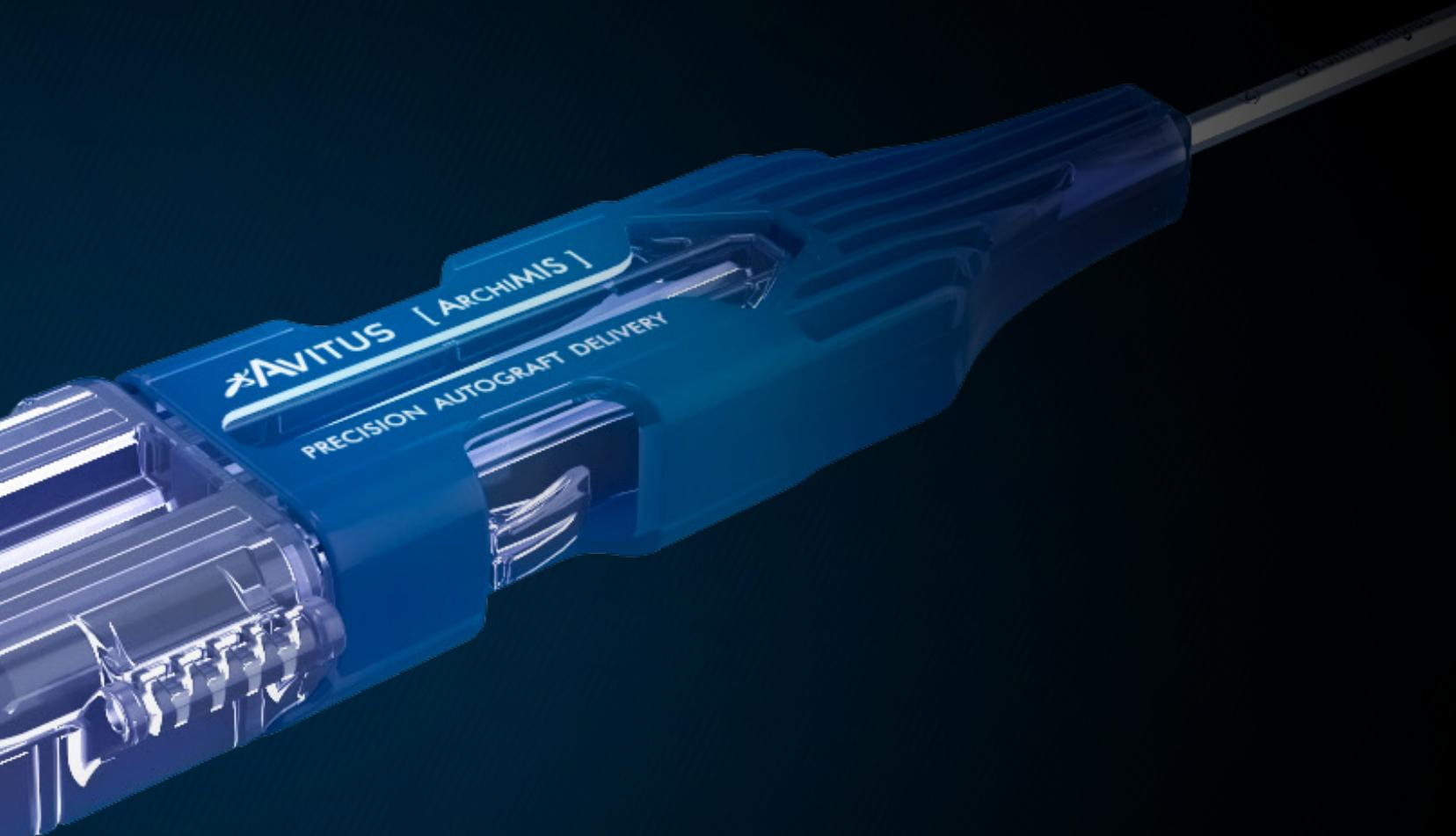


# Avitus® ArchiMIS™

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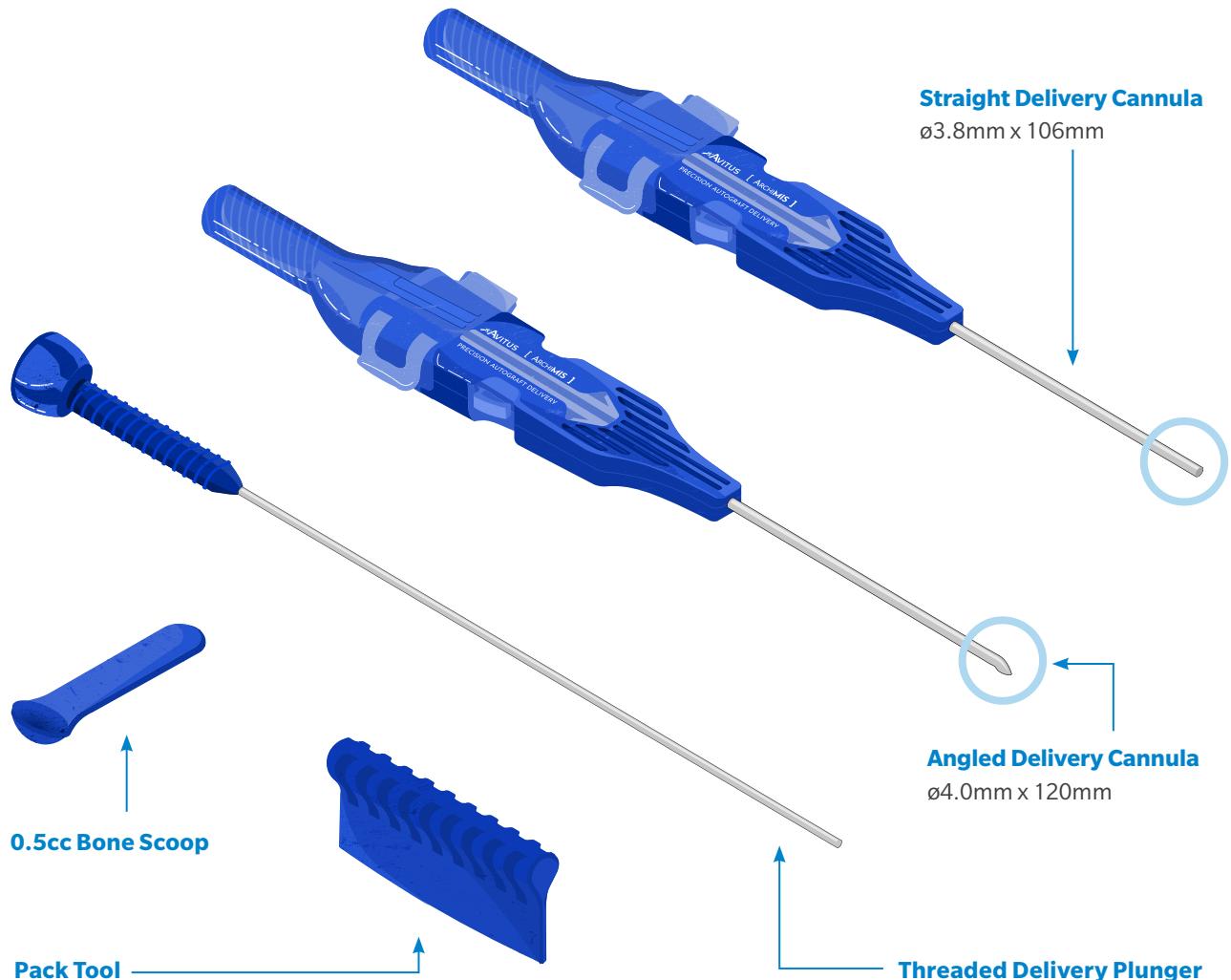
MIS Precision Autograft Delivery





**A percutaneous controlled delivery  
experience for autologous  
gold-standard bone grafting.**

## Avitus ArchiMIS System Contents



## Ordering Information

Part#	Description	Volume / Size
AD-1CH-4.0-120	Avitus ArchiMIS Autograft Delivery	1cc of Graft
		$\varnothing 3.8\text{mm} \times 106\text{mm}$ - Straight Delivery Cannula
		$\varnothing 4.0\text{mm} \times 120\text{mm}$ - Angled Delivery Cannula

# Technique

## 1. How to get a proper scoop of autograft

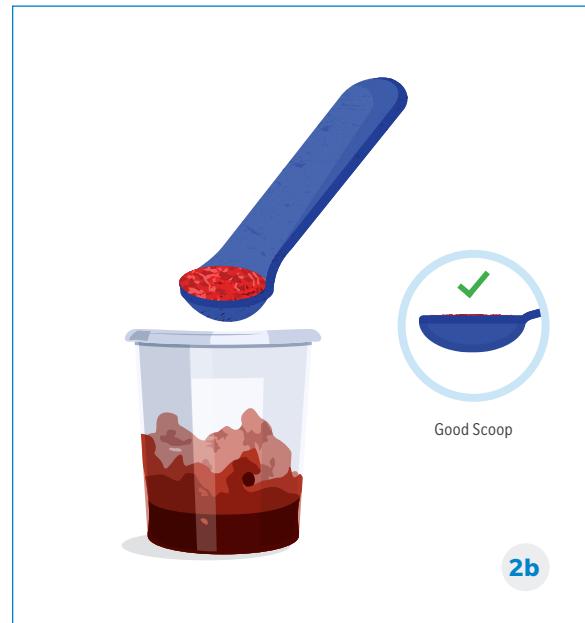
Use the Bone Scoop to obtain a level scoop of graft (fig. 1).



## 2. Remove excess graft

Use the Pack Tool to remove any excess bone graft until the scoop is sub-flush (fig. 2a, 2b).

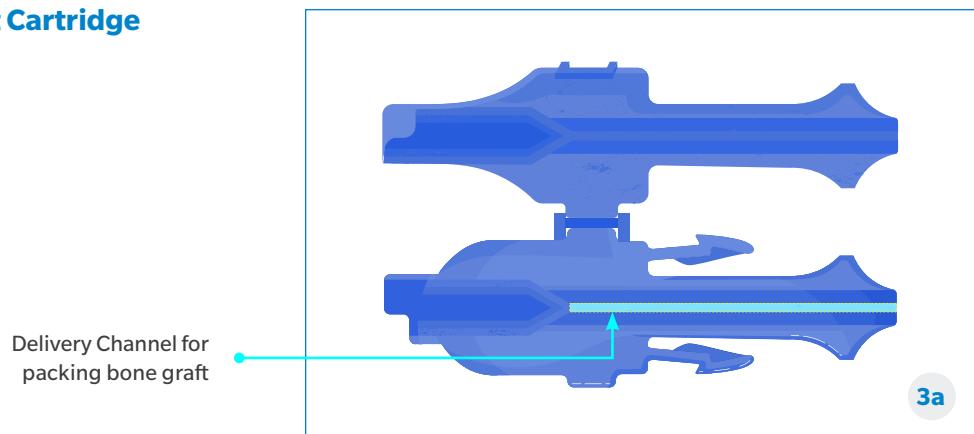
**WARNING:** Do not use more than 1 sub-flush scoop per graft cartridge



# Technique

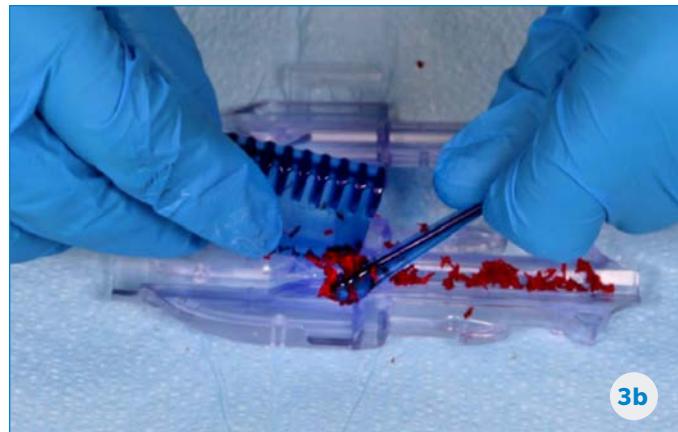
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## 3. Packing the Graft Cartridge



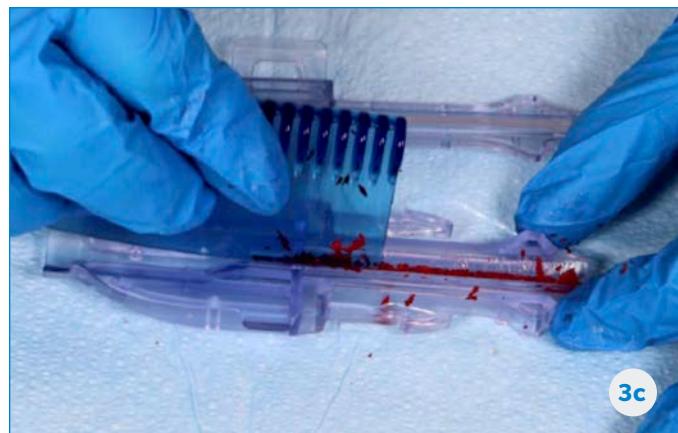
### Distribute graft along channel.

Distribute the bone graft along the length of the delivery channel from the scoop while aligning along the delivery channel with the pack tool (fig. 3b).



### Compress the graft into channel.

Use the pack tool to compress the bone graft down into the delivery channel with the pack tool (fig. 3c).

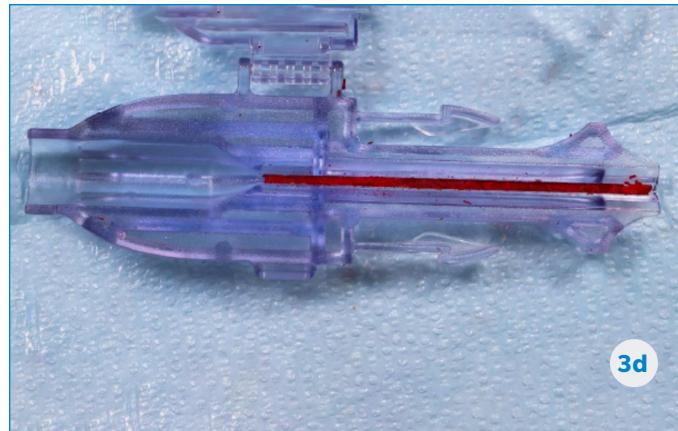


## Technique

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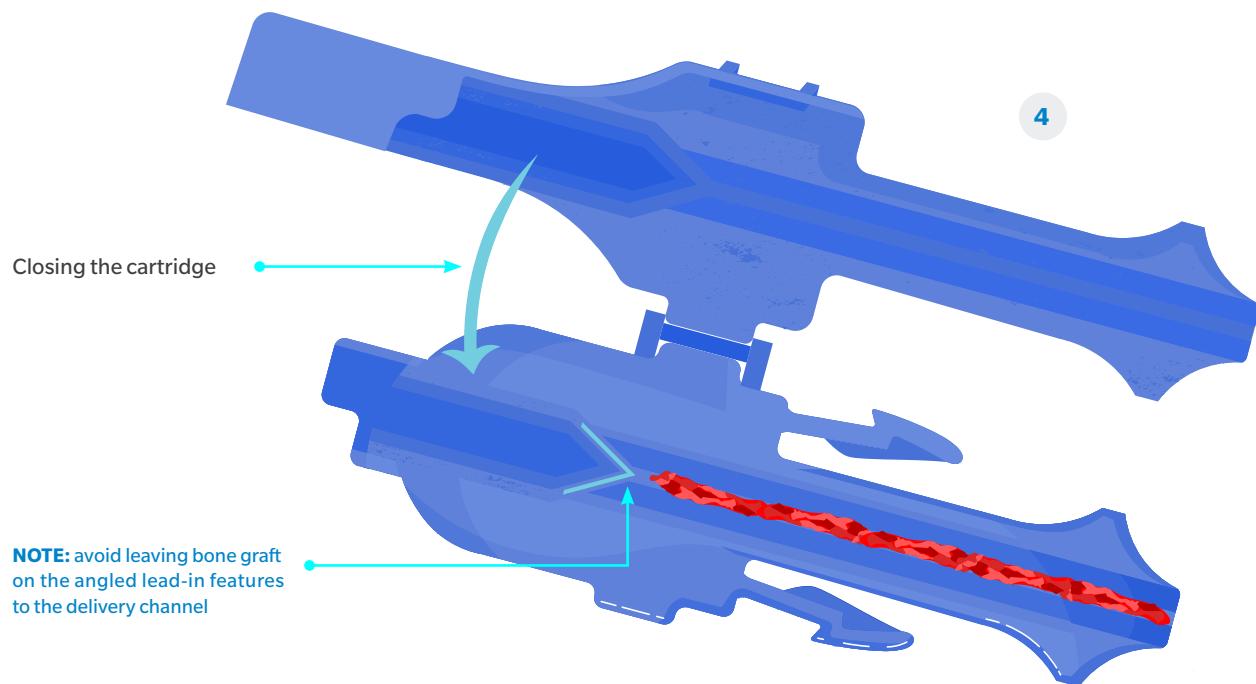
### Check for proper pack.

Ensure that the graft is compressed into each channel without residual material above the delivery channel (fig. 3d).



### 4. Close the Graft Cartridge

Properly packed autograft cartridge.

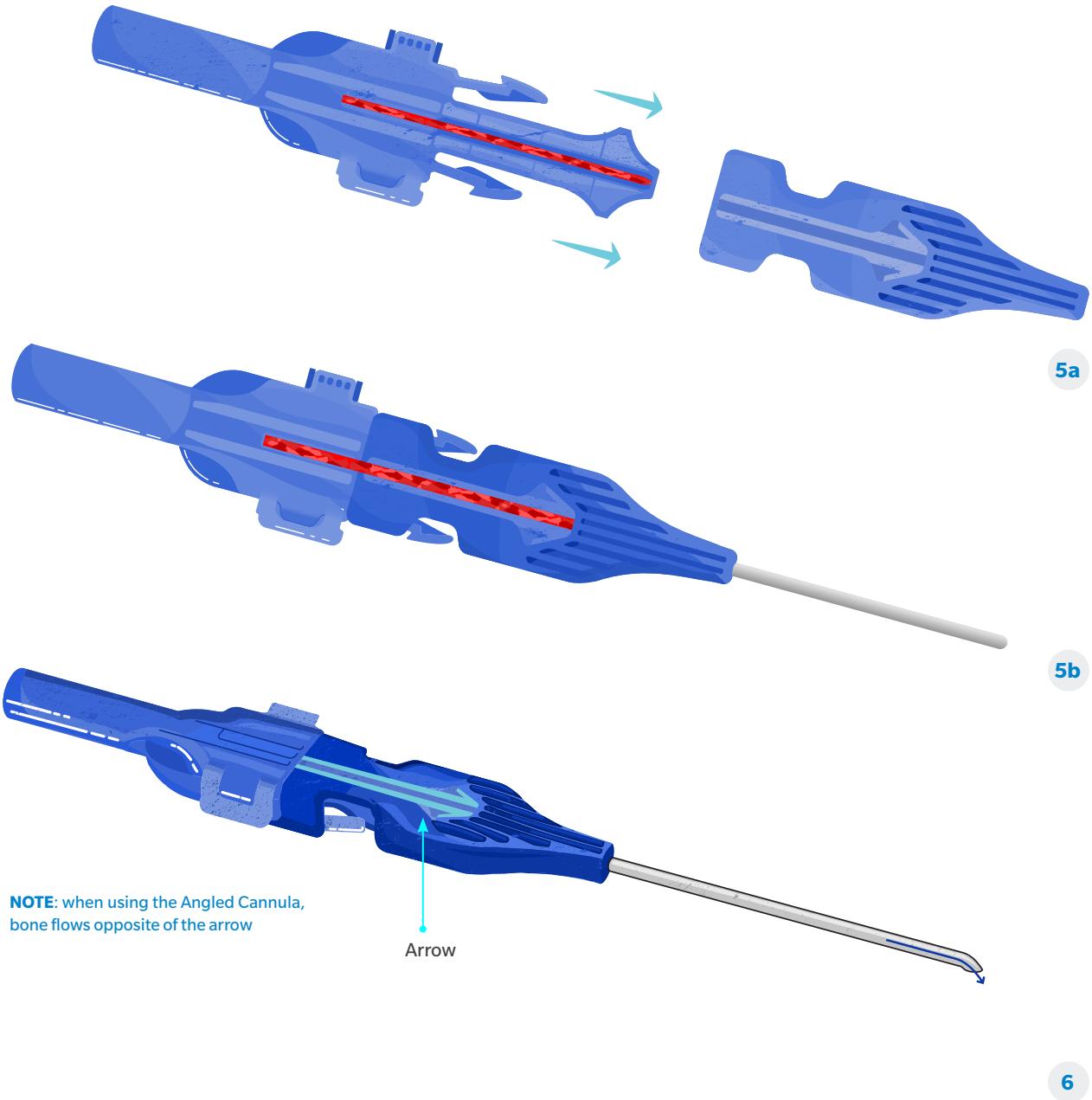


# Technique

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## 5. Assembling the cartridge

Connect the graft cartridge to the desired delivery cannula (Fig. 5a, 5b)

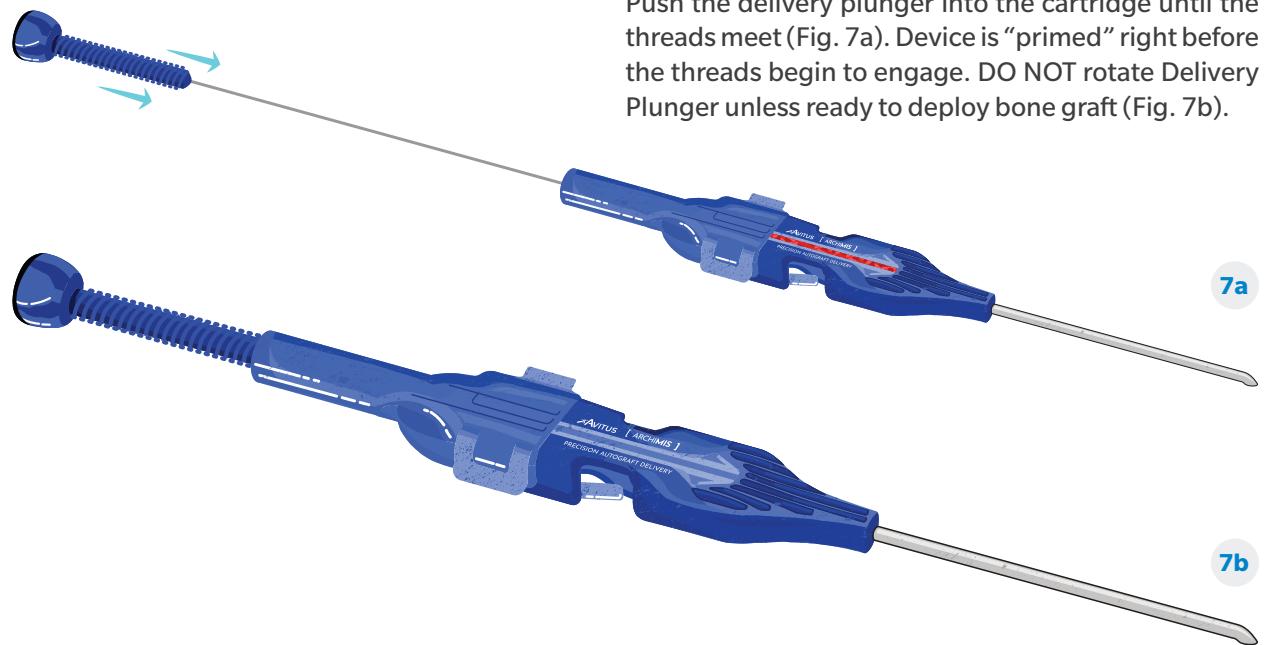


# Technique

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## 6. To prime the cannula

Push the delivery plunger into the cartridge until the threads meet (Fig. 7a). Device is “primed” right before the threads begin to engage. DO NOT rotate Delivery Plunger unless ready to deploy bone graft (Fig. 7b).



## 7. Advance the autograft

Turn the threaded delivery plunger clockwise to advance autograft into the intended delivery site (Fig. 8).



### TROUBLESHOOTING STEPS:

1. Purging the cannula between reloads to get every last bit of bone out of the cannula.
2. If doing an OCD delivery, slide the angled cannula opening along the rim of the defect to dislodge any remaining bone chunks before removing device.

## 8. Reloading the cartridge

Repeat steps 3-6 with the replacement graft cartridge and reconnect the desired delivery cannula.

Press the sideclips to disconnect the empty graft cartridge and reconnect a newly packed graft cartridge.



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Deliver.

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