

**stryker**



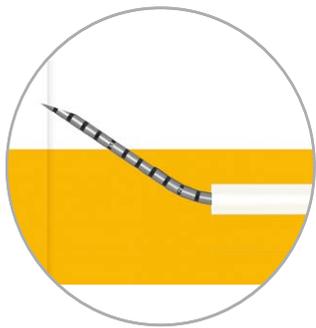
**AIR<sup>+</sup>**

**All-inside meniscal  
repair system**

Your only flexible solution\*

# AIR<sup>+</sup> overview

The Stryker AIR<sup>+</sup> is an all-inside meniscal repair device designed with ease of use and reliability as its highest priorities. AIR<sup>+</sup> is the market's only all-inside device that includes a flexible needle. This needle can be bent to enable placement in the meniscus and the device will still function even if it's flexed intra-operatively.<sup>1</sup>



## Flexible Needle

AIR<sup>+</sup> is the only all-inside meniscal repair device to feature a flexible needle. This groundbreaking feature allows you to bend the needle to enable placement in the meniscus and the device will still function even if it's flexed intra-operatively.\*<sup>1</sup>



## In-line deployment

AIR<sup>+</sup> features a simple and easy to use back (load) and forward (fire) deployment mechanism. Simply pull back on the thumb trigger or plunger to load the anchor, then push forward to deploy it.



## Variable depth setter

Adjusting penetration depth could not be easier than using the AIR<sup>+</sup> depth setter. Simply press down the depth lever and slide forward or back to the desired depth.



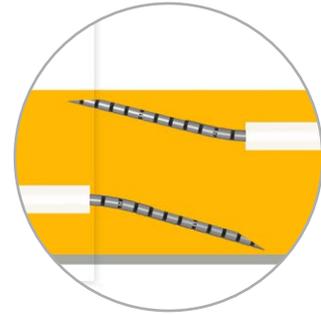
### **Blue co-braid suture**

Blue co-braid 2-0 UHMWPE suture provides strength while giving you the visualization needed to identify your repair.



### **See, feel, hear feedback**

AIR+ gives you the assurance you need to know your anchor has deployed. When deployed, you'll feel tactile feedback, you'll hear an audible "click," and you'll observe a positive deployment indicator in the anchor deployment window.



### **Multiple curve options**

In order to provide you with the most convenient options, AIR+ comes in two curves: curved up and curved down, and because the needle is flexible you can customize these angles.\*

## **Multiple deployment methods**



Since no repair is the same, you shouldn't be limited to one deployment technique. The thumb trigger and plunger combinations enables multiple hand-positions to ensure an ergonomic and truly single-handed deployment regardless of what angle you're working with.

### **Active deployment**

Several intuitive design features have been implemented to minimize misfires and ensure anchors are only deployed when you want them to be.<sup>1</sup>

### **Smooth sliding knot**

The pre-tied, smooth sliding knot has been designed to easily slide as you tighten while balancing tension between the anchors.

### **Ergonomic feel**

AIR+ was designed with ease of use in mind. The pencil-grip design enables comfortable one-hand operation throughout the deployment of your implant.

# Procedure walk-through



**1**

Depress the depth setter and slide it forward or backward to the desired depth. This will adjust the sheath to expose only as much needle as required.



**2**

Insert the AIR<sup>+</sup> needle into the joint space by sliding it against the slotted cannula.



**3**

Insert the 17-gauge needle through the meniscus and capsule ensuring the sheath is flush to the meniscus.



**4**

Pull back on the thumb trigger or plunger to ready the anchor, then push forward to deploy the first anchor.



**5**

When implanted you'll feel tactile feedback, you'll hear an audible "click," and you'll observe a positive indicator in the anchor deployment window.



**6**

Slowly twist the needle out of the meniscus and insert the needle into the second location pushing the needle through the meniscus until it's through the capsule and the depth limiter is flush to the meniscus.



**7**

Pull back on the thumb trigger or plunger to ready the anchor, then push forward to deploy the second anchor. You will again feel a light audible and tactile click and will notice the second anchor deployment window is now shaded in.



**8**

Twist the needle out of the meniscus and remove the handle leaving a single suture tail behind.



**9**

Use the knot pusher / suture cutter to tension the easy sliding high strength 2-0 suture knot and reduce the tear to the desired tension. Depress the black plunger to cut the suture tail.

**10**

Repeat as necessary to complete the repair.



### **AIR+ product specifications:**

- 17-gauge needle
- Needle composition: Stainless steel
- Deployment rod composition: Nitinol
- Suture composition: 2-0 blue co-braid UHMWPE
- Adjustable depth range: 12–24 mm
- Anchors: Two all-PEEK 1 x 5mm anchors
- Needle angles: Curved up 15°, curved down 9°

Part number	Description
4722	AIR <sup>+</sup> Meniscal System – curved up
4723	AIR <sup>+</sup> Meniscal System – curved down
4721	Stryker 2-0 Knot Pusher/Suture Cutter and Slotted Cannula Set

\*Excessive bending of the delivery needle may render the device unusable. Do not kink the delivery needle.

## References

1. TR19036 and TR18604

## Sports Medicine

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. We do not dispense medical advice and recommend that surgeons be trained in the use of any particular product before using it in surgery.

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1000903343 Rev A

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