

AIR

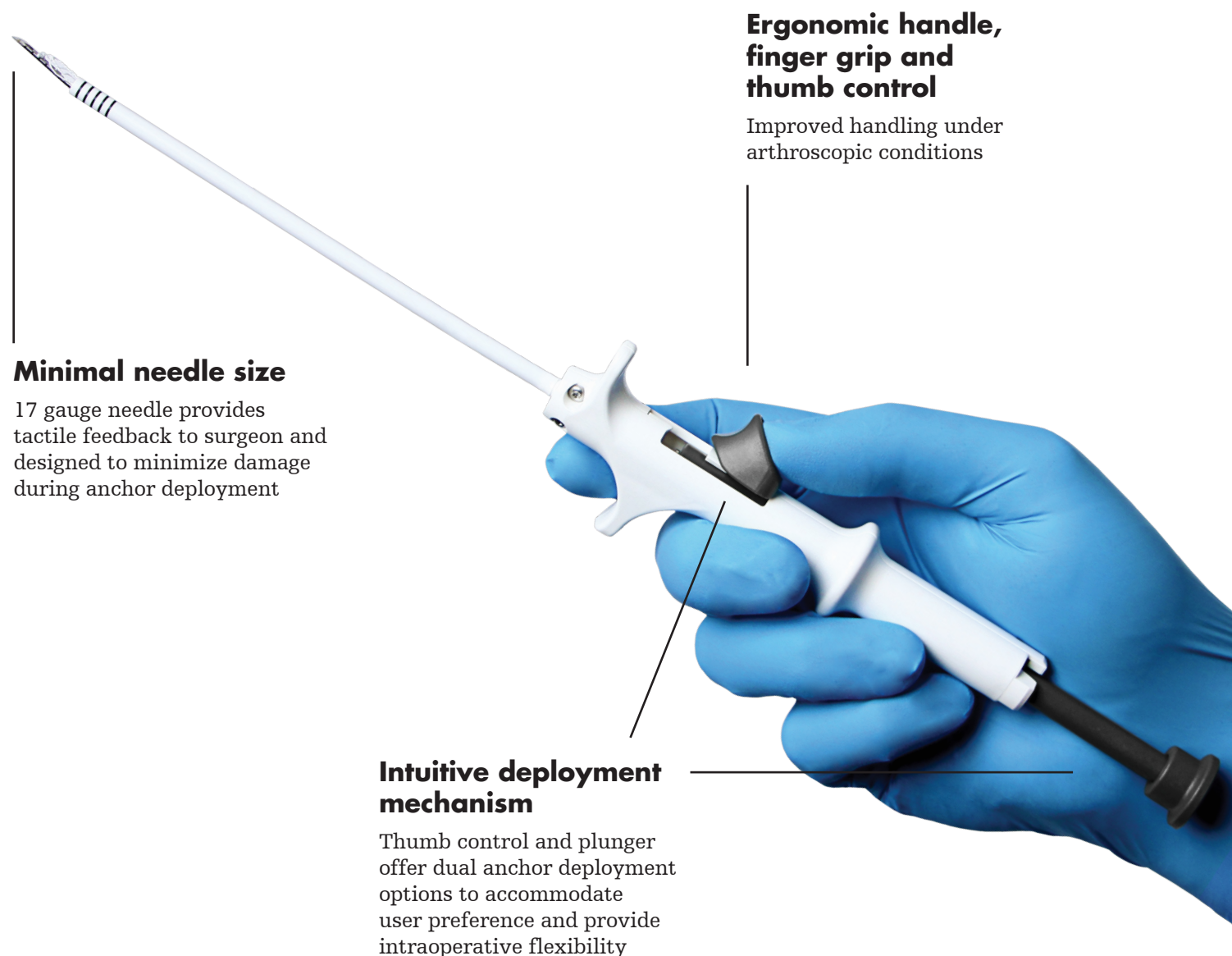
Meniscal
Repair
System



AIR

Stryker's Meniscal Repair System

AIR is an innovative all-inside suture device designed for reproducible results. It utilizes two PEEK anchors and a sliding knot with high strength, non-absorbable 2-0 suture. AIR's reliability and simplicity is designed to enable surgeons to consistently deploy an anchor without the worry of failure while limiting damage with its small and flexible needle.¹



Ergonomic handle, finger grip and thumb control

Improved handling under arthroscopic conditions

Minimal needle size

17 gauge needle provides tactile feedback to surgeon and designed to minimize damage during anchor deployment

Intuitive deployment mechanism

Thumb control and plunger offer dual anchor deployment options to accommodate user preference and provide intraoperative flexibility

Features and benefits

Intuitive lever design

Designed to provide reliable and reproducible anchor deployment.

High-strength suture

Size 2-0 UHMWPE suture provides suture retention strength and fixation needed for meniscal repair.

Low profile PEEK anchors

Designed to optimize tensile strength with minimal damage to native meniscus.

Flexible needle design

Enables anatomic anchor placement in hard to reach joint spaces.

Active deployment feature

This feature is designed to ensure the surgeon intentionally deploys the implant, and minimizes the risk of a misfire.

- The thumb knob requires at least 2 lbs of force to deploy the implant
- Surgeons will experience tactile and audible feedback when deploying the anchor
- Enables repositioning of the needle prior to deploying the implant



Static tensile performance

Device	Average tensile stiffness (N/mm)	Average proportional load (N)	Average peak load* (N)	Average displacement at peak-load (mm)
Stryker AIR	22.1 ± 1.86	74.2 ± 2.48	144.2 ± 37.92	8.32 ± 3.078

* Peak load defined as initial peak followed by at least three subsequent data points of decreasing load.

The table above provides a summary of the static tensile performance of the Stryker AIR. See IVY Sports Medicine biomechanical study.²

Part Number	Description
4720	AIR – Meniscal Repair Device
4721	AIR Disposable Knot Pusher/Suture Cutter and Sled
233050115	POPLITEAL RETRACTOR SMALL
233050116	POPLITEAL RETRACTOR LARGE

References

1. Design Protocol Final Report 04.6025-FR01
2. Comparison of the mechanical properties of the IvyAIR Meniscal Repair System to the Smith & Nephew FAST-FIX 360 Meniscal Repair System in a porcine meniscus model.

5670 Greenwood Plaza Blvd. Ste. 200
Greenwood Village, CO 80111
t: 201 831 5000
www.stryker.com
www.sportsmedicine.stryker.com

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. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks; AIR, Stryker. All other trademarks are trademarks of their respective owners or holders.

1000902204 Rev A
Copyright © 2016 Stryker
Printed in USA