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.

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.

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

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.

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

<table>
<thead>
<tr>
<th>Device</th>
<th>Average tensile stiffness (N/mm)</th>
<th>Average proportional load (N)</th>
<th>Average peak load* (N)</th>
<th>Average displacement at peak-load (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stryker AIR</td>
<td>22.1 ± 1.86</td>
<td>74.2 ± 2.48</td>
<td>144.2 ± 37.92</td>
<td>8.32 ± 3.078</td>
</tr>
</tbody>
</table>

* 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.

1. Stryker AIR
2. IVY Sports Medicine biomechanical study
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.

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References
1. Design Protocol Final Report 04.6025-FR01

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>4720</td>
<td>AIR – Meniscal Repair Device</td>
</tr>
<tr>
<td>4721</td>
<td>AIR Disposable Knot Pusher/Suture Cutter and Sled</td>
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<tr>
<td>233050115</td>
<td>POPLITEAL RETRACTOR SMALL</td>
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<tr>
<td>233050116</td>
<td>POPLITEAL RETRACTOR LARGE</td>
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