AIR
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.

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### 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

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### 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.
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>
</tr>
</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>
</tr>
<tr>
<td>233050116</td>
<td>POPLITEAL RETRACTOR LARGE</td>
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