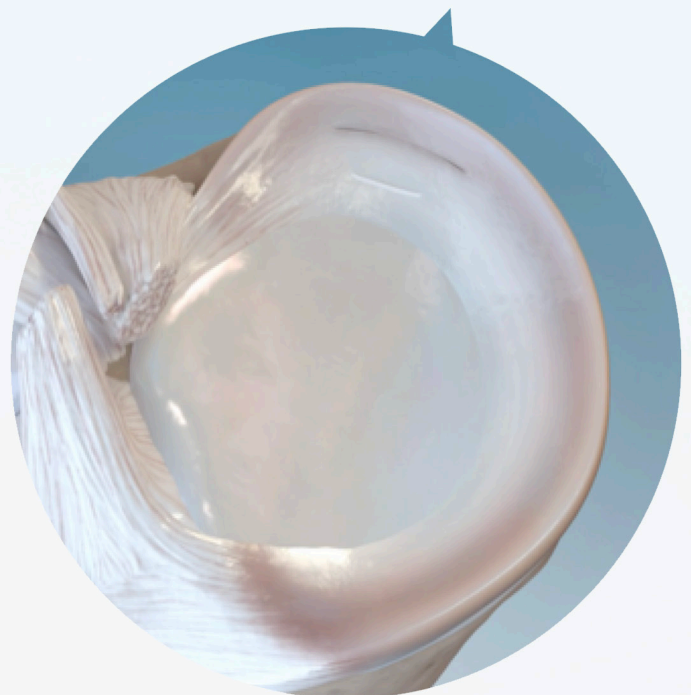


SuperBall™

Meniscal Repair System



Surgical Technique
Brochure

ArcuroMedical.com

About Arcuro

Arcuro Medical Ltd., a Trendlines Group portfolio company, was founded in Israel in 2013. Today, the company's reach spans across the globe, with offices in both Israel and the United States.

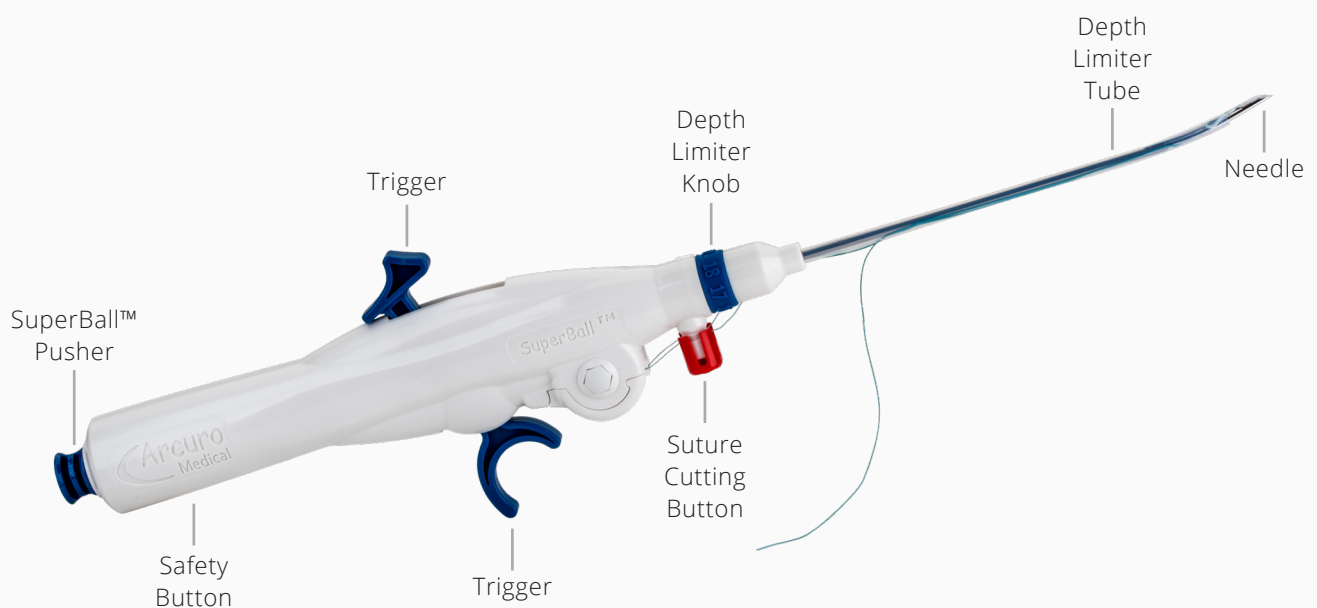
Arcuro's founders have over 40 years of combined experience in developing and manufacturing minimally invasive orthopedic products, bringing medical devices from concept to market. Throughout their experience, Lee Ranon and Ran Oren established strong, strategic relationships with leading surgeons and global orthopedic companies through the launch of innovative technologies currently sold worldwide.

Arcuro is expanding its established worldwide distribution network to introduce the SuperBall™ technology to healthcare professionals in every market.

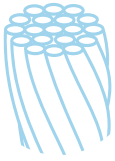
The company continues the development of "game-changing" technologies for sports medicine to improve the lives of patients.

SuperBall™ Meniscal Repair System

The SuperBall™ is an all-inside, all-suture, knotless meniscal repair device that replaces hard polymer implants with soft flexible suture bundles. The SuperBall™'s unique tensioning mechanism enables surgeons to have complete control of the repair, mimicking Inside-Out tensioning of the meniscus.



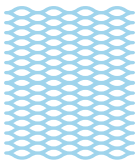
Features & Benefits



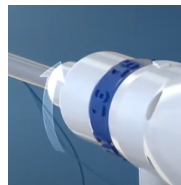
UHMWPE Suture Bundles
Soft but strong fixation replacing hard polymer PEEK implants



Anatomic Tensioning System
Mimics Inside-Out reduction of the meniscus



Proprietary Repair Suture Mesh
Soft flexible polyester repair suture mesh lays flat protecting the meniscus and articulating cartilage



Low-Profile Integrated Adjustable Depth Limiter
Secure and reliable access to the repair site



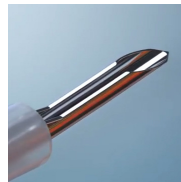
Knotless
SuperBall™ extracapsular locking mechanism leaves no knots in the joint space



Ergonomic Handle Design
Audible and tactile feedback provides surgeons with better control / Hybrid Trigger Mechanism with push or pull triggers



Safe and Reliable
Minimizes intra-op implant pull-outs / Active deployment of suture bundles



Low-Profile Crescent Needle Design
Tissue spearing needle insertion avoids punching holes in the meniscus

Ordering Information

Item Number / Part Number
SBD-SB-12-001

Product Description
SuperBall™ Miniscal Repair System

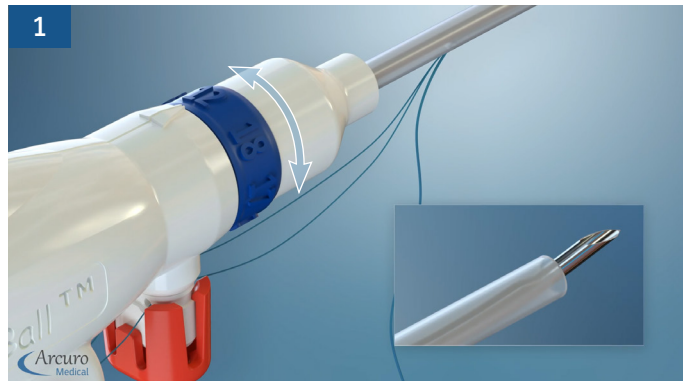
Products may not be available in all markets due to regulatory approvals and/or medical practices in individual markets. Please contact Arcuro Medical Ltd. or your local representative if you have questions about the availability of Arcuro Medical products in your area.

SuperBall™ Technique

STEP 1

After identifying the tear pattern, adjust the delivery system's Depth Limiter by rotating the knob to the preferred setting. Align the preferred setting with the arrow marker on the superior aspect of the device.

Note: The preferred setting should ensure the safe deployment of the suture bundles behind the meniscus.



STEP 2

Determine the ideal location for the first suture bundle and penetrate the meniscus to the preset depth.

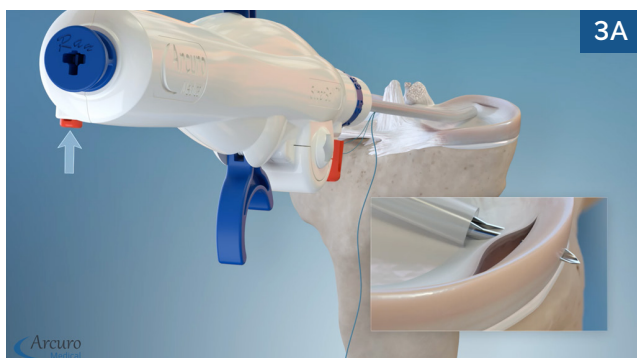
Note: For proper visualization throughout the procedure, the first suture bundle location should be the one closest to the scope (for vertical stitch configurations it is recommended to do superior first).



STEP 3

Keeping the device steady and in position, press the Safety Button (**3A**) and fully actuate the delivery system's Trigger once (**3B**) until a hard stop to deploy the first suture bundle at the desired location.

Note: An audible clicking sound confirms the deployment of the first suture bundle. Do not activate the trigger twice as the second suture bundle will be deployed prematurely.



STEP 4

Slowly retract the needle from within the meniscus keeping the needle within the arthroscopic view. Reposition the needle to the desired location for the second suture bundle and penetrate the meniscus to the desired depth.



STEP 5

Keeping the device steady and in position, fully actuate the delivery system's Trigger until a hard stop to deploy the second suture bundle at the desired location.

Note: Two audible clicking sounds confirm the deployment of the second suture bundle and the blunt protective tip over the needle.



STEP 6

Keeping the device steady and in position, tension the repair by repeatedly activating the Trigger until sufficient tension is achieved and the meniscus tear is reduced.

Note: Make sure that there is nothing obstructing the tensioning of the repair stitch. On an average, the trigger is activated 2-3 times to achieve optimal tension of the repair.



STEP 7

When proper tension is noted, press the Suture Cutting button to cut and retract the Tensioning Suture.

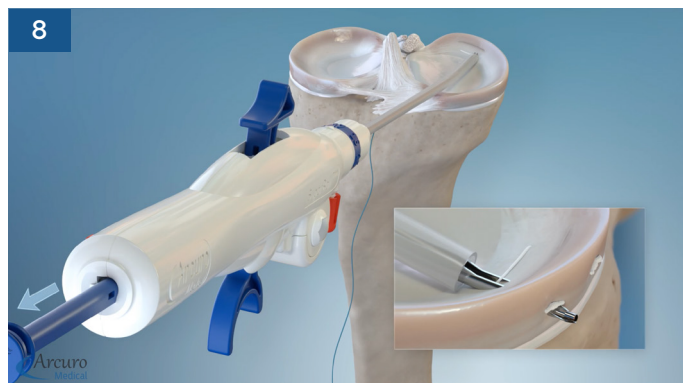
Note: It is not possible to apply more tension to the repair after this step.



STEP 8

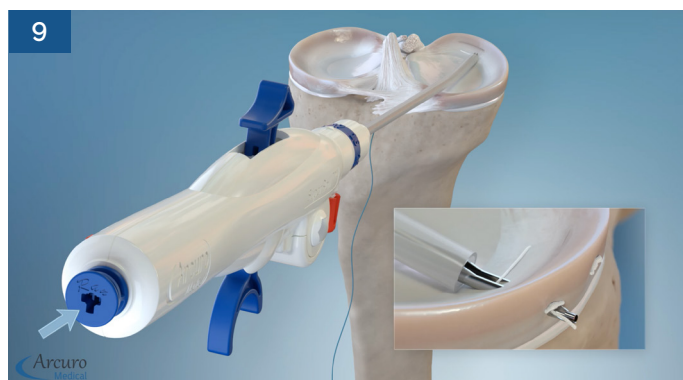
Keeping the device steady and in position, retract the SuperBall™ Pusher from within the delivery system until it stops at its rear position.

Note: You will hear an audible click confirming the rear position.



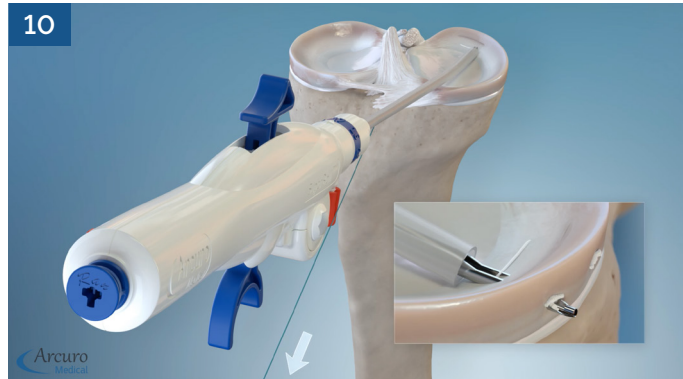
STEP 9

Keeping the device steady and in position, push the SuperBall™ Pusher until it returns to its initial position, deploying the SuperBall™ tail on the peripheral side of the meniscus.



STEP 10

Keeping the device steady and in position, pull the Actuating Suture to create the SuperBall™ securing the repair.



STEP 11

Remove the device from the joint space (11A) and cut the Actuating Suture flush with the meniscus (11B).



STEP 12

Final repair (12A). When necessary, additional SuperBall™ devices may be used in different stitch configurations to complete the repair (12B).



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