

Precut Fresh Osteochondral Allograft Cores

Biologic and structural repair of full-thickness osteochondral lesions



Precut Fresh OCA Cores

Introduction

Precut osteochondral allograft (OCA) cores offer a biologic and structural repair for full-thickness osteochondral lesions. OCA cores provide the optimal architecture, biomechanical support, and viable hyaline cartilage to support the repair during healing. The convenient availability of fresh OCA cores relieves surgeons from the worry of harvesting sufficient and suitable autologous donor cartilage.

Features and Benefits

- › Mature hyaline cartilage
- › Viable chondrocytes
- › Superior biomechanics
- › Convenient and ready to use
- › Press-fit implantation with Arthrex instrumentation
- › Downsize easily with single-use OATS® (osteochondral autograft transfer system) instruments

Processing Standards

- › Processed in ISO Class 5 and/or Class 100 clean rooms
- › Highly trained technicians process donor tissue in an aseptic environment within 48 hours of recovery
- › Comprehensive inspection criteria to detect allograft imperfections and tissue and cartilage quality
- › Preservation methodology developed to optimize chondrocyte viability
- › Preservation solution includes a nutrient medium and an antibiotic
- › CLIA-certified testing includes microbiological evaluations during processing and final packaging, as well as environmental and water quality monitoring
- › Environmental monitoring uses a combination of RODAC touch plates, viable and nonviable air particle counts, and settle plates
- › All donor tissue is recovered and processed in the United States by AATB- and FDA-accredited tissue banks



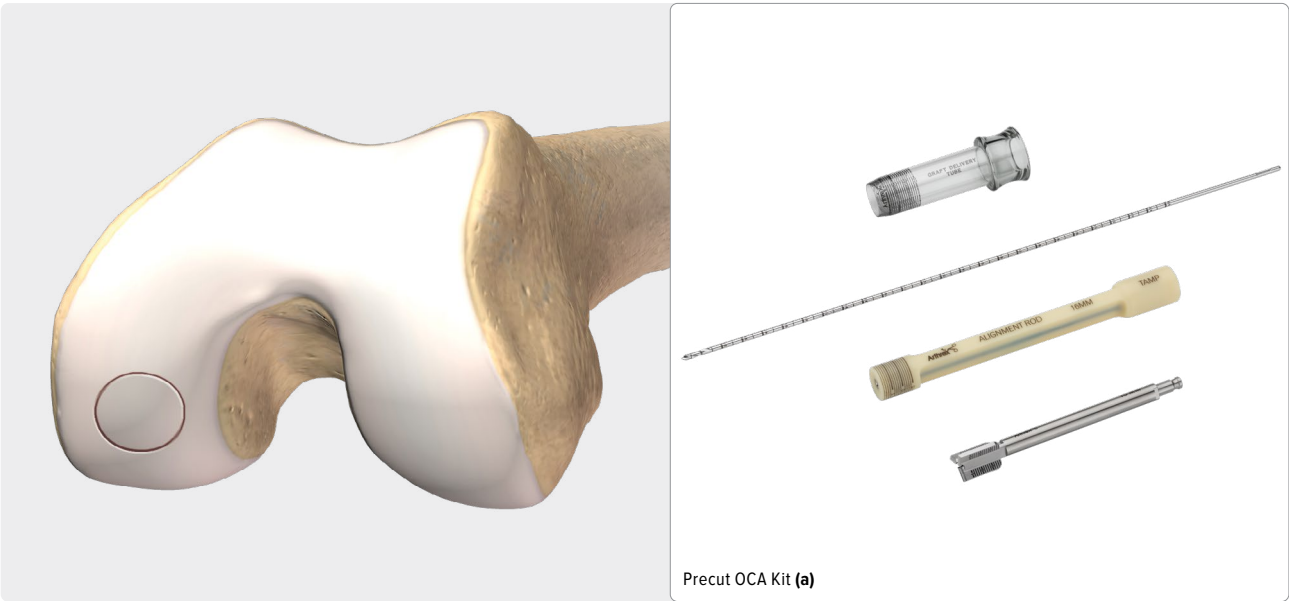
Use for cartilage defects in the capitellum, talus, trochlea, femoral condyle, humeral head, femoral head, and metatarsal head



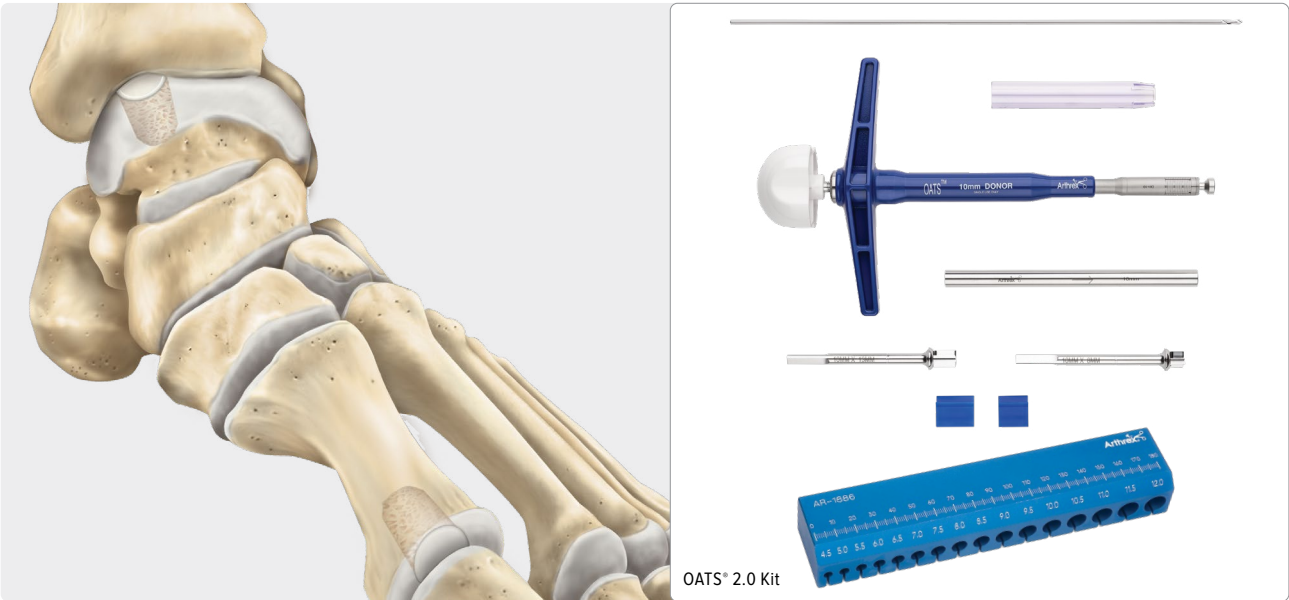
Precut fresh OCA core



Precut Fresh OCA Cores



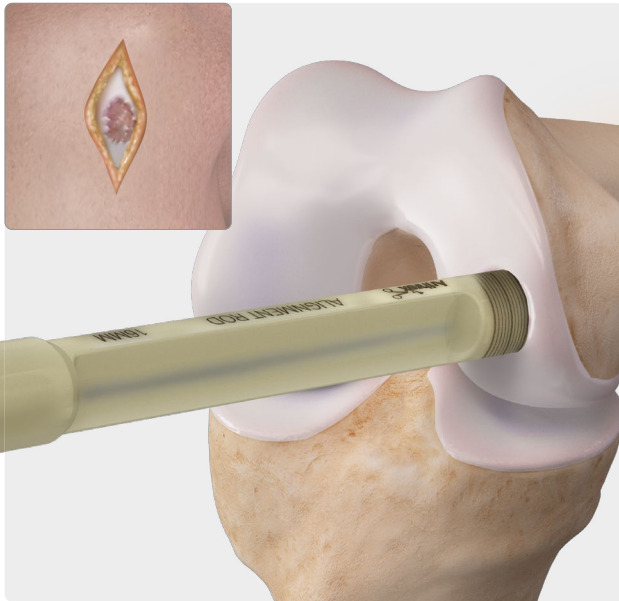
A precut OCA core eliminates both the need for autologous cartilage harvest and the time required to manually create a plug from a larger allograft condyle. Arthrex Precut OCA Kits include all the instruments needed to size and implant a precut OCA core, offered in 16 mm and 20 mm diameters (a).



Precut OCA cores are readily available, requiring no access to the knee to recover suitable autologous cartilage plugs for procedures in the foot and ankle.

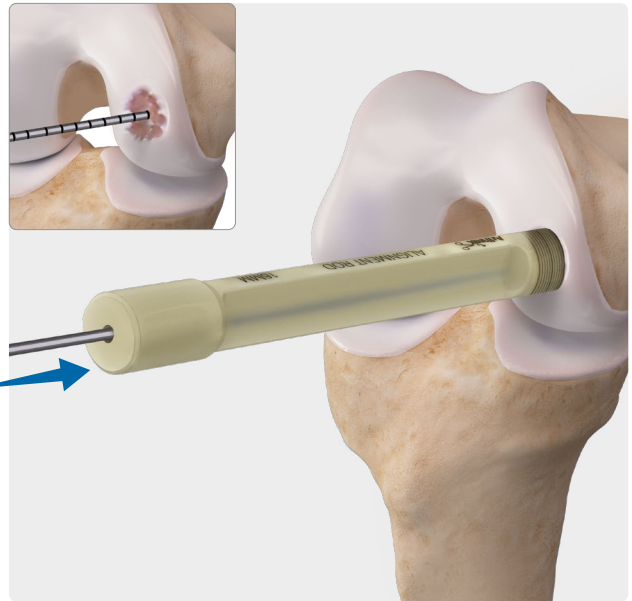
Easily downsize the 10 mm precut OCA core by placing it cartilage side up in the 11 mm slot of the AR-1886 graft tube and then using a smaller single-use OATS set to cut the core to a smaller diameter.

Surgical Technique



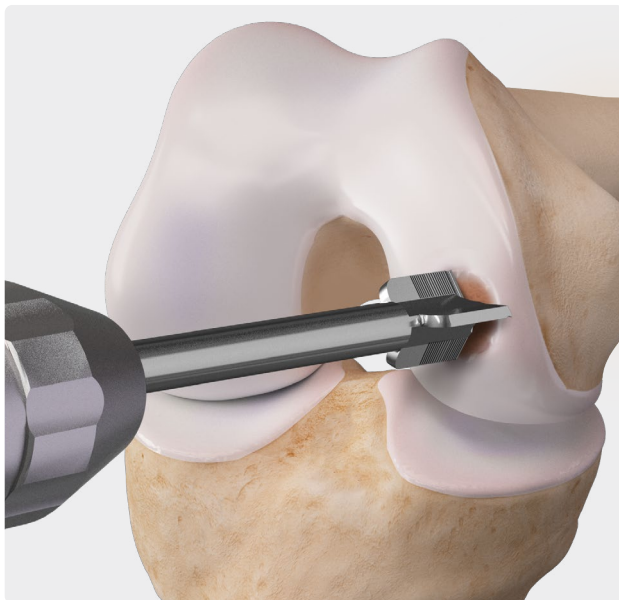
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Perform a standard parapatellar arthrotomy to expose the defect. Place the allograft OATS® alignment rod over the defect to approximate coverage of the lesion.



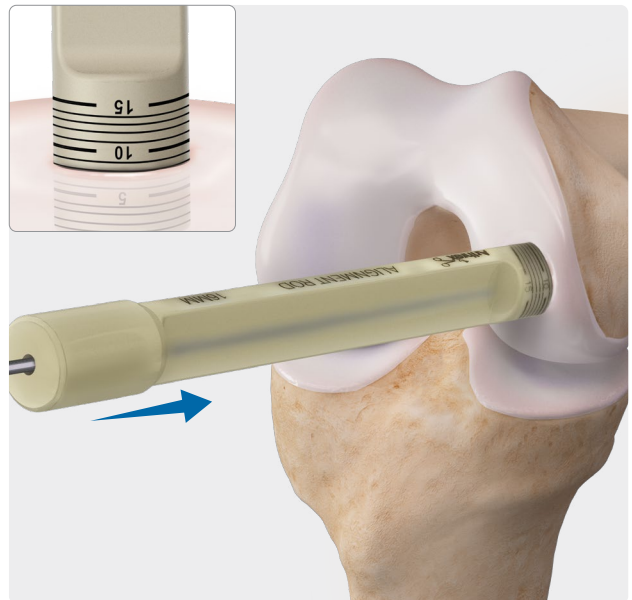
2

Staying perpendicular to the condyle surface, insert and advance the drill tip guide pin through the cannulated alignment rod and into the bone to a depth of about 2-2.5 cm. Remove the alignment rod, leaving the pin in place.



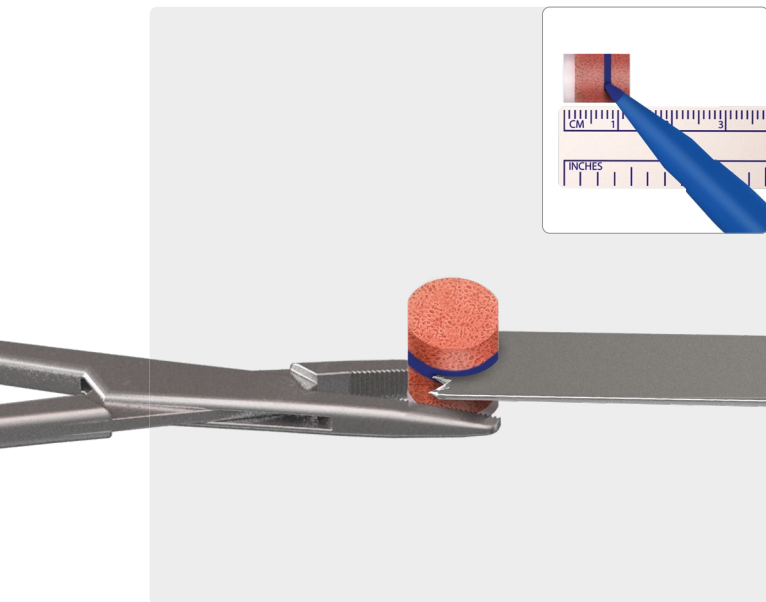
3

Secure the allograft OATS recipient counterbore to the drill and place it over the drill tip guide pin. Drill the counterbore into the defect and subchondral bone to an appropriate depth (not to exceed the length of the allograft plug). Remove any bone remnants from the socket.



4

Insert the alignment rod (depth-etched side) over the drill tip guide pin and into the recipient socket site to confirm the depth of the socket. Remove the alignment rod and drill tip guide pin from the socket.



5

Mark the allograft bone to identify the appropriate length identified in the recipient socket. Secure the allograft by hand or with small forceps and use a rongeur or saw to trim the bone to the length needed to ensure a press fit in the recipient socket.



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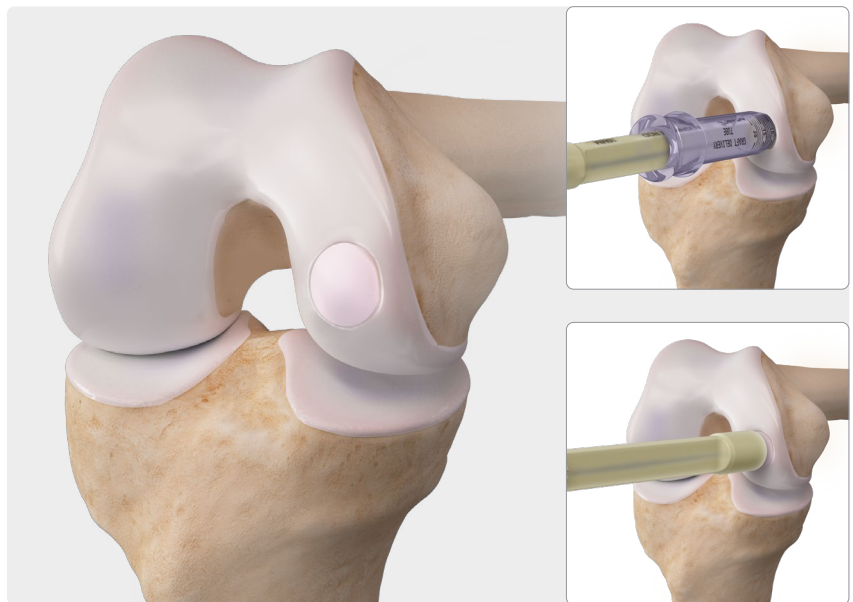
The bony aspect of the allograft should be pulse lavaged. The allograft bone can be soaked in autologous conditioned plasma (ACP) or concentrated platelet-rich plasma (cPRP) from bone marrow aspirate prior to implantation.



7

Insert the precut core into the delivery sleeve, bone side first. Place the alignment rod (depth-etched side) inside the delivery sleeve to advance the precut core into the socket.

Note: Extruding 1-2 mm of the bone before placing it into the socket will assist with insertion.



8

Gently tamp the precut core into the socket, leaving it slightly proud. Remove the delivery sleeve and now use the opposite end of the alignment rod to tamp the graft fully into place until it is flush with the surrounding cartilage.

Ordering Information

Precut Osteochondral Core

Product Description	JRF Ortho Item number	LifeNet Health Item number
Precut osteochondral core, fresh, 10 mm	45647010	RFP10
Precut osteochondral core, fresh, 12 mm	45647012	
Precut osteochondral core, fresh, 16 mm	45647016	RFP16
Precut osteochondral core, fresh, 20 mm	45647020	

Precut OCA Kits

Precut OCA Kit, 16 mm	ABS-1981-16S
Precut OCA Kit, 20 mm	ABS-1981-20S

Single-Use OATS® 2.0 Sets

Single-use OATS set, 6 mm	ABS-8981-06S
Single-use OATS set, 8 mm	ABS-8981-08S
Single-use OATS set, 10 mm	ABS-8981-10S
Single-use OATS set, 12 mm	ABS-8981-12S

Products advertised in this brochure/surgical technique guide may not be available in all countries. For information on availability, please contact Arthrex Customer Service or your local Arthrex representative.

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.



Arthrex manufacturer, authorized
representative, and importer
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US patent
information