

Arthrex Graft Gun

Next-Generation Graft Delivery System



Arthrex Graft Gun

The graft gun is a revolutionary device that enables surgeons to deliver any bone graft they desire, including AlloSync™ and AlloSync Expand cortical fibers, ArthroCell™ and ArthroCell Plus cellular bone grafts, AlloSync Pure demineralized bone matrix, AlloSync gel, and various autograft chunk sizes, in a minimally invasive fashion. Engineered as an ideal graft delivery solution, the graft gun is primarily designed for minimally invasive spinal fusion procedures in both the disc space and the gutters.

The graft gun consists of a reusable gun, loaders, and disposable kits, which include the delivery cannula and pushrod, making it suitable for any fusion procedure. The first of its kind, this device is also bayoneted, allowing for direct visualization of the delivery locations.

Historically, graft delivery has been an ongoing challenge, often limiting bone graft selection based on the graft type and surgical approach, as many bone grafts used in spinal fusion procedures are incompressible or nonflowable by nature. Current solutions to address this are limited by ease of use or graft compatibility and often include features that constrain visualization. Additionally, loading autograft chips or allograft fibers can be extremely time-consuming with many of these devices, burdening the surgeon or operating staff and potentially increasing procedure times.



FEATURES AND BENEFITS

- › Compatible with any desired bone graft, including allograft chunks up to 5 mm in diameter¹
- › Single-handed ratcheting mechanism provides ergonomic ease of use and auditory confirmation
- › Loaders can easily be packed with bone graft on the back table and used to quickly fill the cannula for delivery before being handed to the surgeon
- › Ovular radiopaque tip for direct fluoroscopic visualization
- › Bayoneted design allows for direct visualization
- › Back assembly features a plunger shield to ensure the device stays within the sterile field
- › Cannula is translucent to visualize the amount of graft implanted
- › Disposable cannulas allow the delivery of up to 6 cc of graft with a single pass

- › Cannula with a working length of 125 mm is suitable for use with even the longest posterior retractor tubes
- › Graft gun can be fully disassembled for cleaning



Reference

1. Arthrex, Inc. Data on file (APT-1022220). Naples, FL; 2025.

Disposable Cannula and Instrument Quick Guide



01

Assemble the graft gun by first inserting the front assembly and aligning the laser-etched No. 1s. Rotate clockwise until fully seated. Next, insert the back assembly by aligning the laser-etched No. 2s and rotate clockwise until fully seated. Lastly, insert the gun shield by aligning the laser-etched No. 3s.



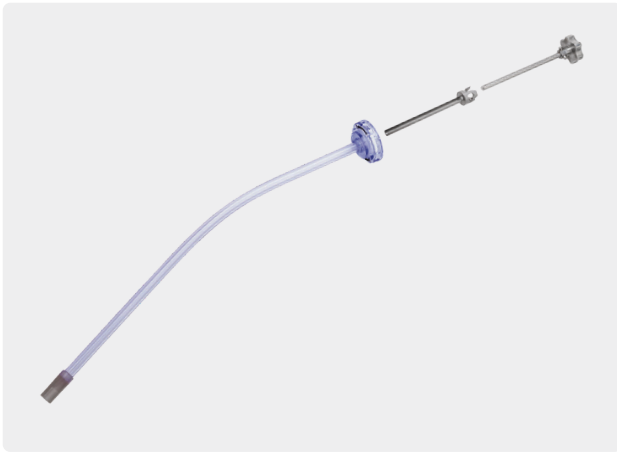
02

Insert the graft into the loading cartridge, then insert the cartridge into the cannula.



03

Insert the pushrod to load the graft, then rotate the pushrod to lock it into the cartridge for removal.



04

Repeat steps 02 and 03 until the desired amount of the graft is placed in the cannula.



05

Attach the cannula to the graft gun by aligning and rotating it clockwise to the locked position.



06

Orient the gun shield and insert the plunger (arrow side first) into the back assembly. Actuate the handle to advance the plunger.

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 information (Arthrex eIFUs)



US patent information