Arion Anterior Expandable Cervical Discectomy Fusion Cage is manufactured from PEEK OPTIMA® and the blade is produced from Titanium Grade 23 ELI.

The Arion blades are designed to make fixation easier. The edges of the blade are sharp so that it can cut through bone. This also increases the hold of the cage after fixation.

The expandable end of the blade causes the cage to expand after fixation increasing the surface contact area. This can also relieve pressure off of the foramen space preventing nerve entrapment.

Due to its design, grafting gaps are optimal. There are 6 optional heights (H5, H6, H7, H8, H9, H10).
**ARION Blades** are designed to ensure fixation. Special Blade design is sharp from all angles to provide easy and secure grip.

Expandable design helps increase vertebral foramen space to prevent nerve entrapment.

Designed according to the anatomical angle of the patient.

Expansion ensures a better fixation without affecting patient anatomical angle.

**ARION’s holder and driver** are designed as one small, compact and functional hand tool to prevent multiple hand tool usage.
It is manufactured by biocompatible PEEK OPTIMA® and Ti-6Al-4V ELI Grade 23 ELI titanium implant material.

Optimum grafting gaps:
H5, H6, H7, H8, H9, H10: 6 different sizes

Fast, easy and effective implantation by its ergonomical driver
High load carrying capacity due to its optimised design

### Implants

#### Arion Cage

<table>
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<th>Description</th>
<th>Size</th>
<th>Height</th>
<th>Lordosis</th>
<th>Reference Number</th>
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Arion Trial Holder
ARN-TH-9017

Arion Free Imcaptor
ARN-FI-9025

Implant Inserter
ARN-IMP-9001

Arion Free Driver
ARN-FD-9026

Arion Hammer
111-HM
Arion Implant Caddies
ARN-ITC-9022

Arion Trial Caddies
ARN-TC-9024
Surgical Technique

ARION PRE-IMPLANT PREPARATION

Arion Awl

After the necessary surgical preparations and procedures are performed, an access hole is opened to send the screw with the Arion Awl (Figure 1).

Arion Caspar Pin Driver-Caspar Pin

The pins may be selected to widen interbody disc space. If possible, drive 2 pins into the middle of superior and inferior vertebrae in each using Arion Pin Driver (Figure 2).
Surgical Technique

Arion Caspar Distractor-Casper Pin

It is recommended that pins should be driven at least 5.00mm apart from the endplates. Then put the 2 holes of Casper retractor into the pins driven into the vertebrae. The disc space can be prepared by turning the knob prior to disectomy (Figure 3).
The Arion Trial Cage is designed for use with prosthesis holder in any cervical instrument. Starting with the smallest trial, sequentially larger trials are tamped completely into the disc space. The most satisfying trial that fits to the disc space are selected. Successful trial selection confirms parallel endplate preparation. The trial should fit and produce a tight fit in the disc space. If this is not possible, a larger trial should be attempted, or the end plates should be more adequately prepared, or both (Figure 4).
**ARION IMPLANT INSERTION**

**Arion Implant Inserter**

Arion Cervical Cage is selected according to the last trial chosen and is gently placed between the disc space using the prosthesis holder. The implant taped into the disc space using tamp and mallet (Figure 5).
Position the implant and holder in the correct cranial/caudal alignment and carefully insert them into the distracted segment. The Cervical Cage is impacted using the mallet or Arion hammer while distraction of the interbody space is maintained. Release the caspar retractor and remove all instruments (Figure 6).
Arion Implant Inserter

After inserting the cage in the interbody space, turn the handle on the impactor 90 degree clockwise and the blade follows the handle as well. When the handle and the blades become parallel with the vertical axis, this process is completed (Figure 7).
FREEHAND TECHNIQUE
Arion Free Driver

After inserting the cage in the interbody space, turn the handle on the impactor 90 degree clockwise and the blade follows the handle as well. When the handle and the blades become parallel with the vertical axis, this process is completed (Figure 8).

(Figure 8: ARN-FD-9026)
ARION IMPLANT REMOVAL

Arion Implant Inserter-Arion Hammer

This procedure is reverse of the implantation process. Fixed the impactor to the implant. Turn the handle on the impactor 90 degree counter clockwise in a controlled manner. When the handle becomes vertical with the vertical axis (Blade should be at the same position with the handle so it will be closed.), the cage is pulled backwards (Figure 9).