

ACORN

Cervical PEEK Cage System Surgical Technique

Product Profolio

■ ACORN Cervical PEEK Cage 5°



Code	Specification Width×Length×Height
9906101513	15.5×13×4
9906102513	15.5×13×5
9906103513	15.5×13×6
9906104513	15.5×13×7
9906105513	15.5×13×8
9906106513	15.5×13×9

Instruments



■ 8701270
Cervical Cage Holder



■ 8701030
Trial Spacer, 5°, 15.5×13×4



■ 8701031
Trial Spacer, 5°, 15.5×13×5



■ 8701032
Trial Spacer, 5°, 15.5×13×6



■ 8701033
Trial Spacer, 5°, 15.5×13×7



■ 8701034
Trial Spacer, 5°, 15.5×13×8



■ 8701035
Trial Spacer, 5°, 15.5×13×9



■ 8701130
Ring Curette



■ 8701410
Rasp



■ 8701060
Bone Packing Block, Cervical



■ 8701070
Bone Impactor, Cervical



■ 8701080
Awl



■ 8701090
Trepine



■ 8701100
Trepine Sleeve



■ 8701110
Graft Pusher



■ 8701220
Hammer, Cervical



■ 8701020
Implants Case

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ACORN Cervical PEEK Cage Instrument Set 8701000

Product Code	Description	Qty
8701270	Cervical Cage Holder	1
8701030	Trial Spacer, 5°, 15.5×13×4	1
8701031	Trial Spacer, 5°, 15.5×13×5	1
8701032	Trial Spacer, 5°, 15.5×13×6	1
8701033	Trial Spacer, 5°, 15.5×13×7	1
8701034	Trial Spacer, 5°, 15.5×13×8	1
8701035	Trial Spacer, 5°, 15.5×13×9	1
8701130	Ring Curette	1
8701410	Rasp	1
8701060	Bone Packing Block, Cervical	1
8701070	Bone Impactor, Cervical	1
8701080	Awl	1
8701090	Trepine	1
8701100	Trepine Sleeve	1
8701110	Graft Pusher	1
8701220	Hammer, Cervical	1
8701020	Implants Case	1
8701013	Instrument Case	1



Optional Instruments

Product Code	Description
8701036	Trial Spacer, 15.5×13×10
8701230	Rasp, 15.5×13×4
8701231	Rasp, 15.5×13×5
8701232	Rasp, 15.5×13×6
8701233	Rasp, 15.5×13×7
8701234	Rasp, 15.5×13×8
8701235	Rasp, 15.5×13×9
8701236	Rasp, 15.5×13×10

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ACORN Cervical PEEK Cage System
Surgical Technique

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Cervical PEEK Cage System Surgical Technique

Product Introduction

The ACORN PEEK Cage Systems restore the disc height and provide the stability during and after the bone fusion period. The three dimensional reconstruction helps to improve the load sharing of the anterior and posterior spinal column and restore anatomic kyphosis/lordosis. The systems also provide varying shape and size configurations to match different anatomy.

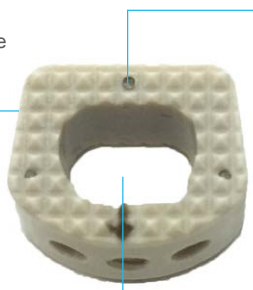
ACORN Cervical PEEK Cage

Designed for posterior interbody fusion procedure:

- Footprint: 15.5x13mm
- Lordotic Angulation: 5°
- Height: 4-9mm (1 mm increment)

Footprint / Lordotic Angulation	5°
15.5x13	4-9mm

Pyramid shaped teeth allows inter-space minor movement while resist expulsion after the implantation



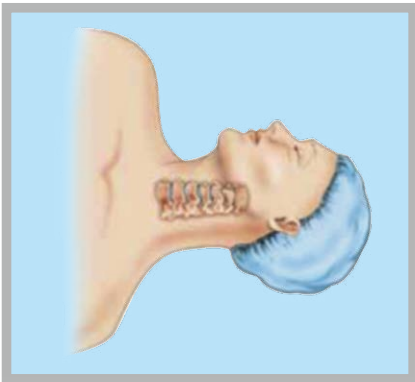
Threaded insertion feature secures the greater control

5°lordotic design fit for cervical anatomy

Surgical Technique

1. EXPOSURE

The patient is placed in the supine position with the head in slight extension. The mandible is tilted out of the surgical field. The posterior cervical spine is supported to establish and maintain normal lordosis. The surgeon selects a right- or left-sided approach to the cervical spine.



A transverse or oblique skin incision is made. A muscle-splitting approach is made to the spine through an avascular dissection plane. The strap muscles, trachea and esophagus are retracted medially, and the carotid sheath is retracted laterally. Retractors are used to provide initial exposure of the anterior vertebral column and the adjacent longus coli muscles.

Note: The Fixation Pin and Caspar Retractor are from BoTEC ACP instrument set.

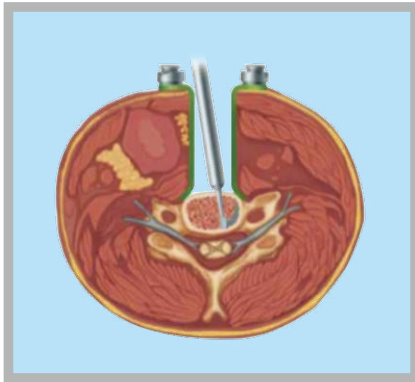


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Cervical PEEK Cage System Surgical Technique

2. DISCETOMY

Pituitaries, curettes, and thin- footed Kerrison rongeurs may be used to remove the disc material and cartilage to expose the posterior longitudinal ligament. A high-speed drill with a burr (match tip/ round) may be used for removal of the posterior disc and osteophytes to achieve neural decompression. The posterior longitudinal ligament and osteophytes are then carefully removed.



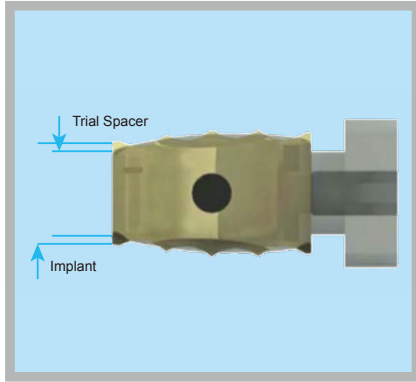
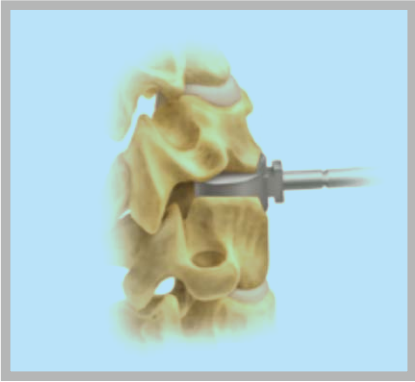
3. TRIALING AND END-PLATE PREPARATION

Final end-plate preparation is carried out with the Rasp. The Rasp creates a mortise for the Acorn Cervical Cage. The Rasp will decorticate the end plates with minimal bone removal. Additionally, the Rasp will help ensure adequate end-plate preparation.

4. IMPLANT SELECTION WITH TRIAL SPACERS

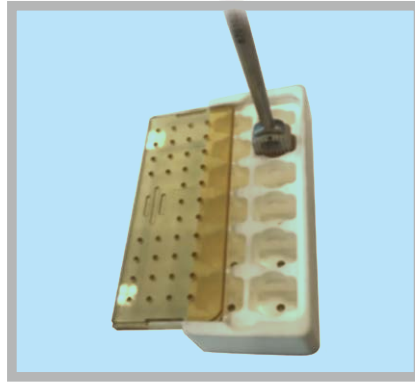
Trial spacers are available for all corresponding implants to provide guidance prior to graft selection. Select the trial spacer size that adequately fills the disc space and provides restoration of disc height. The trial spacer should require minimal force to insert, yet fit snugly within the disc space.

Note: The trial spacer heights are approximately 1mm shorter than their corresponding implants and, therefore, slide in easier than the implant.



5. IMPLANT SELECTION

Purchase the cage from Implant Case (8701020) by using Cervical Cage Implant Holder (8701270) .

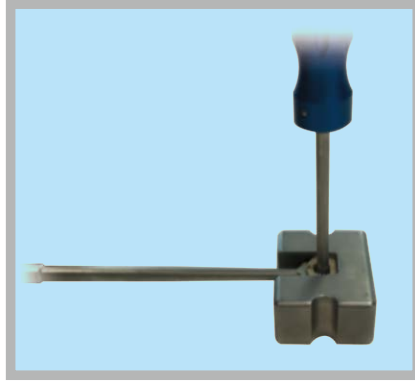


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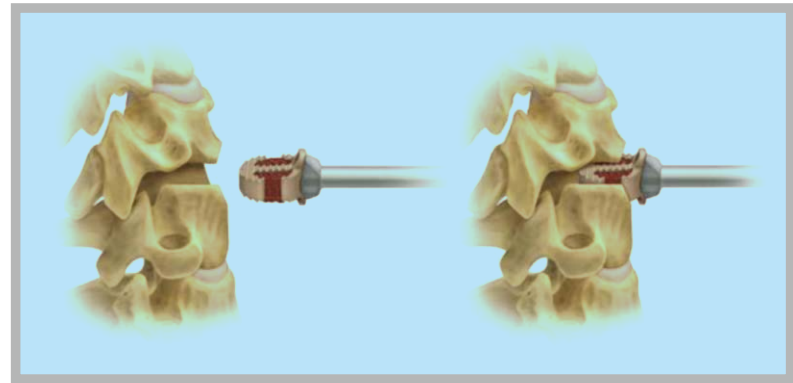
6. BONE PACKING

Hold the cage and put it into Cervical Cage Bone Packing Block (8701060) and fill auto-graft into the cage by using Cervical Cage Bone Packing Block (8701060) with Cervical Cage Bone Impactor (8701070) before implantation.



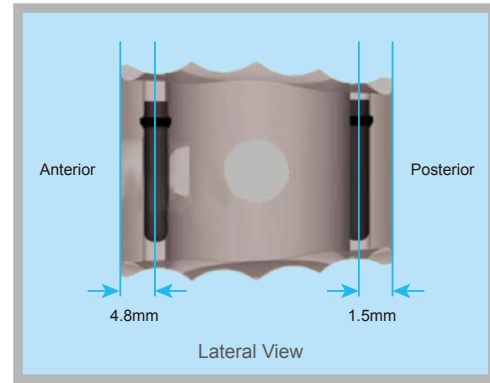
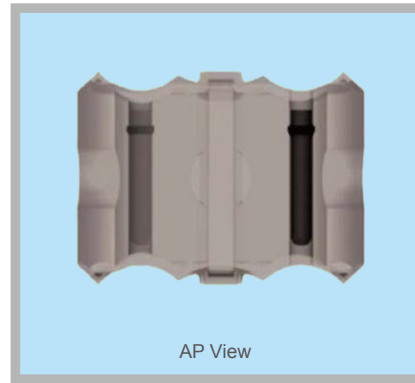
7. IMPLANT INSERTION

Insert the cage into the intervertebral space as prepared, and packed in place with Hammer (8701220) if necessary .



8. IMPLANT POSITIONING

Using the trial spacer as a guide, verify that appropriate height restoration is achieved with direct visualization AP and lateral fluoroscopy.



9. REMOVAL (IF NECESSARY)

If removal of the implant is necessary, the inserter can be reattached to extract the implant from the space. Alternately, the remover tool can be threaded into the implant to extract it from the space.