

Optio-C[®]

Anterior Cervical System

A Zero Profile Cervical
Fusion Option



HIGHRIDGE

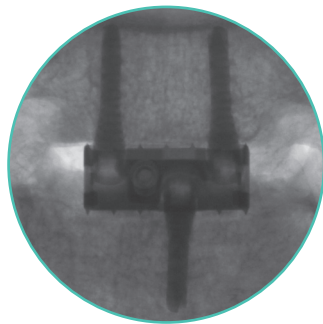


The Optio-C System: Secure Fixation With No Profile

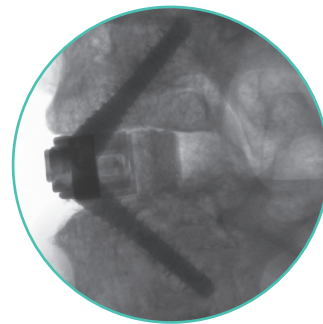
Segmental Stability Study*: The images show the midline screw within the bone before and after cyclic loading (flexion/extension).

Conclusion: None of the screws evaluated showed signs of screw pullout or back-out, and there were no visual differences with regard to screw loosening.

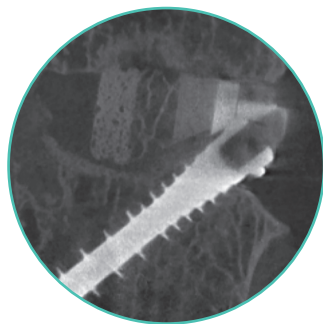
Images show the pre- and post-cycling micro-CT images of specimen implanted with Optio-C allograft spacer.



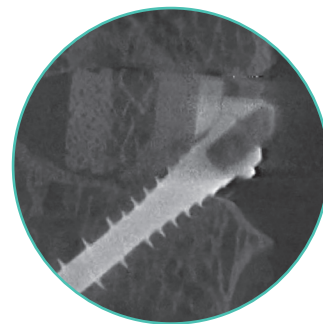
Anterior view



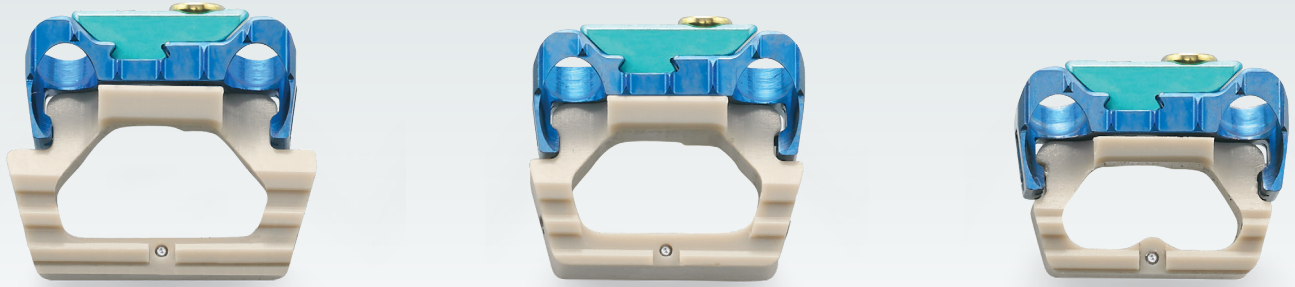
Lateral view



Before



After



Strength Without Compromise

The Optio-C System is the industry's first zero-profile, modular stand-alone cervical device that offers allograft¹ and PEEK spacer options and delivers the strength, stability and fusion potential of a traditional anterior cervical discectomy and fusion (ACDF).²

Fuse with confidence



Versatility

- Intervertebral spacers available in PEEK-OPTIMA® and allograft
- Three footprints combined with a wide variety of screw options allow surgeons to configure the best construct for patient anatomy
- Variable screw trajectories ease implantation above or below adjacent-level constructs



Minimalism

- Zero-profile design reduces anterior hardware and may reduce the risk of dysphagia and dysphonia
- Integrated screw fixation eliminates the need for additional plating when addressing disease adjacent to an existing fusion
- Sleek, low-profile instrumentation minimizes exposure and simplifies the surgical procedure



Security

- DiamondTip screw technology allows screws to be placed without pilot holes, reducing surgical steps
- Corticocancellous screw thread is designed to enhance bone purchase
- Secure antimigration system provides tactile and visual confirmation
- Pre-assembled locking mechanism secures all screws simultaneously

The Optio-C System: Secure Fixation With No Profile



PEEK or Allograft* Spacer Options

- Three footprints to accommodate patient anatomy
- Allograft consists of cortical and cancellous bone



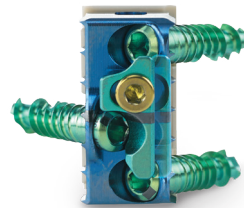
Proprietary Screw Performance

- DiamondTip screw technology reduces surgical steps because screw can be placed without pilot hole²
- Corticocancellous thread designed to enhance bone purchase



Optimize Load Sharing on Spacer

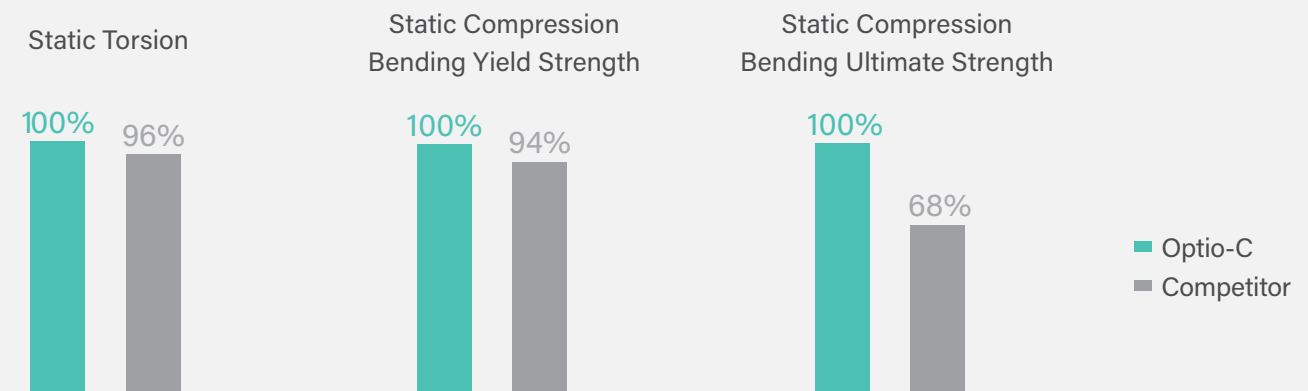
- Unique load-sharing interface designed to facilitate fusion
- Variable angle screws designed to prevent stress shielding

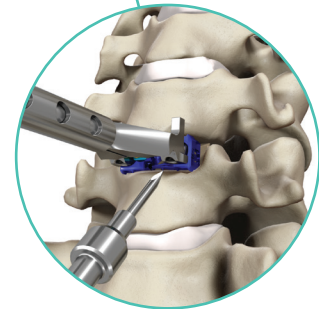
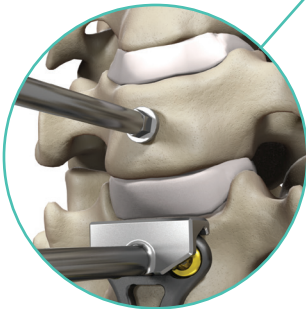


Confidence in Locking Mechanism

- Secure antimigration system provides tactile and visual confirmation
- Pre-assembled locking mechanism secures all screws simultaneously

Plate Strength Equivalent to a Traditional Cervical Plate¹





Innovative Distraction Pins

- Facilitate implantation with existing hardware
- Accommodate different plate widths and thicknesses

Minimally Invasive Procedure

- To minimize exposure, awls, drills and drivers are available in every configuration: straight, u-joint or flexible
- All drivers have a unique screw retention feature to accommodate various screw implantation angles

Low-profile Instrumentation

- Inserter guide enhances visibility for a midline implant placement
- Drill guides designed to allow for easy site access

Optio-C Implant Specifications

Plate, PEEK Spacer and Allograft[†]

FOOTPRINT (L x W)	HEIGHT (ANTERIOR)
12 mm x 14 mm	6 mm-12 mm
14 mm x 16 mm	6 mm-12 mm
15 mm x 18 mm	6 mm-12 mm

Screw

LENGTH	DIAMETER	TRAJECTORY
12 mm (green)	3.3 mm	40° variable angle ± 5° (cephalad/caudal)
14 mm (magenta)	3.3 mm	
16 mm (gold)	3.3 mm	

Plate

WIDTH	HEIGHT
16 mm	6 mm-12 mm (1 mm increments)

[†]Structural allograft/autograft

References:

1. Data on File. Demonstrated by mechanical testing per ASTM F1717.
2. Konz RJ, Jensen LM, Kincaid BL. Comparison of self-drilling and self-tapping cervical spine screws using ASTM F543-07. J ASTM Int. 2011;8(7):1-13.

For more information, visit [highridgemedical.com](https://www.highridgemedical.com)

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