

## Indications

**Zero-P.** Zero profile anterior cervical interbody fusion (ACIF) device.

The Zero-P system is intended for use following anterior cervical discectomy for reduction and stabilization of the cervical spine (C2–C7).

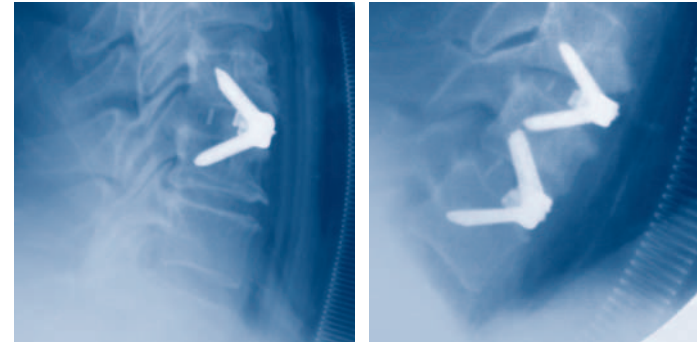
### Indications include

- Degenerative disc disease (DDD, defined as neck pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies)
- Spinal stenosis
- Failed previous fusions
- Pseudoarthrosis

Combined plate and spacer

Reduced soft tissue impingement

Ease of use



# Zero-P. Zero profile anterior cervical interbody fusion (ACIF) device.

## Stand-alone ACIF implant

Zero-P acts as a stand-alone implant for use in cervical interbody fusions. Its design combines the functionality of a cervical interbody spacer and the benefits of an anterior cervical plate.

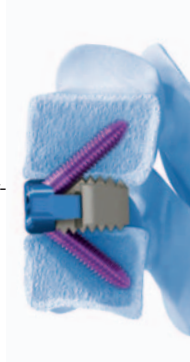
### Zero profile

#### – Reduces risk of dysphagia

The implant is contained within the excised disc space and does not protrude past the anterior wall of the vertebral body as do anterior cervical plates. This zero anterior profile may be beneficial in reducing the occurrence and severity of postoperative dysphagia.

#### – Prevents adjacent level ossification

It has been shown that cervical plates placed near adjacent level discs can contribute to bone formation near or around the adjacent level which may lead to future complications. Zero-P prevents this risk, as it remains as far as possible from the adjacent level disc spaces.

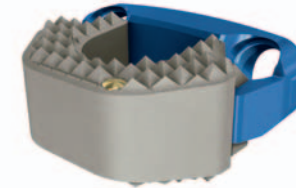


### Ease of use

- Because plate and spacer are preassembled, the plate is automatically aligned upon implant insertion. This avoids the process of aligning and realigning an anterior cervical plate.
- The Zero-P screws have a one-step locking conical head which locks the screw to the plate by simply inserting and tightening the screw.

### PEEK interbody spacer

- Spacer component is made of pure medical grade PEEK Optima® (Polyetheretherketone)
- Radiopaque marker for posterior visualization during imaging
- Teeth on the implant surface provide initial stability
- Available in different shapes



### Titanium alloy plate

- Provides a secure, rigid screw locking interface
- Stresses in plate are decoupled from spacer through an innovative interface



## Stability similar to that of an anterior spacer and plate

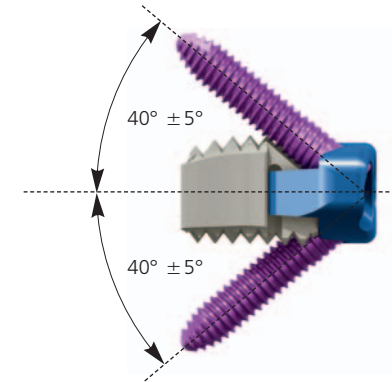
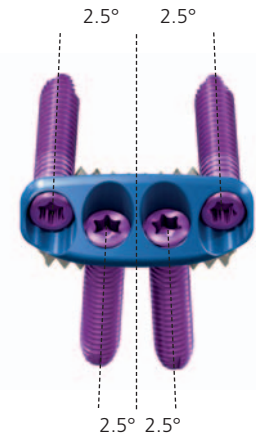
Biomechanical testing has shown the stability of the implant to be similar to that of traditional plates and spacers.

### A new stand-alone cervical anterior interbody fusion device: comparison with established anterior cervical fixation devices

Scholz M, Reyes PM, Schleicher P, Brantley AGU, Baek S, Kandziora F, Marciano F, Crawford NR

### Locking head screws

- Screws form a bone wedge with a  $40^\circ \pm 5^\circ$  cranial/caudal angle and  $2.5^\circ$  medial/lateral angle
- One-step locking screws
- Self-tapping screws improve thread purchase
- Trilobular thread cutting flutes are self-centering



## Implants

