

ZEVO™

FINDING NEW
DIRECTION



Product Information

Medtronic
Further, Together



ZEVO™

Anterior Cervical Plate System

Find a New Direction

The ZEVO™ Anterior Cervical Fusion System opens up a universe of versatility. Born from the latest cervical treatment trends, the system offers low-profile short-plate options, hyper-angulated screws, visualization windows, and central screw slots.

Over 30 years of experience in the cervical market combined with current treatment trends has been designed into the new ZEVO™ Anterior Cervical Plate System:

- Combination of short-plate options and hyper-screw angulations to avoid impingement on adjacent levels
- Low-profile plate thickness allowing for treatment of up to 4 levels of degenerative pathologies
- Cortical screw technology designed to maximize bone purchase, featuring an enhanced driver interface
- Versatile design featuring visualization windows,* slots for additional screw fixation, and unique pre-fixation options
- Instrumentation designed in parallel with implants to take advantage of the system features
- Visual, tactile, lock

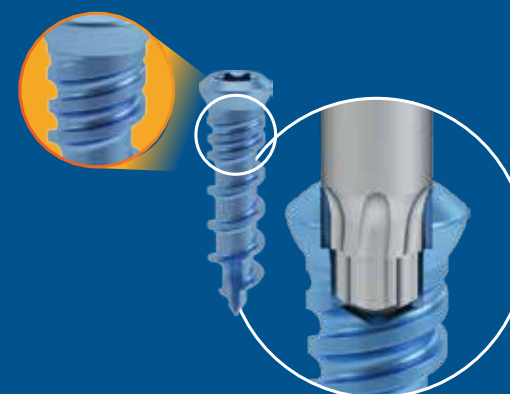
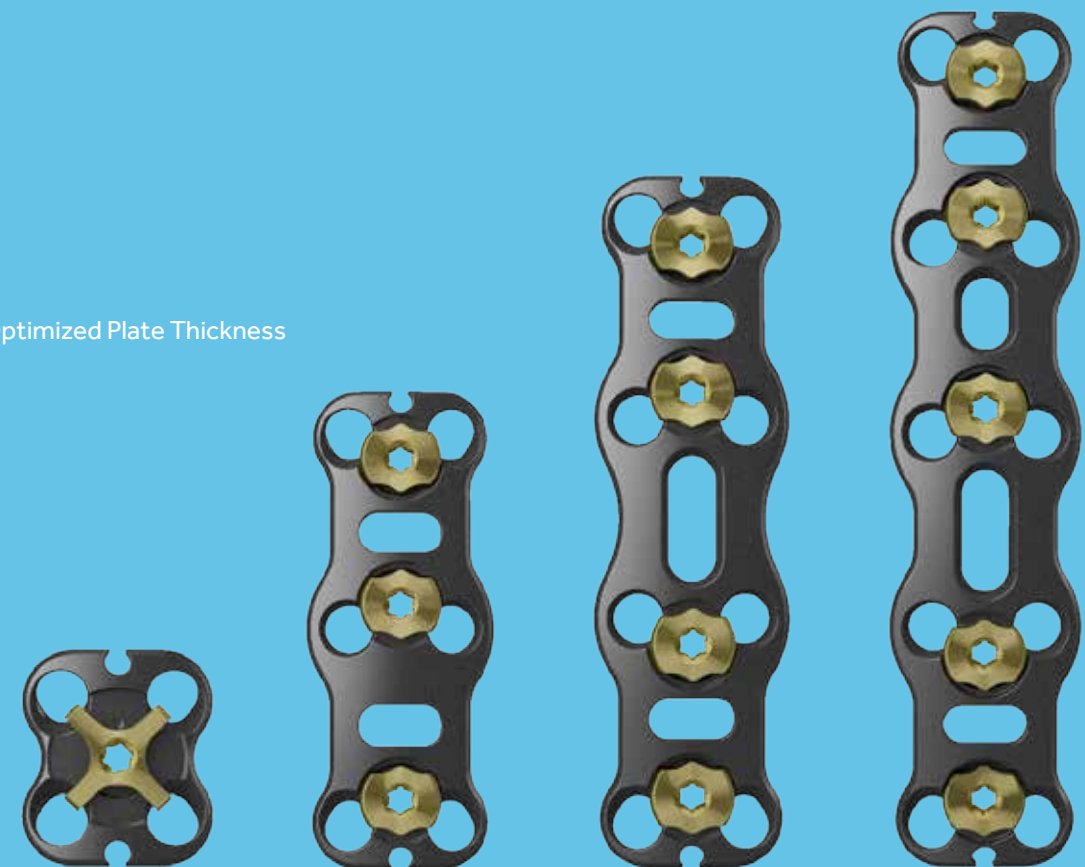
*Certain sizes excluded.



Short plates combined with hyper-screw angulations



Optimized Plate Thickness



Dual Thread Screw/New Interface

Versatile Design



Guided Instrumentation



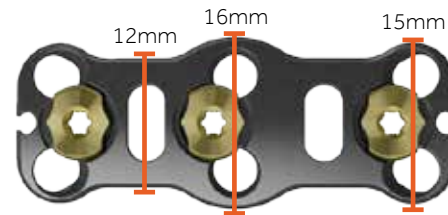
Minimized Plate Profile

Optimized plate thickness treats multiple-level patient pathologies.

We wanted to minimize the plate's thickness in order to, as much as possible, minimize the disturbance to local anatomy, while increasing the stability of the construct based on the needs of the presented case.

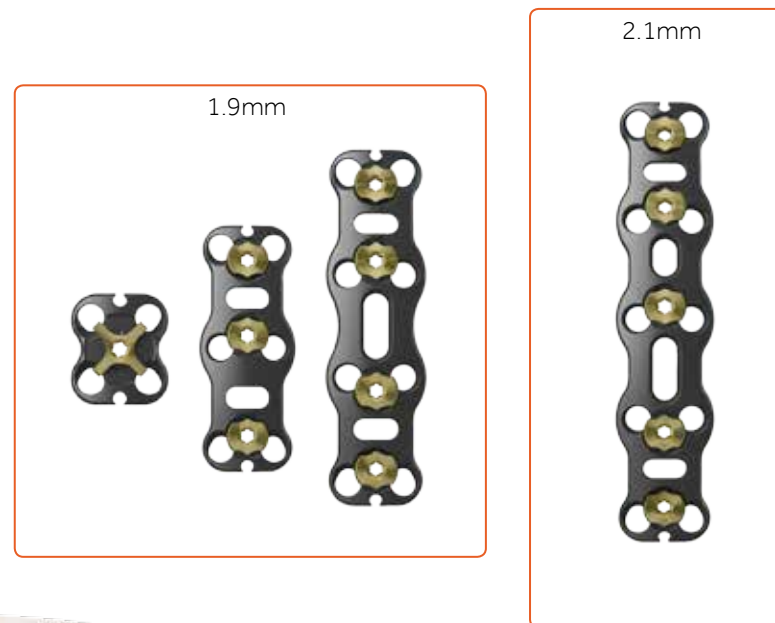
Plate Width

- Distal screw holes: 15mm
- Intermediate screw holes: 16mm
- Neck: 12mm



Graduated Plate Thickness

- 1 to 3 level plates: 1.9mm
- 4 level plates: 2.1mm



Find a New Angle on Excellence

The ZEVO™ design allows for a short-plate/hyper-angulated screw technique. Care should be taken to avoid penetration of the adjacent endplate, especially when using longer screws.

Literature suggests that this type of plating technique may reduce the incidence of adjacent level ossification development (ALOD).* (n=50/≤ 3 levels)

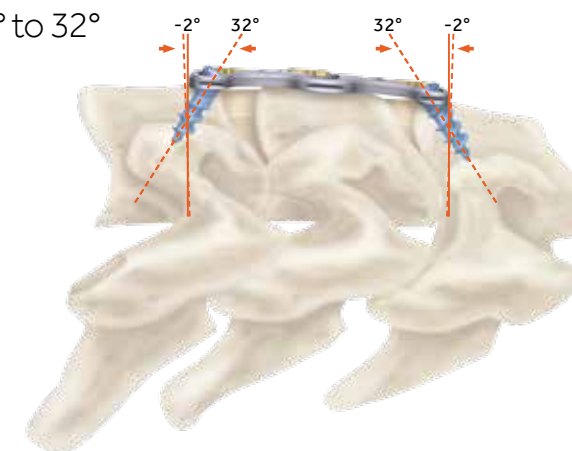
It shows shorter plate options combined with hyper-screw angulation allows for minimal:

- ALL resection
- encroachment of adjacent disc

all while allowing for longer screw placement.

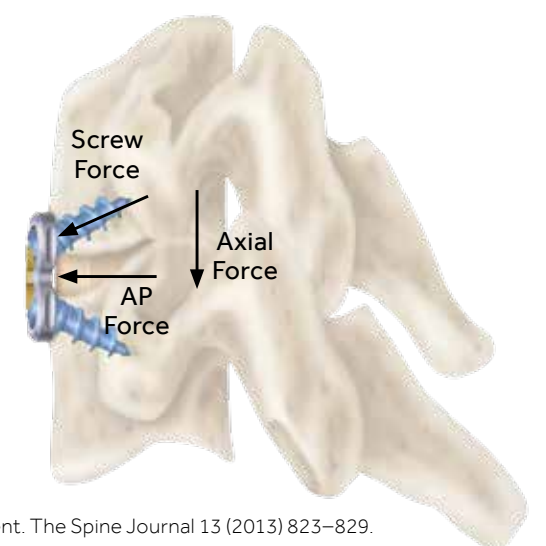
Angulations

- -2° to 32°



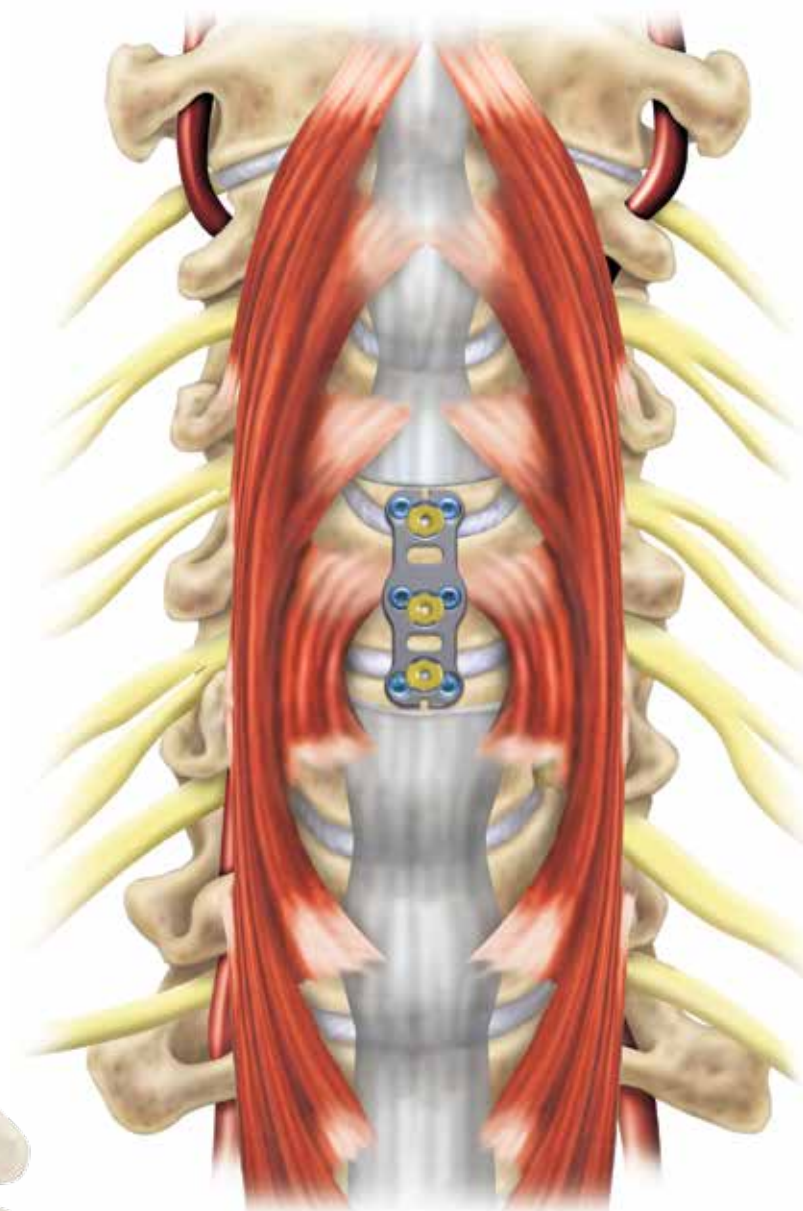
Graft Compression**

Internal calculations were performed, revealing that as the angulation of the screw increases, the axial force on the graft also increases with a minimal change to the AP force. According to the theory of Wolff's law, this is important for the promotion of bone growth.



*Lee et al. Anterior cervical plating technique to prevent adjacent-level ossification development. The Spine Journal 13 (2013) 823-829.

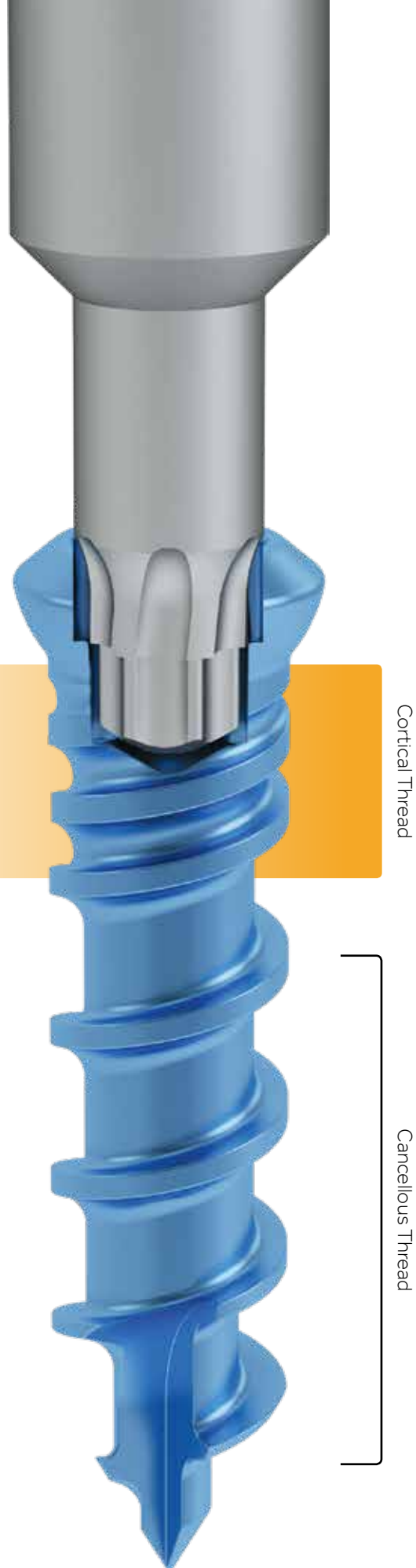
**Based on internal calculations



Find a Better User Interface

The ZEVO™ Anterior Cervical Plate System features a cortical-cancellous thread pattern, self-drilling and self-tapping options, and employs our proprietary hexalobe driver for an enhanced driver interface.

- ~3mm cortical thread designed to maximize interface with thin cortical shell
- 13mm, 15mm, & 17mm lengths
- 3.5mm and 4.0mm bone screws
- 4.5mm slot screw
- Variable only

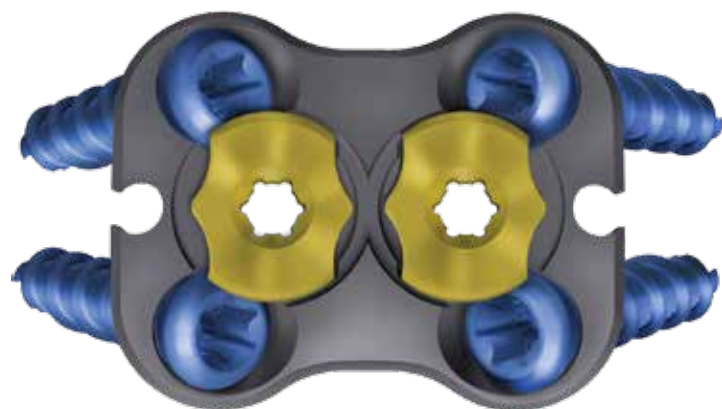


Cortical Thread

Cancellous Thread

Tune in for Positive Feedback

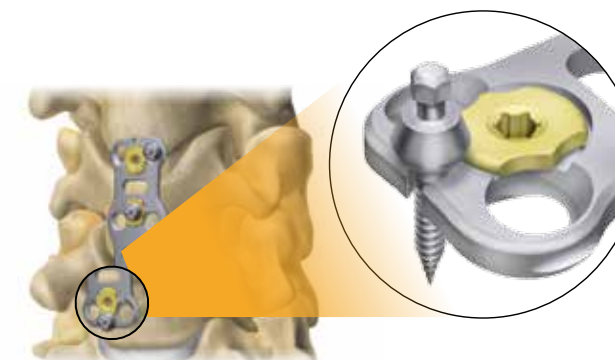
The ZEVO™ Anterior Cervical Plate System lock utilizes the same driver used to seat the screws and provides both visual and tactile feedback to indicate when it's engaged.



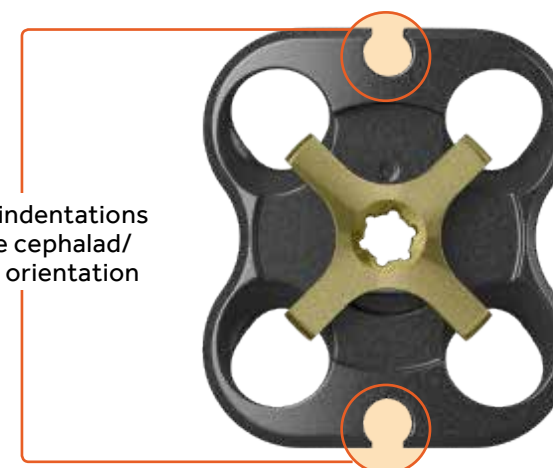
Versatile Pre-fixation & Fixation

Pre-fixation

- Distal indentations fully capture pre-fixation pin
Prevents plate migration during insertion

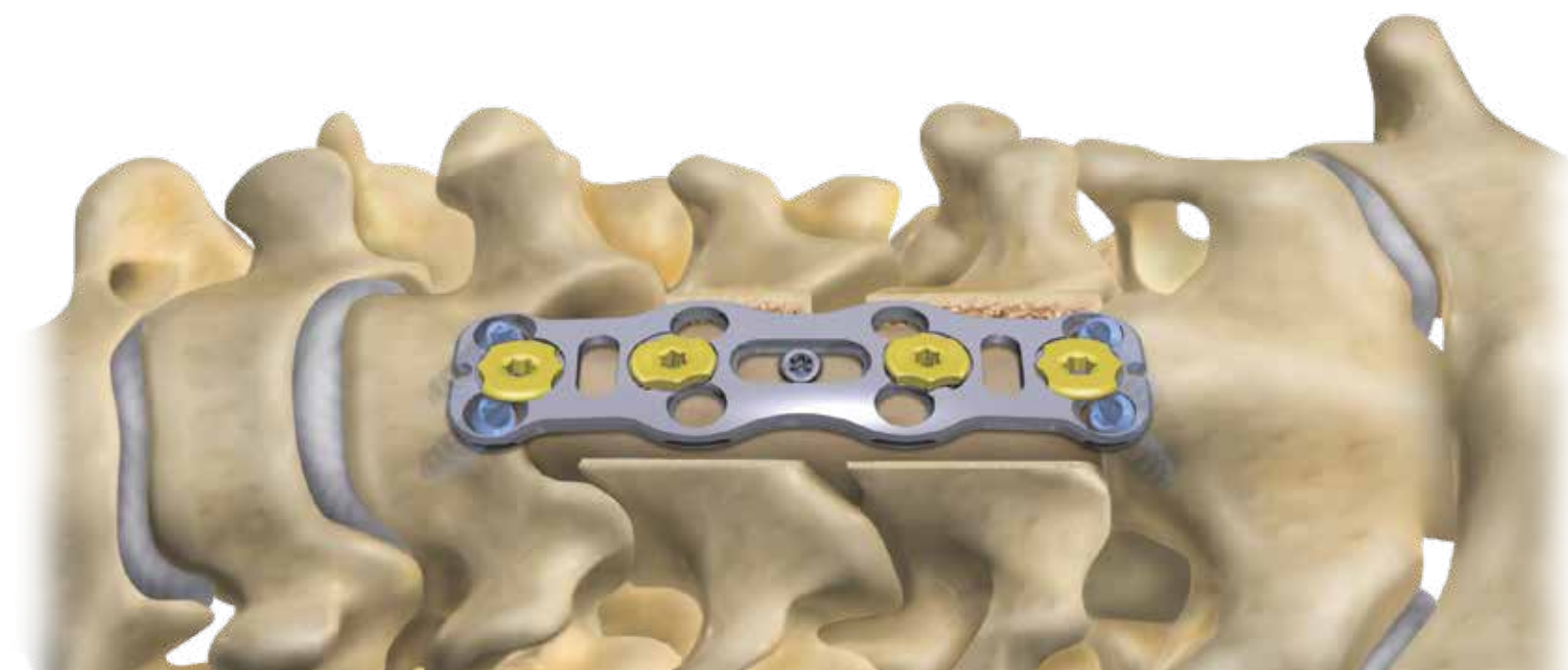


Distal indentations
denote cephalad/
caudal orientation



Slot Screw Option

3 and 4 level plates have a central slot designed specifically to be used with slot screws.



Set Configurations

SPS Number	Description	
SPS01717	KIT ZEVO™ CERVICAL PLATE	Mandatory
SPS01718	KIT ZEVO™ CERVICAL PLATE DTS GUIDES	Optional
SPS01719	DEMO ZEVO™ CERVICAL PLATE	Demo
Add-ons	Various plate sizes	Optional

Risks

- Tissue or nerve damage caused by improper positioning and placement of implants or instruments
- Fracture, microfracture, resorption, damage, or penetration of any spinal bone and/or bone graft or bone graft harvest site at, above, and/or below the level of surgery
- Bending, and/or breakage of any or all of the components

Indications

The ZEVO™ Anterior Cervical Plate System is intended for anterior interbody screw fixation from C2 to T1. The system is indicated for use in the temporary stabilization of the anterior spine during the development of cervical spinal fusions in patients with: 1) degenerative disc disease (as defined by neck pain of discogenic origin with degeneration of the disc confirmed by patient history and radiographic studies), 2) trauma (including fractures), 3) tumors, 4) deformity (defined as kyphosis, lordosis, or scoliosis), 5) pseudarthrosis, and/or 6) failed previous fusions.

Notes

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Please see the package insert for the complete list
of indications, warnings, precautions, and other
important medical information.

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