

# Mecta-C<sup>®</sup> STAND ALONE

ANTERIOR CERVICAL INTERBODY FUSION DEVICE

MODULAR DESIGN OFFERS FREEDOM OF CHOICE



Brochure

Joint

Spine

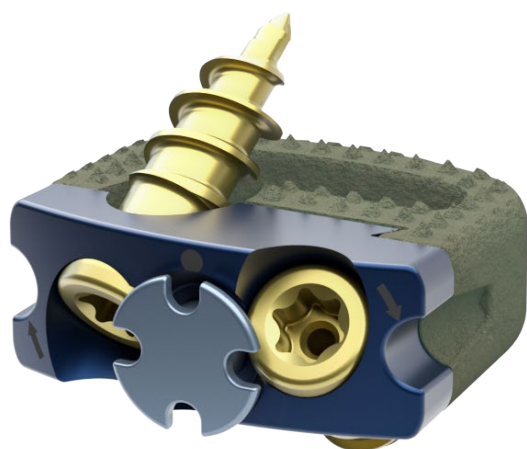
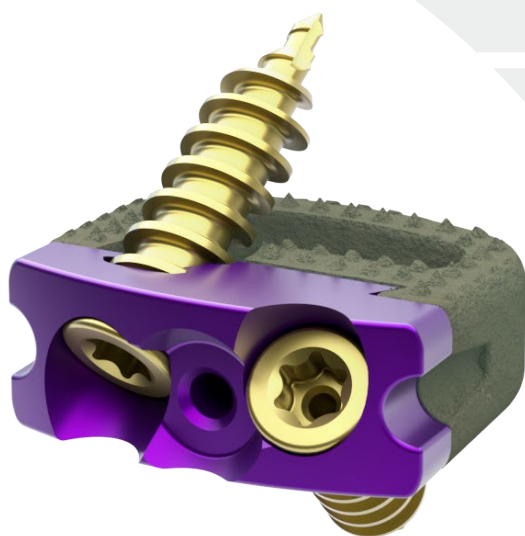
Sports Med

## MECTA-C STAND ALONE

Mecta-C Stand Alone is indicated for use in patients suffering from Degenerative Disc Disease at one level or two contiguous levels from C2 to T1.

## ANGULAR STABILITY

- Divergent & Convergent screws combination
- Increased **pull-out strength**
- Enhanced in-situ primary **stability**



## SIMPLICITY

Designed to simplify the surgical steps through an **easy and controlled implantation**.

Four plate configurations and angled instruments to cover different needs and **challenging anatomies**.

## BONE GRAFT VOLUME

Wide central bone **graft area** may help to accelerate the occurrence of fusion through the implant.

## CLEAR FUSION ASSESSMENT

- **Radiolucent TiPEEK** cage
- Titanium marker with **limited image artifact**
- Accurate reference for **diagnostic assessment**

## TIPEEK TECHNOLOGY

The modular Mecta-C Stand Alone system in conjunction with the TiPEEK plasma-sprayed titanium coated cages, provides value to improved stability and friction increasing the migration resistance<sup>[1]</sup>.

# ALONE SOLUTION

## VERSATILE SYSTEM

Two different options allow the surgeons to select the one that will best suit their patient's needs.

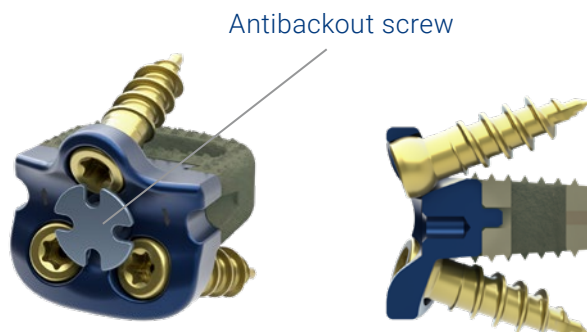


### RIGID FIXATION

- **Locking Screw & Threaded Plate** for a secure rigid fixation of the construct
- **One step** screw lock system
- **Intrinsic Antibackout** system

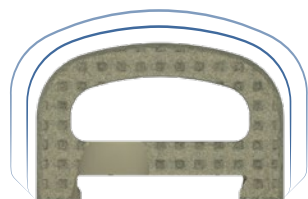
### "VARIABLE" FIXATION

- Lag Screw & Unthreaded Plate to allow **micro-motion** and proper load distribution according to the Wolff's law<sup>[2]</sup>
- **Physiological-like support** that may lead to a stable configuration
- Easy insertion of the central **Antibackout screw** to safely fix the Lag screw



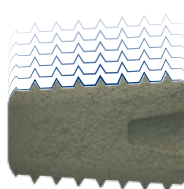
## COMPREHENSIVE SYSTEM TO COVER DIFFERENT PATIENTS' NEEDS

### Footprint [WxD]



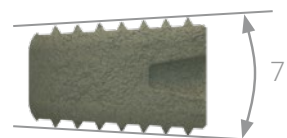
15x13 mm  
16x14 mm  
18x15 mm

### Height [mm]



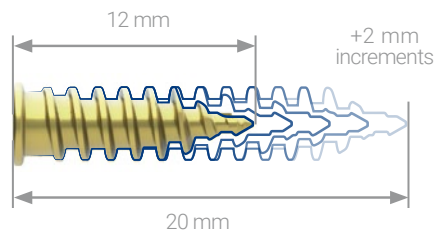
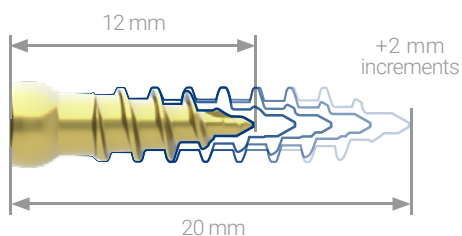
5mm - 12 mm  
(+1mm increments)

### Lordosis



### SCREWS

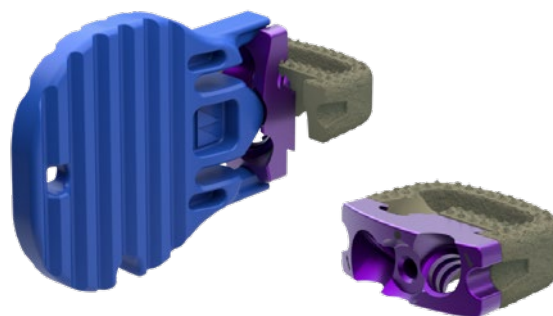
Self-Tapping & Self-Drilling screws are available both for Locking and Lag screws.



## MODULAR DESIGN OFFERS FREEDOM OF CHOICE

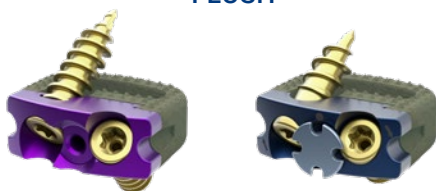
Universal cage to plate «snap-in» concept allows **1-click** construct **assembly**:

- Easy **intraoperative assembly** through the dedicated instrumentation
- Create an **indication-specific** interbody fusion device
- One cage **fits in four plate configurations**



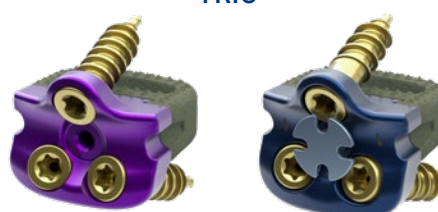
## MULTIPLE CONFIGURATIONS

**FLUSH**



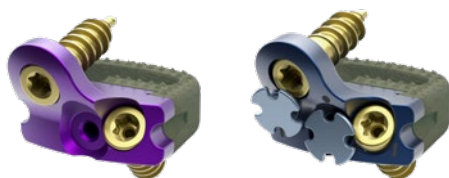
**Zero-Profile** construct, minimal impact, reduced irritation

**TRIO**



High **Stability** minimizing the number of screws

**HYBRID**



**Reduces the risk of impingement** with surrounding anatomical structures. Best fit design for C7-T1 or C2-C3.

**QUATTRO**



Offers improved **Stability and Torsional Resistance**. The convergent/divergent screw trajectory minimize the adjacent level interference in multilevel fixation.

## REFERENCES

[1] M. Rickert et al. Transforaminal lumbar interbody fusion in PEEK oblique cages with and without titanium coating: results from a randomized clinical trial. [2] H.M. Frost, Wolff's Law and bone's structural adaptations to mechanical usage: an overview for clinicians, *Angled Ortho* 1994

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