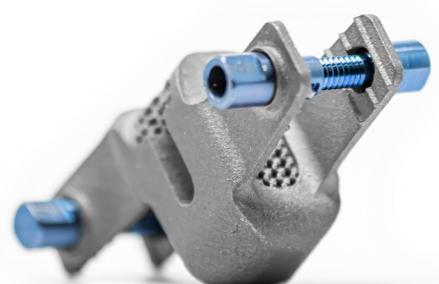
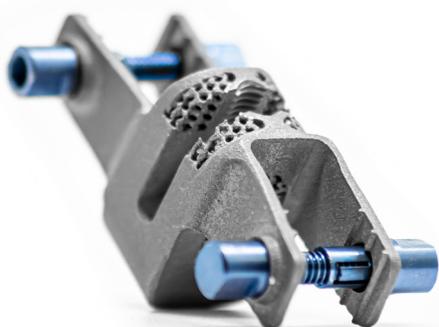


● CLOVER



eVO

## CONCEPT & DESIGN



Evo is an innovative interlaminar fusion device totally fabricated with 3D printing technology, composed of a trabecular titanium macrostructure that promotes rapid bone growth.

The trabecular titanium core body-drilled in both the cranio-caudal and lateral directions-allows the surgeon to insert more bone graft, which increases the reachable arthrodesis area.

The implant placement system is intuitive and straightforward, as is the new tool for tightening the pins on the plugs. This allows Evo to reduce the range of motion, bringing it closer to that achieved with the screw-bar system.

The ISD system consists of a trabecular interspinous device and two knurled locking pins. ISD is an interspinous lumbar stabilization device used to promote fusion of the spine (L1-S1) when used in combination with bone/bone substitutes.

ISD is made to anchor to the spinous processes (L1-S1) for the purpose of stabilizing and promoting fusion of the posterior column of the UFR (functional spinal unit), when used in combination of bone/bone substitutes, in the conditions of spondylar disc arthrosis of the lumbar spine, degenerative facet joint disease, and spinal canal stenosis. Any surgical decisions other than those recommended by the manufacturer are at the discretion and responsibility of the surgeon. For more information, see the instructions for use of the device in question.

## INSTRUMENTS

Clover has invested heavily in instrument design and care with the goal of creating ergonomic, functional, and compact instrumentation. Designed for the surgeon and his team.

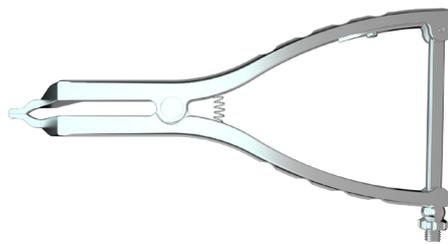
SCRAPER

ISD-B0SS000005



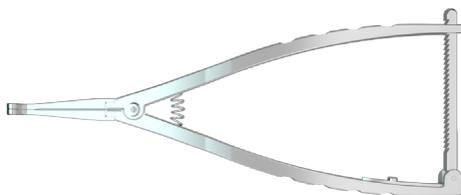
ANGLED SPREADER

ISD-A1SS000005



SPREADER

ISD-A0SS000005



TRIALS H8 - H16

ISD-D0SS0000085 / 165



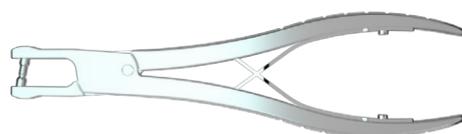
HOLDER

ISD-C0SS000005



SPINAL PROCESSES  
DRILLING TOOL

ISD-F0SS000005



INSTRUMENTS

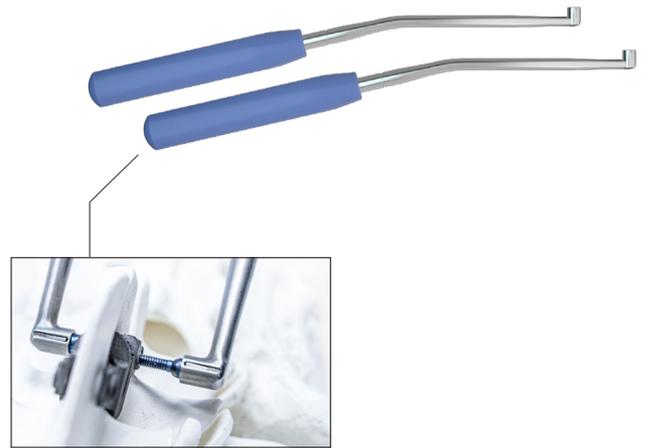
SPINOUS PROCESS TRIAL

ISD-G05S000005



LOCKING PIN HOLDER

ISD-C15S000005



PIN TRIAL - MALE

ISD-D15S000005



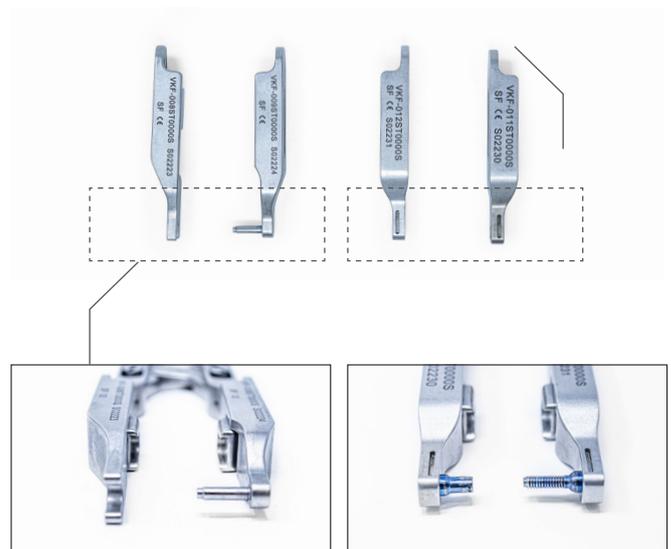
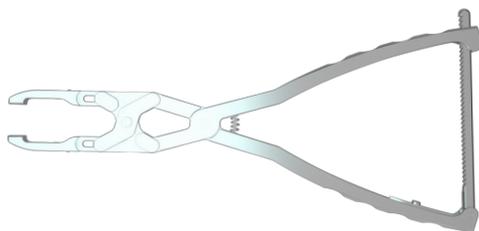
PIN TRIAL FEMALE

ISD-D15S000015



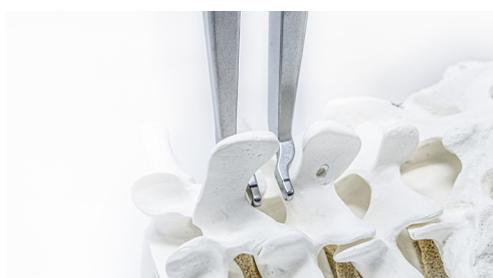
PIN COMPRESSOR

ISD-E25S000005



## SURGICAL TECHNIQUE

1 —



### Preparation of the plate

Remove the interspinous ligament and perform any necessary bone and tissue removal with the **scraper**.

Prepare the spinous process just enough to create a surface that promotes vascularization between the spinous process and the implant without weakening the cortical bone.

A **spreader** could be used to assist the surgeon in direct decompression of the interlaminar space.

2 A —



### Selection of device size

The right implant size could be selected using the **trial implants**, which can be inserted into the interlaminar space.

2 B —



Otherwise, the right implant size could be selected using the **trial clamp** by also having a feel of the distraction applied. In this case, to ensure optimal tactile feedback during distraction, keep the ratchet of the forceps raised (disengaged) while dilating the space. Once the desired tension is reached, lower the ratchet and note the measured dimension.

## SURGICAL TECHNIQUE

3 —

**System preparation and insertion**

Connect the system to the **implant holder** by turning the knob at the end of the implant holder.

Then use the **compression forceps** to compress the wings into the spinous process. The deeper you insert the implant into the interspinous space, the more effective interlaminar decompression is achieved.



5 —

**Preparation and insertion of the locking pins**

Create holes in the spines following the two cavities with the **spinal process drilling tool**, then check them with the **spinous process trial**.



## SURGICAL TECHNIQUE

5 A —



Insert the locking pins using the **locking pin holder**, then use the **compression forceps** for final locking of the system.



5 B —



Insert the locking pins using the **parallel locking pin holder** that allows parallel locking of the female and male parts. Then use the **compression forceps** for final closure of the system.



## SURGICAL TECHNIQUE

5 C —



When revising, use the **locking pin removal system** to extract the male part from the female part.



6 —



The system is correctly positioned.



misano 

monza 

evo 

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