

The MINERVA™ Variable Angle ACIF Cage is a stand-alone implant for use in cervical interbody fusion, which combines the functionality of a cervical interbody spacer and benefits of an anterior cervical plate.

Implant Features

» Zero-profile midline designed to minimize the risk of contact with vessels and adjacent soft tissues

» Prevents adjacent level ossification

» Easy of use

- Variable angle screws, designed with a wide range of allowable screw trajectories, potentially facilitate screw insertion.
- One-step blocking mechanism features audible, tactile and visual cues to confirm screw is blocked upon insertion.
- Small incision sizes are possible in comparison to plate and spacer usage.

» Interbody Spacer

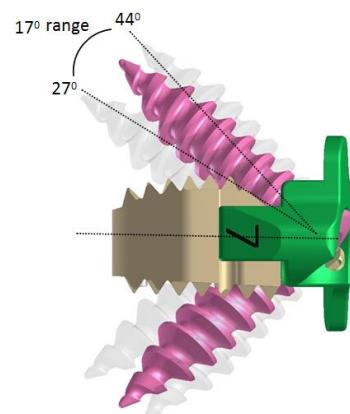
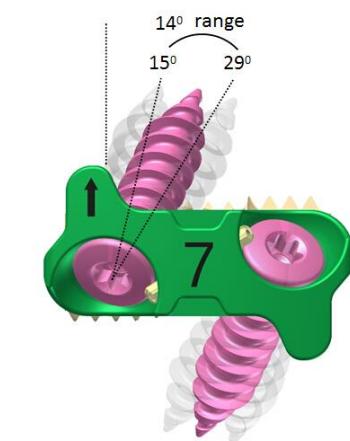
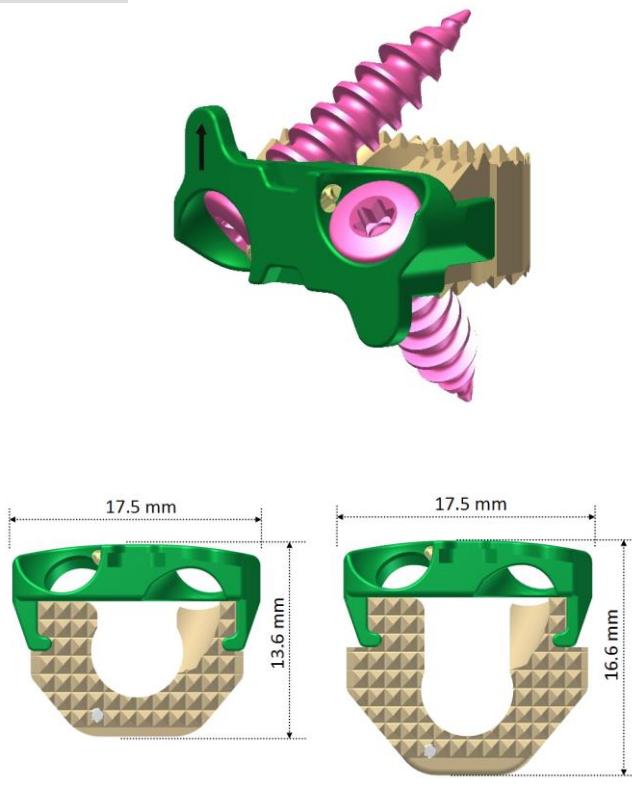
- Spacer component is made of a biocompatible radiolucent polymer (PEEK) which allows visualization and assessment of the bones to be fused.
- Teeth on the implant surface provide initial stability
- Radiopaque marker for posterior visualization during imaging

» Interbody plate with stops

- Titanium alloy interbody plate provides a stable fixation with screws
- Stresses in the interbody plate with stops are decoupled from the spacer through an innovative interface
- Contralateral safety stops designed to prevent over insertion and align with the anterior surface of the vertebral bodies

» Variable angle screws

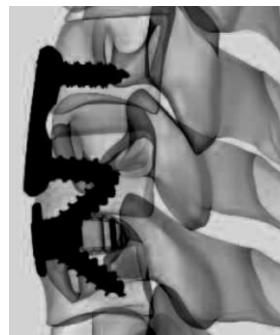
- Self-drilling and self-tapping screws
- Screws can be inserted 27° – 44° (17° range) in cranialcaudal direction and 15° – 29° (14° range) in medial-lateral direction
- Designed to help prevent graft expulsion
- Screws are allowed to toggle postoperatively within vertebral bodies, which may potentially prevent load shielding of the graft in the event of graft subsidence



Indications for Use

The MINERVA™ ACIF system is intended for use following anterior cervical discectomy for reduction and stabilization of the cervical spine (C2– C7).

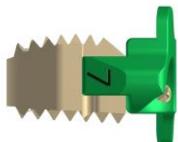
- Degenerative disc disease (DDD, defined as neck pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies)
- Spinal stenosis
- Failed previous fusions
- Pseudoarthrosis



Contraindications

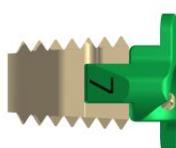
- Spinal fracture
- Spinal tumor
- Severe osteoporosis
- Spinal infection

Implant Information



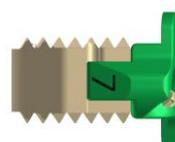
Standard MINERVA™ ACIF Cage Convex

HEIGHT	REF
5 mm	MOI 47201005
6 mm	MOI 47201006
7 mm	MOI 47201007
8 mm	MOI 47201008
9 mm	MOI 47201009
10 mm	MOI 47201010
11 mm	MOI 47201011
12 mm	MOI 47201012



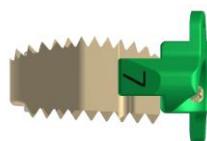
Standard MINERVA™ ACIF Cage Lordotic

HEIGHT	REF
5 mm	MOI 47202005
6 mm	MOI 47202006
7 mm	MOI 47202007
8 mm	MOI 47202008
9 mm	MOI 47202009
10 mm	MOI 47202010
11 mm	MOI 47202011
12 mm	MOI 47202012



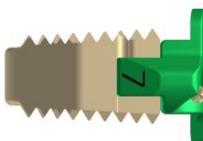
Standard MINERVA™ ACIF Cage Parallel

HEIGHT	REF
5 mm	MOI 47203005
6 mm	MOI 47203006
7 mm	MOI 47203007
8 mm	MOI 47203008
9 mm	MOI 47203009
10 mm	MOI 47203010
11 mm	MOI 47203011
12 mm	MOI 47203012



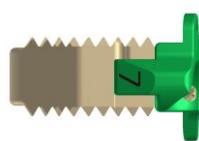
Large MINERVA™ ACIF Cage Convex

HEIGHT	REF
5 mm	MOI 47204005
6 mm	MOI 47204006
7 mm	MOI 47204007
8 mm	MOI 47204008
9 mm	MOI 47204009
10 mm	MOI 47204010
11 mm	MOI 47204011
12 mm	MOI 47204012



Large MINERVA™ ACIF Cage Lordotic

HEIGHT	REF
5 mm	MOI 47205005
6 mm	MOI 47205006
7 mm	MOI 47205007
8 mm	MOI 47205008
9 mm	MOI 47205009
10 mm	MOI 47205010
11 mm	MOI 47205011
12 mm	MOI 47205012



Large MINERVA™ ACIF Cage Parallel

HEIGHT	REF
5 mm	MOI 47206005
6 mm	MOI 47206006
7 mm	MOI 47206007
8 mm	MOI 47206008
9 mm	MOI 47206009
10 mm	MOI 47206010
11 mm	MOI 47206011
12 mm	MOI 47206012



**Fixation Screw Ø3.7mm
Self-drilling**

LENGTH	REF (TIT)
14 mm	MOI 37207014



**Fixation Screw Ø3.7mm
Self-tapping**

LENGTH	REF (TIT)
16 mm	MOI 37208016



**Fixation Screw Ø3.7mm
Self-tapping**

LENGTH	REF (TIT)
18 mm	MOI 37209018