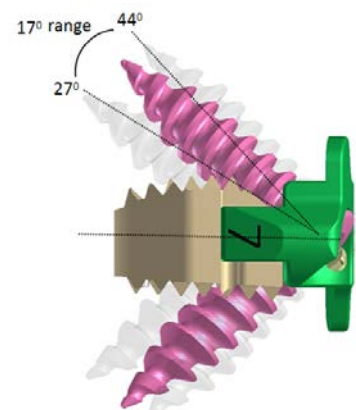
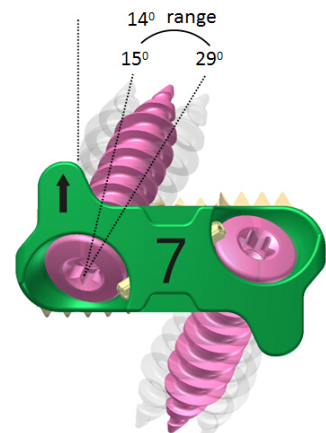
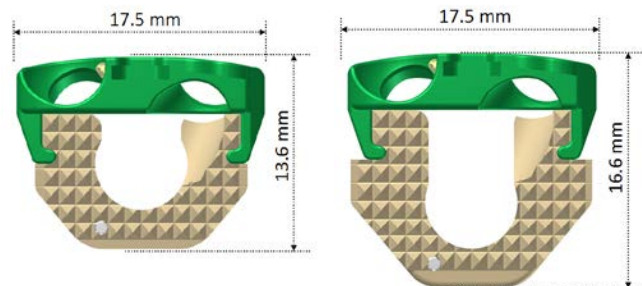
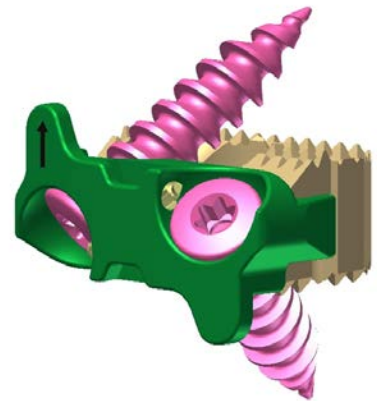


The MINERVA™ Variable Angle ACIF Cage is a stand-alone implant for use in cervical interbody fusion, which combines the functionality of a cervical interbody spacer and benefits of an anterior cervical plate.

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

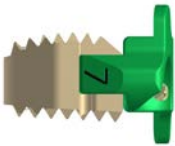
- Degenerative disc disease (DDD, defined as neck pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies)
- Spinal stenosis
- Failed previous fusions
- Pseudoarthrosis



Contraindications

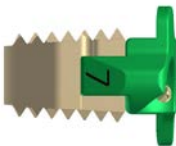
- Spinal fracture
- Spinal tumor
- Severe osteoporosis
- Spinal infection

Implant Information



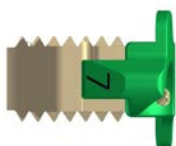
Standard MINERVA™ VA ACIF Cage Convex

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



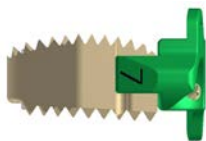
Standard MINERVA™ VA ACIF Cage Lordotic

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



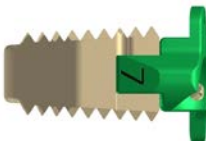
Standard MINERVA™ VA ACIF Cage Parallel

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



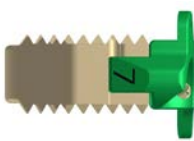
Large MINERVA™ VA ACIF Cage Convex

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™ VA 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™ VA 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-drilling

LENGTH	REF (TIT)
16 mm	MOI 37208016

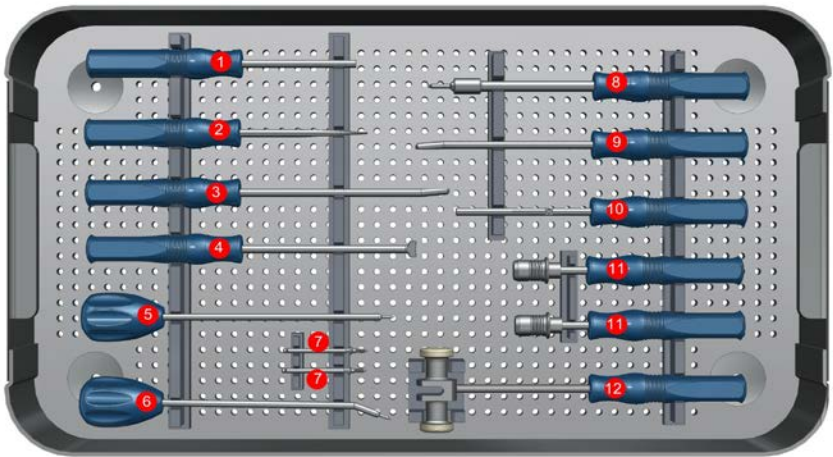


Fixation Screw Ø3.7mm Self-tapping

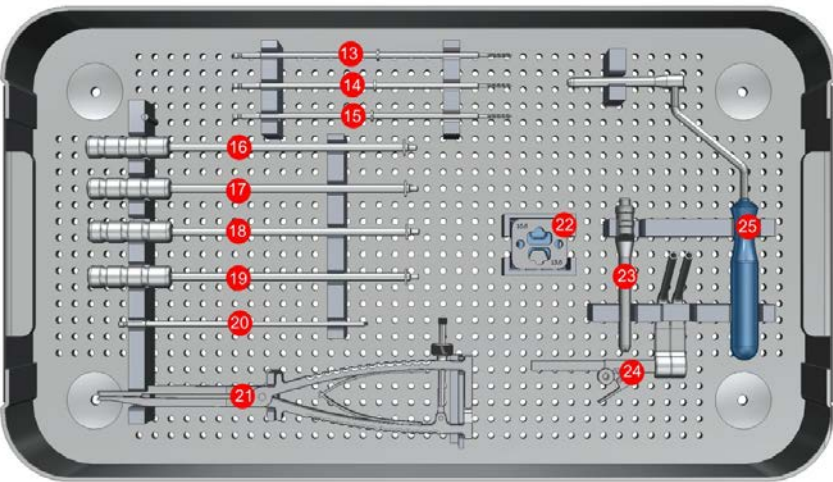
LENGTH	REF (TIT)
18 mm	MOI 37209018

INSTRUMENTS INFORMATION

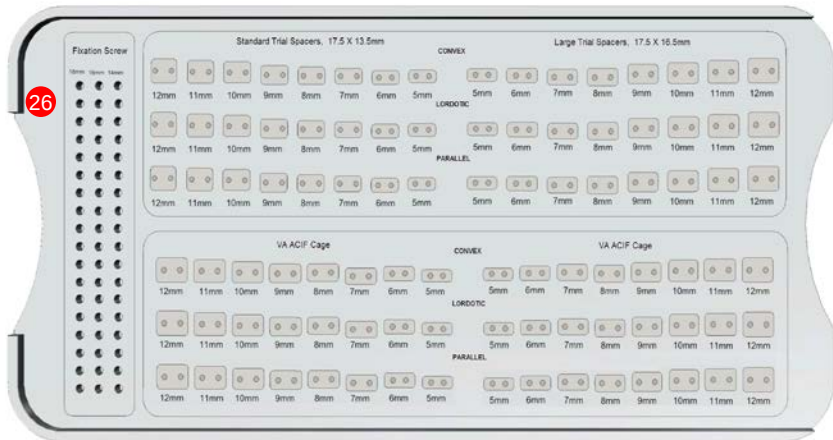
MINERVA™ Variable Angle ACIF Cage Instrument Set



REF	DESCRIPTION	UNITS
1	MOI 2201001 Cancellous Bone Impactor	1
2	MOI 2201002 Screw Removal Blade	1
3	MOI 2201003 Curette 5°	1
4	MOI 2201004 Impactor, flat	1
5	MOI 2201005 In-Line Round Awl	1
6	MOI 2201006 Awl, angled	1
7	MOI 2201007 Distraction Rod	2
8	MOI 2201008 Angled Screwdriver Stardrive, self-holding	1
9	MOI 2201009 Curette 15°	1
10	MOI 2201010 Holder for Distraction Rod	1
11	MOI 2201011 Quick Coupling Handle	2
12	MOI 2201012 Hammer	1



REF	DESCRIPTION	UNITS
13	MOI 2201013 Drill Bit Ø2.0mm, drilling depth 12mm	1
14	MOI 2201014 Drill Bit Ø2.0mm, drilling depth 14mm	1
15	MOI 2201015 Drill Bit Ø2.0mm, drilling depth 16mm	1
16	MOI 2201016 Shaft for Trial Spacers 5mm / 6mm	1
17	MOI 2201017 Shaft for Trial Spacers 7mm / 8mm	1
18	MOI 2201018 Shaft for Trial Spacers 9mm / 10mm	1
19	MOI 2201019 Shaft for Trial Spacers 11mm / 12mm	1
20	MOI 2201020 Screwdriver Shaft Stardrive, self-holding	1
21	MOI 2201021 Insertion Device for VA ACIF Fusion Cage	1
22	MOI 2201022 Packing Block	1
23	MOI 2201023 Holding Sleeve for Screws	1
24	MOI 2201024 Distractor	1
25	MOI 2201025 Drill Guide	1



REF	DESCRIPTION	UNITS
26	MOI 2201026 Rack for Screws and Trial Spacers	1

REF	DESCRIPTION	UNITS
MOI 2201027 - MOI 2201034	Standard Trial Spacers, Convex	8
MOI 2201035 - MOI 2201042	Standard Trial Spacers, Lordotic	8
MOI 2201043 - MOI 2201050	Standard Trial Spacers, Parallel	8
MOI 2201051 - MOI 2201058	Large Trial Spacers, Convex	8
MOI 2201059 - MOI 2201066	Large Trial Spacers, Lordotic	8
MOI 2201067 - MOI 2201074	Large Trial Spacers, Parallel	8

REF	DESCRIPTION	UNITS
MOI 47200000	MINERVA™ VA ACIF Cage Complete Instrument Set	1