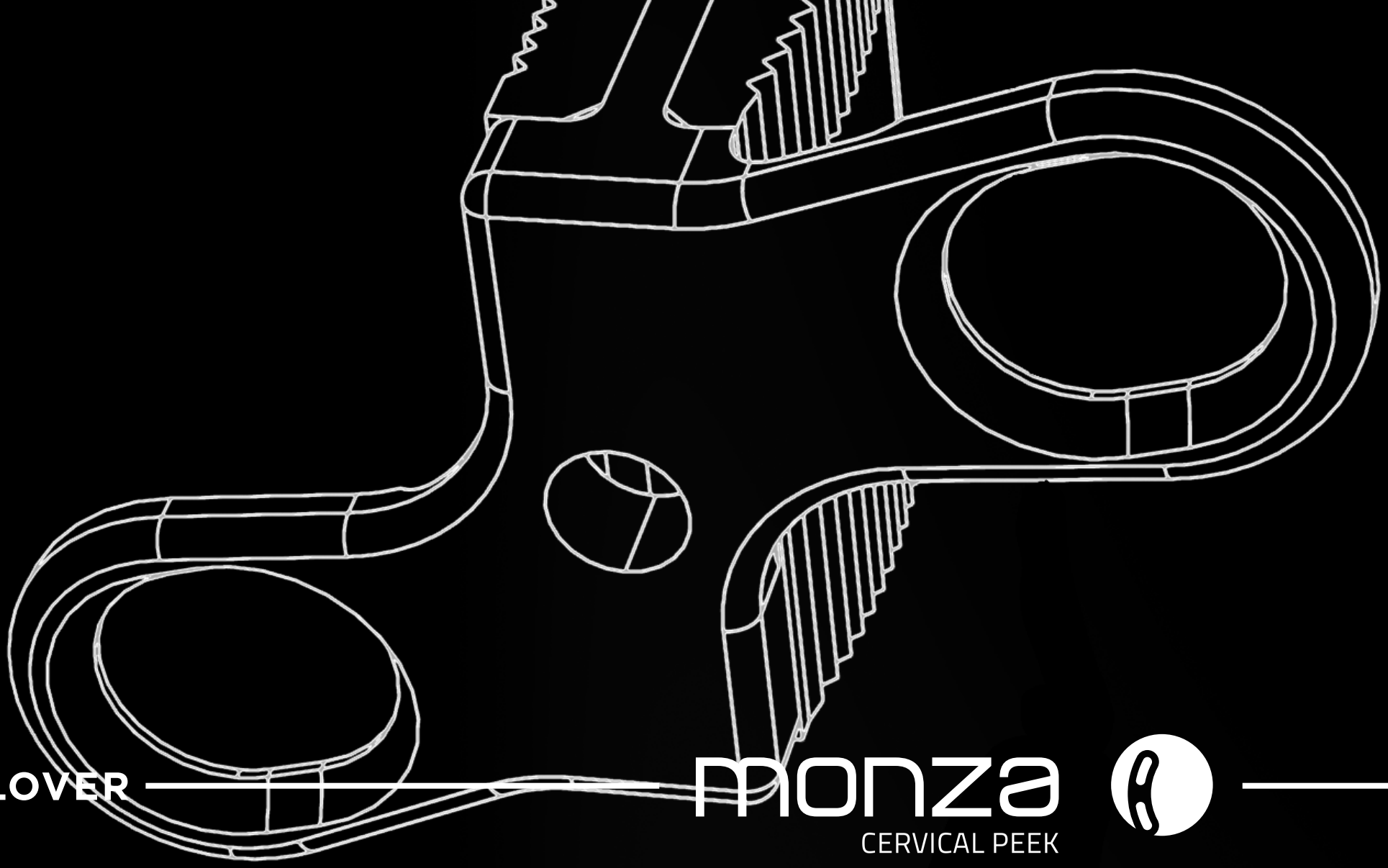


CLOVER

monza

CERVICAL PEEK

CONCEPT & DESIGN

Monza Cervical Peek is an integrated plate-cage system for anterior arthrodesis of the cervical spine that guarantees immediate and safe mechanical stability thanks to the titanium plate and certain osseointegration thanks to the plasma spray coating of the titanium cage.

The peek cervical cage with titanium coating plasma spray has been developed with a lordotic profile and different heights in order to cover all possible anatomies.

It also features a central cavity for the insertion of autologous or synthetic bone grafts to promote osseointegration.

The cage is perfectly integrated with the titanium plate, which is low-profile and deformable so that it can adapt to the patient's anatomy.

The screws for fixing the plate to the vertebral bodies are easy to insert as they are self-tapping and polyaxial.

Screws are also available in different lengths and, in the case of revision surgery, in larger diameters.

The instrumentation is essential but extraordinarily effective and integrated with the implant when it is inserted and positioned.

Appropriately used, the Monza Cervical PEEK Plate-Cage System from Clover Orthopedics is indicated to promote the development of a solid intervertebral fusion of the cervical spine through an anterior approach.

It can be used in cases of cervical instability due to degenerative intervertebral disc disease.

INSTRUMENTARY

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

HOLDER MCP-A0SS00000S

TRIAL WITH FINS H5.5 MM MCP-B0SS00055S

TRIAL WITHOUT FINS H4.5 MM MCP-B1SS00045S

TRIAL WITHOUT FINS H6.5 MM MCP-B1SS00065S

TRIAL WITH FINS H4.5 MM MCP-B0SS00045S

TRIAL WITH FINS H6.5 MM MCP-B0SS00065S

TRIAL WITHOUT FINS H5.5 MM MCP-B1SS00055S

AWL Ø2MM MCP-C0SS00000S

INSTRUMENTARY

SCREWDRIVER MCP-D0SS00000S

GUIDE MCP-E0SS00000S

TAP Ø3,3MM MCP-F0SS00000S

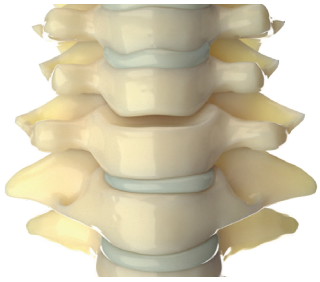
IMPACTOR FOR BONE GRAFT MCP-H0SS00000S

PLATE BENDER MCP-I0SS00000S

PLATE CAGE BASE MCP-L0SS00000S

SURGICAL TECHNIQUE

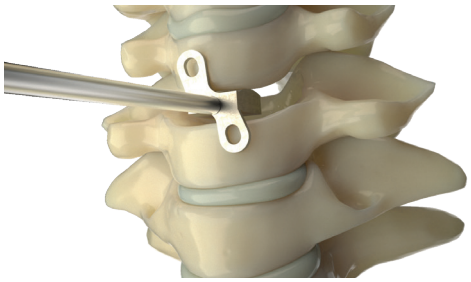
1 —



Disc space preparation

The procedure requires general anaesthesia and the patient's position supine as the approach is anterior.
After the incision and once the vertebral plane is exposed, place the autostatic retractor and the distractor with pins, to obtain adequate access to the disc space.
Using a microsurgical technique, perform the discectomy and osteophysectomy, then remove the disc and perform any bone and tissue removal with appropriate instruments.

2 —



Cage selection

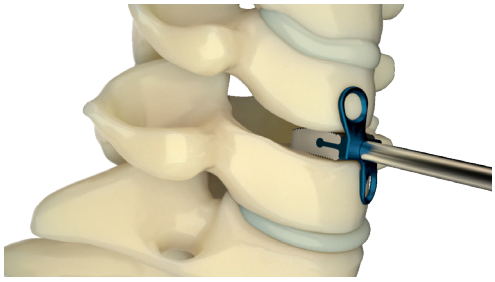
The ideal implant size can be chosen using the trial set. The trial (MNC-CXSS0XXXXS) is screwed onto the implant holder (MNC-D6SS00000S) and inserted into the intervertebral space.

3 —

Preparation and insertion of the cage standalone

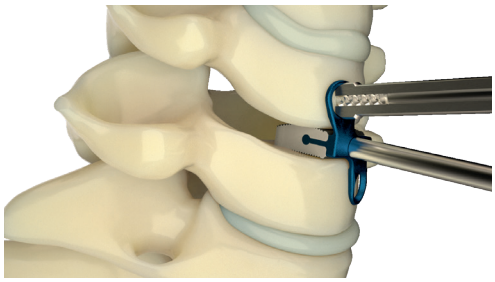
Once the correct size has been chosen, the central opening of the definitive implant can be filled with bone substitute or autologous bone, using the base (MNC-S0SS00000S) as a support.

The angle of the fins can also be adjusted by bending them to achieve good contact with the anterior wall of the adjacent vertebrae, using the base (MNC-S0SS00000S) and the plate bender (MNC-R0SS00000S).



Then screw the implant holder into the central hole in the cage and insert the implant into the intervertebral space until the plate fits tightly against the upper and lower vertebral body.

4 —

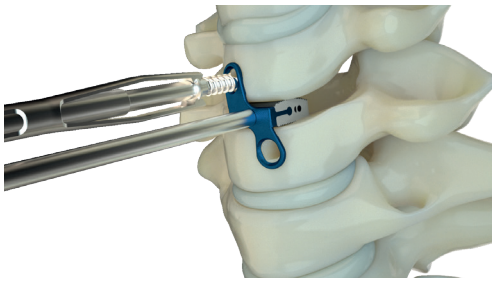


Screw preparation and insertion

To position the screw in the cortical bone, insert the awl (MNC-M0SS00002S) into the appropriate holes in the plate, using the guide (MNC-N0SS00002S). The insertion depth is limited by the shape of the instrument. Then insert the tap (MNC-O0SS00033S) and check the hole with the probe (MNC-P0SS00000S) if necessary. The laser markings on the tool, indicating the depth, can be helpful in selecting the correct screw length.

Connect the selected screw of the appropriate length to the screwdriver and tighten with the screwdriver (MNC-H3SS00000S) until the screw head is fully seated in the plate. Then insert the second screw and tighten. Overhaul screws can be used when it is necessary to use screws with a larger diameter.

5 —



Possible removal of the cage

If necessary, the implant can be removed by simply unscrewing the screws that secure the plate to the vertebrae. Before removing the screws, connect the implant holder to the plate-cage to avoid any movement of the device during removal. Insert the screwdriver into the screw head and turn the tool counterclockwise to unscrew the screw.
When both screws have been removed, the implant can be extracted, with the help of the hammerhead if necessary (MNC-E0SS00000S).

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CLOVER

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