# CERVICAL DISC PROSTHESIS

# CONTENT

# CONCEPT AND DESIGN

Powered in 2006 by a creative and pioneer team, BAGUERA®<sub>C</sub> was inspired by the black panther of the "Jungle book": black and elegant, agile but discret, mature while irresistible.

The goal at this time was to replace the disc function and to drastically simplify the existing technologies in motion preservation. After several years of usage and clinical follow up, BAGUERA®<sub>C</sub> is still innovative while clinically validated, and is now a reference in the cervical arthroplasty segment.

BAGUERA®<sub>C</sub> is a cutting-edge device that respects Spineart's philosophy, Quality, Innovation and Simplicity.
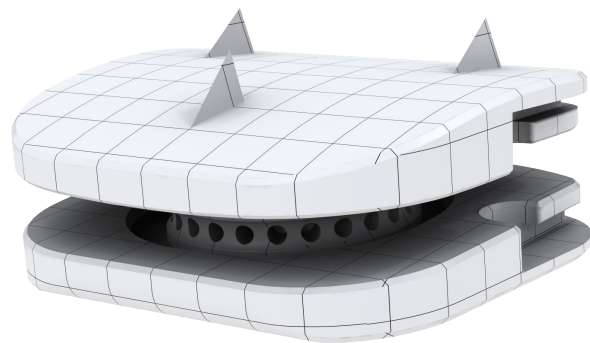
## AT A GLANCE

**GUIDED MOBILE NUCLEUS**

**ANATOMICAL DESIGN**

**LIMITED MRI ARTIFACT**
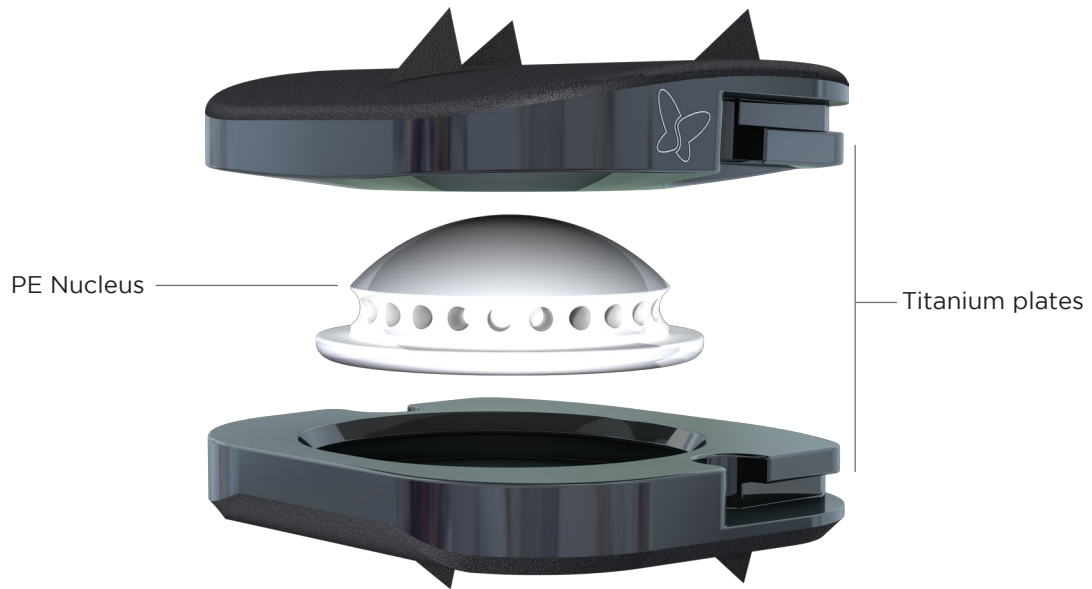
**RADIOLUCENT HOLDER**



## INDICATIONS

The disc prosthesis BAGUERA®<sub>C</sub> is intended as a replacement for a degenerated cervical disc.

The BAGUERA®<sub>C</sub> range is indicated for patients presenting with the following pathologies from C3 to C7 : Cervical hernia / Cervicarthrose / Degenerative disc disease.

# IMPLANTS

PE Nucleus

Titanium plates

| REFERENCES | |
|---|---|
| **Heights** | **Small : 13x16mm** |
| 5mm | CDP-TI 13 05-S |
| 6mm | CDP-TI 13 06-S |
| 7mm | CDP-TI 13 07-S |

| **Heights** | **Medium : 14x17mm** |
|---|---|
| 5mm | CDP-TI 14 05-S |
| 6mm | CDP-TI 14 06-S |
| 7mm | CDP-TI 14 07-S |

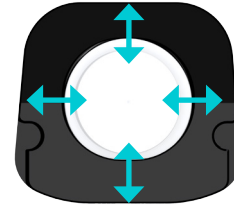| REFERENCES | |
|---|---|
| **Heights** | **Large : 16x18mm** |
| 5mm | CDP-TI 16 05-S |
| 6mm | CDP-TI 16 06-S |
| 7mm | CDP-TI 16 07-S |

# TECHNICAL FEATURES

## GUIDED MOBILE NUCLEUS

- The guided mobile PE nucleus is designed to prevent excessive constraints on the facet joints. It allows 6 degrees of freedom.



## ANATOMICAL DESIGN

- The sloping anatomical design of the plates optimizes the fit between the device and the disc space, and maximizes the endplate coverage.
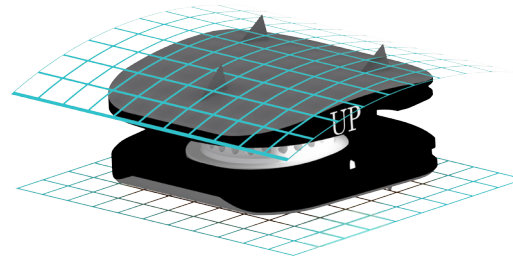


## LIMITED MRI ARTIFACT

- The titanium plates, coated with DIAMOLITH® reduce artifacts under MRI for a better postoperative control.



## RADIOLUCENT HOLDER

- The radiolucent holder allows for both verification of the anterior position of the device and confirmation of the fitting accuracy. Thanks to this holder, the device is delivered pre-assembled for better handling.

# TECHNICAL FEATURES

## SHOCK ABSORPTION

- The shape of the inferior plate and the PE nucleus are designed to enable absorption of shocks and vibrations.
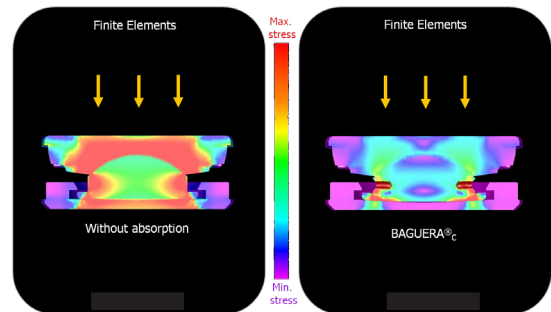


## PRIMARY STABILITY

- The 3 upper and 3 lower fins as well as the porous titanium coating are designed for primary and secondary stability.
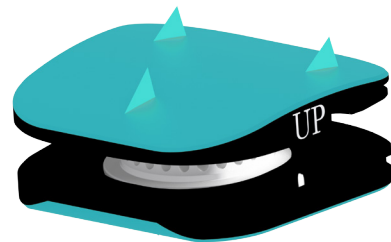


## COMPACT SET

- The set includes 4 instruments, trials, and a lockable cervical system.



## COMPLETE RANGE

- The prosthesis is available in 3 footprints, small (13x16), Medium (14x17) and large (16x18) and 3 heights from 5 to 7 mm.



5mm     6mm     7mm

S     M     L

# INSTRUMENT SET



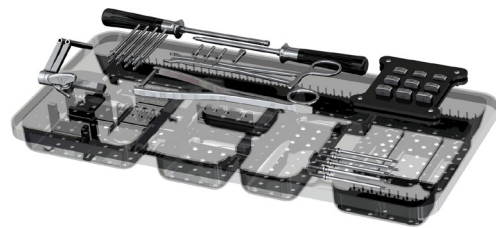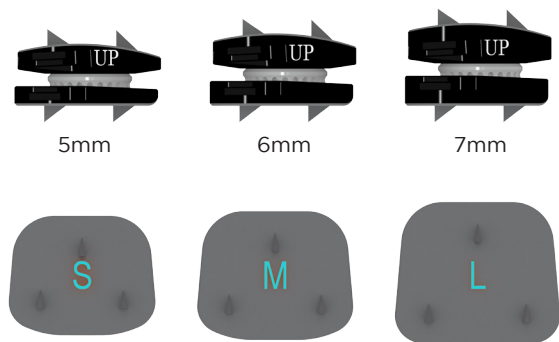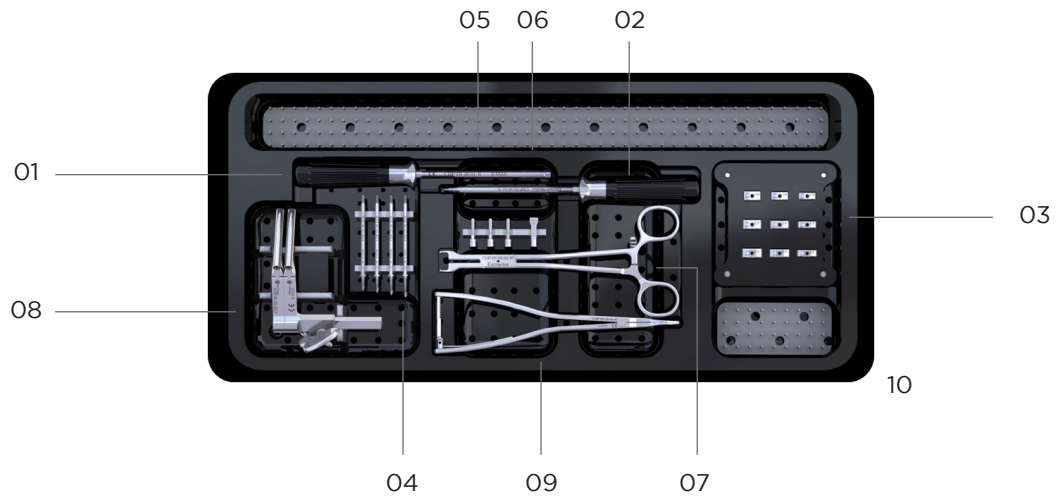| #  | DESCRIPTION          | REFERENCE                                                                                                                                                                      |
|----|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | SCREWDRIVER FOR PINS | CDP-IN 30 01-N                                                                                                                                                                |
| 02 | IMPLANT HOLDER       | CDP-IN 00 01-N                                                                                                                                                                |
| 03 | TRIAL IMPLANTS       | CDP-IN 13 05-N<br>CDP-IN 13 06-N<br>CDP-IN 13 07-N<br>CDP-IN 14 05-N<br>CDP-IN 14 06-N<br>CDP-IN 14 07-N<br>CDP-IN 16 05-N<br>CDP-IN 16 06-N<br>CDP-IN 16 07-N |
| 04 | PINS                 | CDP-IN 30 12-N<br>CDP-IN 30 14-N<br>CDP-IN 30 16-N<br>CDP-IN 30 18-N                                                                                                         |

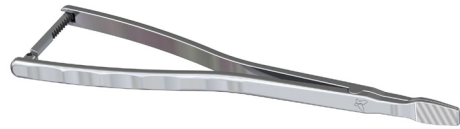| #  | DESCRIPTION                        | REFERENCE                                                                     |
|----|------------------------------------|-----------------------------------------------------------------------------|
| 05 | NUT FOR PINS                       | CDP-IN 30 02-N                                                               |
| 06 | PUSHER                             | CDP-IN 00 03-N                                                               |
| 07 | EXTRACTOR                          | CDP-IN 00 02-N                                                               |
| 08 | ARTICULATED CERVICAL DIS-TRACTOR   | CDP-IN 50 00-N                                                               |
| 09 | INTERSOMATIC DISTRACTOR            | CDP-IN 00 04-N                                                               |
| 10 | INSTRUMENTS CONTAINER              | CDP-BX 10 01-N                                                               |
|    | **OPTION**                         |                                                                             |
|    | REVISION PINS                      | CDP-IN 40-12-N<br>CDP-IN 40-14-N<br>CDP-IN 40-16-N<br>CDP-IN 40-18-N       |

# INSTRUMENTS

| PINS | CDP-IN 30 12-N to CDP-IN 30 18-N |
|------|----------------------------------|

| INTERSOMATIC DISTRACTOR | CDP-IN 00 04-N |
|-------------------------|----------------|

| ARTICULATED CERVICAL DISTRACTOR | CDP-IN 50 00-N |
|---------------------------------|----------------|

| TRIAL IMPLANTS | CDP-IN 13 05-N to CDP-IN 16 07-N |
|----------------|----------------------------------|

| IMPLANT HOLDER | CDP-IN 00 01-N |
|----------------|----------------|

| NUT FOR PINS | CDP-IN 30 02-N |
|--------------|----------------|

| EXTRACTOR | CDP-IN 00 02-N |
|-----------|----------------|

| SCREWDRIVER FOR PINS | CDP-IN 30 01-N |
|----------------------|----------------|

| PUSHER | CDP-IN 00 03-N |
|--------|----------------|

# SURGICAL TECHNIQUE

## STEP 1



**PATIENT POSITIONING**

Place the patient in a supine position on the operating table.

Be sure that the patient neck is in a normal, lordotic position. You can use a pillow.

## STEP 2



**INTERSOMATIC DISTRACTION**

Place the cervical distractor pins parallel to the endplates on the midline.

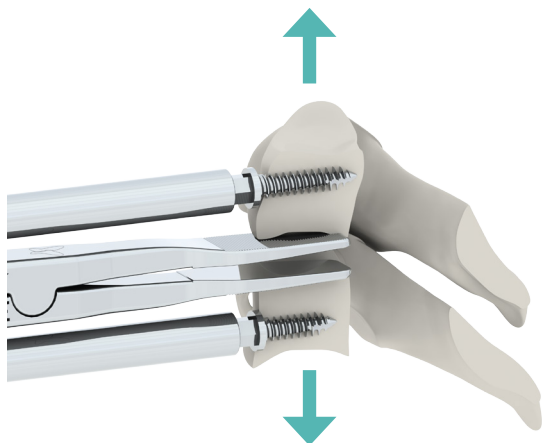Attach the nuts to the screwdriver and lock the pins with the nuts.

| INSTRUMENT | REFERENCE |
|---|---|
| PINS | CDP-IN 30 12-N to CDP-IN 3018-N |
| CERVICAL DISTRACTOR | CDP-IN 50 00-N |
| NUT FOR PINS | CDP-IN 30 02-N |
| SCREWDRIVER FOR PINS | CDP-IN 30 01-N |

# SURGICAL TECHNIQUE
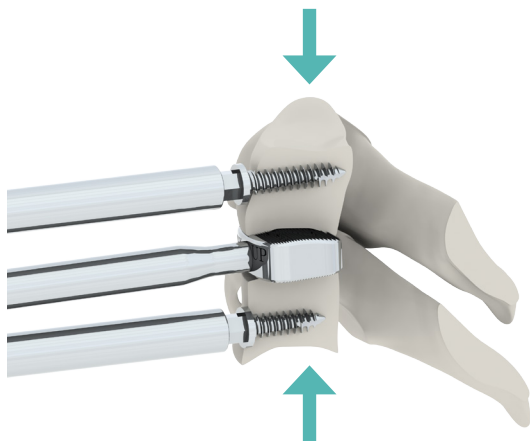
## STEP 3



### INTERSOMATIC DISTRACTION

Perform a complete discectomy.

Insert the intersomatic distractor until the posterior vertebral wall has been reached to distract in parallel. Perform an x-ray control.
Support by blocking the distraction with the cervical distractor.

| INSTRUMENT | REFERENCE |
|---|---|
| INTERSOMATIC DISTRACTOR | CDP-IN 00 04-N |

## STEP 4



### IMPLANT TRIALLING

Screw the trial implant on the implant holder and insert it into the disc space to determine the appropriate size of the device.
Carry-out an AP and lateral control.
Relax the distraction to verify the stability of the trial implant.
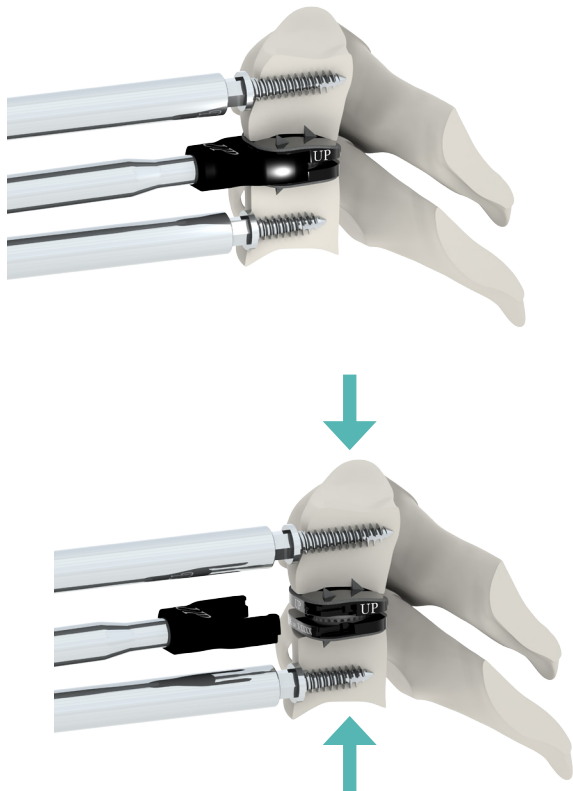Distract again smoothly with the cervical distractor and take-out the trial implant.

| INSTRUMENT | REFERENCE |
|---|---|
| TRIAL IMPLANTS | CDP-IN 13 05-N to CDP-IN 16 07-N |
| IMPLANT HOLDER | CDP-IN 00 01-N |

# SURGICAL TECHNIQUE

## STEP **5**





PROSTHESIS INSERTION

Screw the implant holder on the pre-assembled prosthesis and insert the implant.

Carry-out an AP control to validate the correct positioning of the prosthesis.

The radiolucent «fork» permits a perfect visualization of the implant.

Relax the distraction.

Take-out the radiolucent "fork" by doing a slight lateral gesture with the implant holder.

OPTIONAL
- If necessary, a pusher can be attached to the implant holder to adjust the impaction of the prosthesis.
- The extractor is used to pull out the device.

| INSTRUMENT | REFERENCE |
|---|---|
| PUSHER | CDP-IN 00 03-N |
| EXTRACTOR | CDP-IN 00 02-N |

## FINAL CONSTRUCT

# NOTE

# NOTE

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