

Nr. 2

# obelisc®

## vertebral body replacement



**100**Years

Over A Century Of Innovation



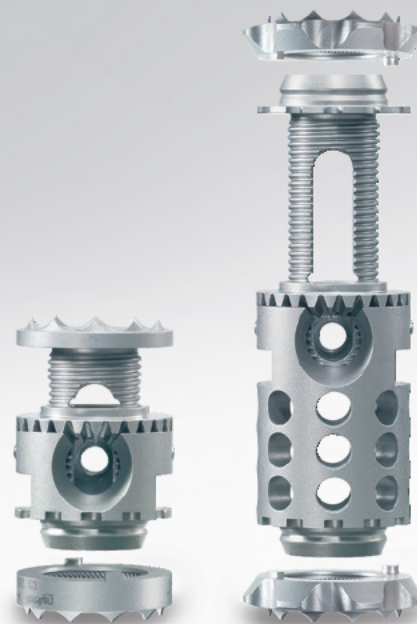
**ulrich**  
medical USA

## System

- Expandable vertebral body replacement for bridging spinal defects
- Thoracic, lumbar
- Expandable in situ up to 132mm in height
- External diameter of center piece 20mm
- End caps designed with small teeth (1.5mm height) to minimize migration and protect against dislocation
- Titanium alloy material



Multiple angled end cap options (0-20°)



Consisting of a center piece and one or two end caps (17-23mm center piece has fixed end caps)



Differently sized and color coded end caps (20-32mm diameters)

## Indications

Vertebral body replacement is intended for use during open surgical procedures in the thoracolumbar spine (T1-L5) to replace a collapsed, damaged, or unstable vertebral body due to tumor or trauma (e.g., fracture).

The obelisc vertebral body replacement is intended to be used with supplemental internal spinal fixation systems that have been labeled for use in the thoracic and lumbar spine (i.e., posterior pedicle screw and rod systems, anterior plate systems, and anterior screw and rod systems). The use of bone grafting material with the obelisc vertebral body replacement is optional.



## Advantages

### Large range of height adjustment

- Low profile distractor
- Continuous expansion in situ
- Flexible height adjustment

### Large selection of end caps

- Minimizes subsidence (20-32mm diameters)
- Variety of sizes for a wide range of patient anatomies

### Universal

- Multiple surgical approach options (posterior, anterior, lateral)
- Variable implant placement
- Versatile implant range

### Time-saving

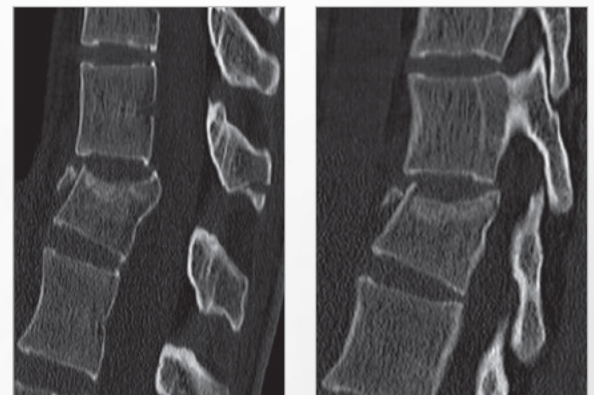
- Simple and fast
- Easy to adjust, remove and change implant during surgery



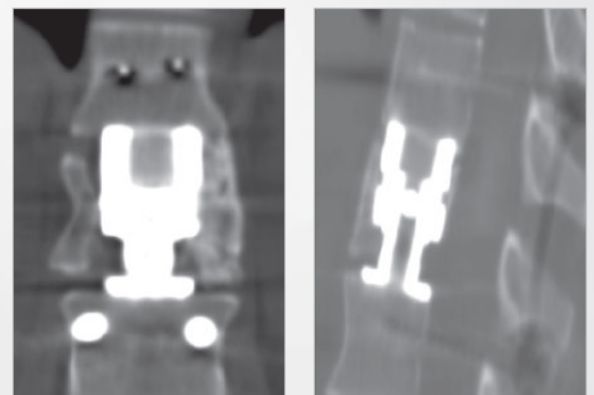
Beveled gear driven design



Large size range, 17mm - 132mm heights



Female, 36 yrs, fracture TH12



14 months post op, instrumentation obelisc

## Components

| Implants                                                                                                                                                                            | Height                  | Angle | Product Number |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------|----------------|
| obelisc long locking screw                                                                                                                                                          |                         |       | CS 2901        |
| obelisc short locking screw                                                                                                                                                         |                         |       | CS 2901-01     |
| obelisc center piece, Ø 20mm                                                                                                                                                        | 17-23mm                 |       | CS 2920-17     |
| Aštuoni reguliuojami centrinės dalies ilgių diapazonai kai mažiausias reguliuojamas ilgio diapazonas 17 - 23 mm, o didžiausias reguliuojamas ilgio diapazonas 76 - 132 mm (± 3 mm). | 20-28mm                 |       | CS 2920-20     |
|                                                                                                                                                                                     | 23-31mm                 |       | CS 2920-23     |
|                                                                                                                                                                                     | 27-38mm                 |       | CS 2920-27     |
|                                                                                                                                                                                     | 32-47mm                 |       | CS 2920-32     |
|                                                                                                                                                                                     | 40-62mm                 |       | CS 2920-40     |
|                                                                                                                                                                                     | 53-87mm                 |       | CS 2920-53     |
| Penki skersmenys:                                                                                                                                                                   | 76-132mm                |       | CS 2920-76     |
| obelisc end cap, Ø 20mm - grey                                                                                                                                                      |                         | 0°    | CS 2925-00     |
|                                                                                                                                                                                     |                         | 5°    | CS 2925-05     |
|                                                                                                                                                                                     |                         | 10°   | CS 2925-10     |
|                                                                                                                                                                                     |                         | 15°   | CS 2925-15     |
| obelisc end cap, Ø 24mm - light blue                                                                                                                                                |                         | 0°    | CS 2926-00     |
|                                                                                                                                                                                     |                         | 5°    | CS 2926-05     |
|                                                                                                                                                                                     |                         | 10°   | CS 2926-10     |
|                                                                                                                                                                                     |                         | 15°   | CS 2926-15     |
| obelisc end cap, Ø 26mm - yellow                                                                                                                                                    |                         | 0°    | CS 2927-00     |
|                                                                                                                                                                                     |                         | 5°    | CS 2927-05     |
|                                                                                                                                                                                     |                         | 10°   | CS 2927-10     |
|                                                                                                                                                                                     |                         | 15°   | CS 2927-15     |
| obelisc end cap, Ø 29mm - green                                                                                                                                                     |                         | 0°    | CS 2928-00     |
|                                                                                                                                                                                     |                         | 5°    | CS 2928-05     |
|                                                                                                                                                                                     |                         | 10°   | CS 2928-10     |
|                                                                                                                                                                                     |                         | 15°   | CS 2928-15     |
| obelisc end cap, Ø 32mm - blue                                                                                                                                                      |                         | 0°    | CS 2929-00     |
|                                                                                                                                                                                     |                         | 5°    | CS 2929-05     |
|                                                                                                                                                                                     |                         | 10°   | CS 2929-10     |
|                                                                                                                                                                                     |                         | 15°   | CS 2929-15     |
| obelisc end cap, oval 32 x 26mm - bronze                                                                                                                                            | Penki skirtingi kampai: | 0°    | CS 2930-00     |
|                                                                                                                                                                                     |                         | 5°    | CS 2930-05     |
|                                                                                                                                                                                     |                         | 10°   | CS 2930-10     |
|                                                                                                                                                                                     |                         | 15°   | CS 2930-15     |
|                                                                                                                                                                                     |                         | 20°   | CS 2930-20     |

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# 100 years

## Over A Century Of Innovation



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Product Service

# EC Certificate

Full Quality Assurance System  
Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)  
(Devices in Class IIa, IIb or III)

**No. G1 011099 0060 Rev. 01**

## Manufacturer:

**ulrich GmbH & Co. KG**

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89081 Ulm  
GERMANY

## Facility(ies):

ulrich GmbH & Co. KG  
Buchbrunnenweg 12, 89081 Ulm, GERMANY

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Mergelgrube 1, 89081 Ulm, GERMANY

**Product Category(ies):** surgical instruments, implants for osteosynthesis, interbody fusion devices, vertebral body replacements, spinal plate systems, spinal rod-screw-systems, contrast media injectors, disposables for contrast media injectors, surgical tourniquets, disposables for surgical tourniquets

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

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