

# ADDplus<sup>®</sup>

vertebral body replacement

100 Years

Over A Century Of Innovation



**Ulrich**  
medical USA

## System

The ADD*plus* is a vertebral body replacement device used for the surgical reconstruction of defects of the anterior thoracolumbar spine (T1-L5) that is designed with integrated low profile plates for increased stability.



Diameter	Expansion Range	Angles
12mm	13-18mm	0°
12mm	17-26mm	6°
12mm	25-41mm	12°
12mm	40-65mm	18°

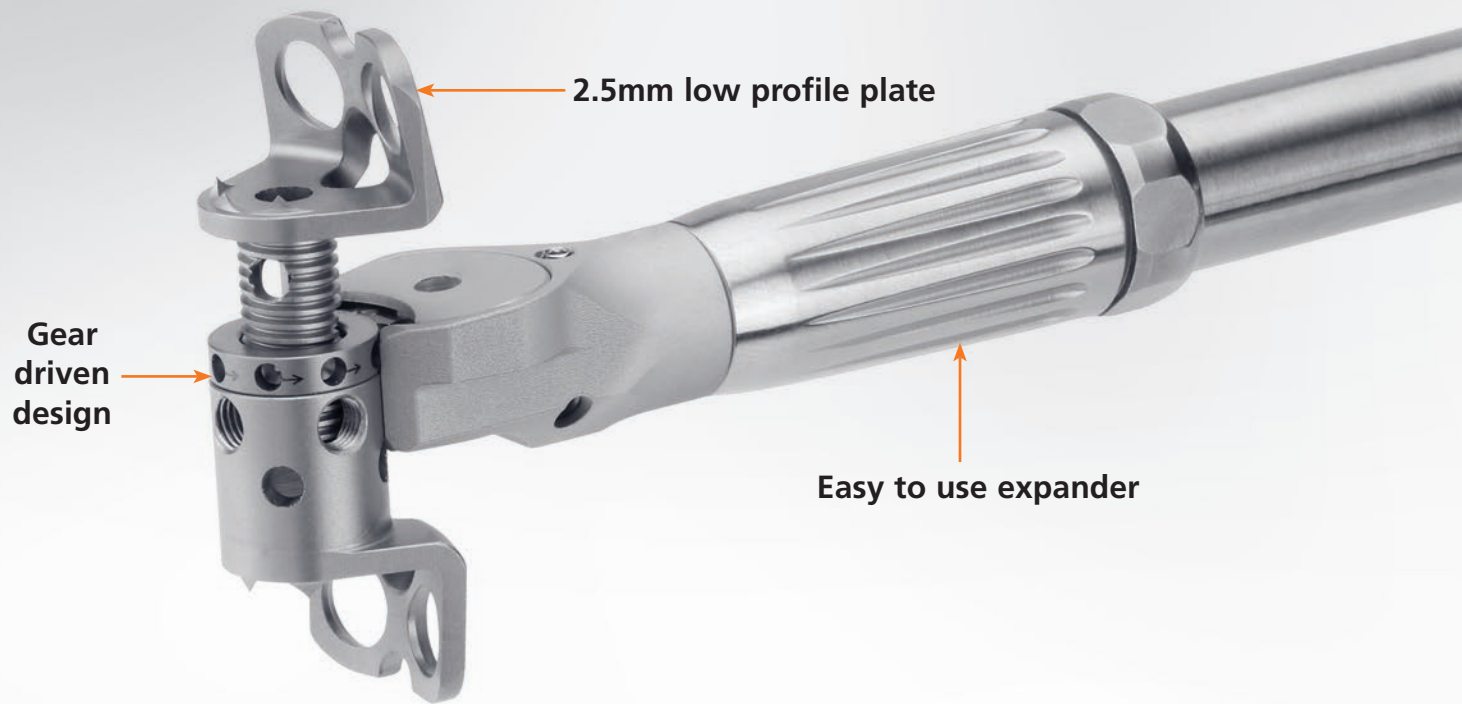
## Indications

The ADD*plus* is a vertebral body replacement device intended for use in the thoracolumbar spine (T1-L5) to replace a collapsed, damaged or unstable vertebral body due to tumor or trauma (i.e. fracture).

The ADD*plus* is intended to be used with supplemental internal fixation systems that are cleared by the FDA for use in the thoracic and lumbar spine. Such systems include posterior pedicle screw and rod systems, anterior plate systems, and anterior screw and rod systems.

The use of bone grafting material with the ADD*plus* is optional.



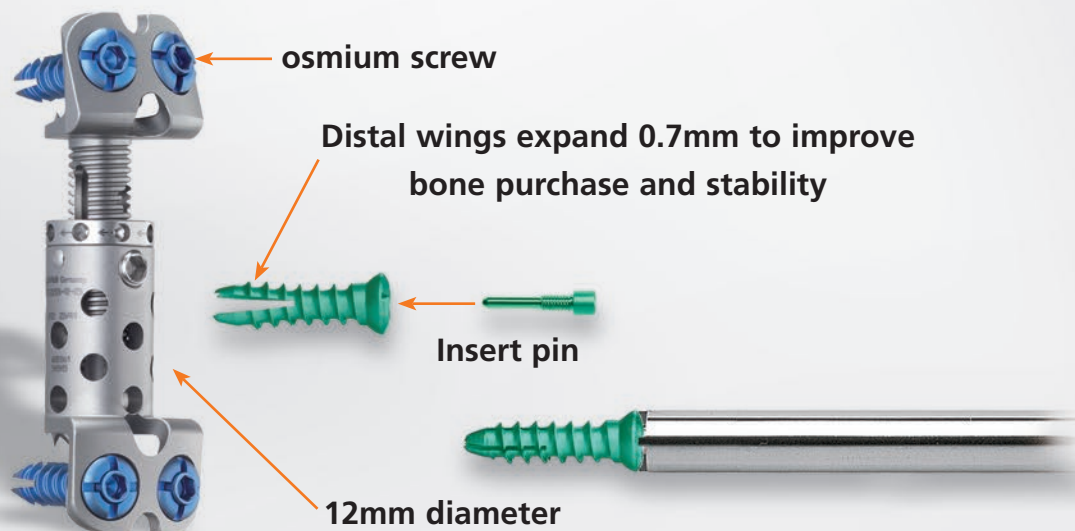


## Advantages

The ADDplus can be expanded in situ in a continuous, frictionless manner, thus allowing for easy placement and bridging of the defect. The implants provide simultaneous support and stabilization of the thoracolumbar spine.

The plate allows use of 4.0mm and 5.0mm diameter expandable screws. The expandable osmium™ screw provides optimal anchoring and mechanical stability.

- Expandable VBR with incorporated plates
- Continuous, frictionless expansion using gear driven technology
- Improved stability with integrated plates
- Titanium alloy material



## Components

Implants	Height	Product number
ADDplus Ø 12mm	0° 13–18mm	CS 2252-12-13
ADDplus Ø 12mm	6° 17–26mm	CS 2253-12-17
ADDplus Ø 12mm	12° 25–41mm	CS 2253-12-25
ADDplus Ø 12mm	18° 40–65mm	CS 2253-12-40
osmium screw incl. bolt, yellow, Ø 5mm	14mm	CS 1300-14T
osmium screw incl. bolt, green, Ø 5mm	16mm	CS 1300-16T
osmium screw incl. bolt, blue, Ø 5mm	18mm	CS 1300-18T
osmium screw incl. bolt, grey, Ø 4mm	12mm	CS 1303-12
osmium screw incl. bolt, yellow, Ø 4mm	14mm	CS 1303-14
osmium screw incl. bolt, green, Ø 4mm	16mm	CS 1303-16
osmium screw incl. bolt, blue, Ø 4mm	18mm	CS 1303-18
Set screw		CS 2259 or CS 2259-01

Instruments	Product number
<b>Expansion instrument</b>	CS 2256
<b>Straight Expander/Inserter</b> Blue Handle	CS 2256-01
Assist Handle	CS 2256-02
12mm Cassette Head	CS 2256-12
14mm Cassette Head	CS 2256-14
16mm Cassette Head	CS 2256-16
Outer Shaft	CS 2256-20
Inner Shaft	CS 2256-21
Implant Releasing Rod	CS 2256-22
<b>Screwdriver for osmium screw</b>	CS 1332-01
<b>Attachment for screwdriver</b> Ø 4mm	CS 1332-40
<b>Attachment for screwdriver</b> Ø 5mm	CS 1332-50
<b>osmium screw tightener</b>	CS 1322
<b>Drill bit</b> , Ø 2.5mm, for CS 1324	CS 1323
<b>Depth stop</b>	CS 1324-1
<b>Depth adjustor for CS 1324-1</b>	CS 1324-2
<b>Locking nut for CS 1324-1</b>	CS 1324-3
<b>Tap for osmium screws</b> , Ø 5mm, for CS 1324	CS 1325
<b>Tap for osmium screws</b> , Ø 4mm, for CS 1324	CS 1326
<b>Screwdriver</b> , hex 2.5mm	CS 1328
<b>AO Screwdriver</b> , hex 2.5mm	CS 1334-01
<b>AO Screwdriver</b> , hex 2.0mm	CS 1336
<b>AO Handle</b>	CS 1863-01
<b>Expansion instrument</b>	CS 2252
<b>Inserter for small heights</b>	CS 2255-1
<b>Inserter for large heights</b> (larger than 16mm)	CS 2255-2
<b>Impactor</b> , height 8mm, straight	CS 2274-2
<b>Measuring caliper</b>	CS 5788



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