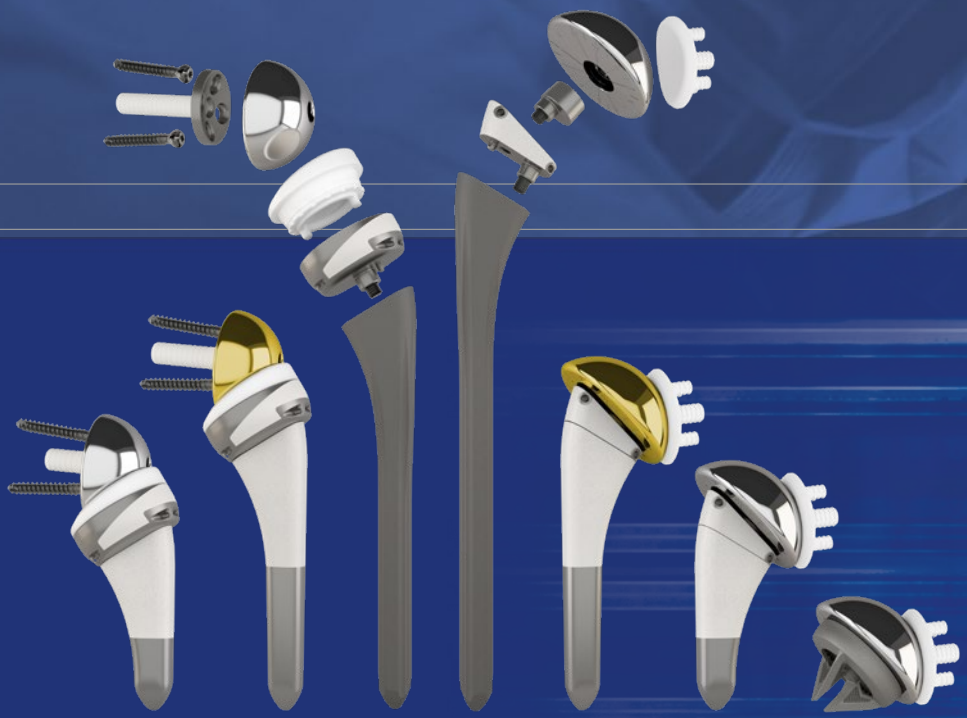
MEDACTA SHOULDER SYSTEM

COMPLETE, CONVERTIBLE, INNOVATIVE



Brochure

Joint | Spine | Sports Med

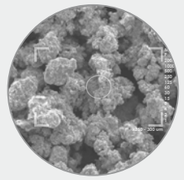
Medacta International

MEDACTA SHOULDER SYSTEM

COMPLETE, CONVERTIBLE, INNOVATIVE

Medacta Shoulder System is a modular solution that features a broad range of options, wide-ranging sizes, adjustable offsets and an innovative design, both in the anatomic and reverse configuration.

MECTAGRIP TECHNOLOGY



Proximal fixation in standard and short stems is achieved through Medacta's proprietary MectaGrip technology, in conjunction with hydroxyapatite. This results in a robust metaphyseal fixation.

MectaGrip®

HUMERAL DIAPHYSIS

The calcar design and the size range have been optimized via the MyBody platform, the Medacta extensive database of CTs and MRIs, to provide excellent initial stability.

WIDE RANGE OF OPTIONS

4 length options to match each patient's anatomy and pathology: **short**, **standard**, **long** and **extra-long**.

EXTENSIVE SIZE RANGE

11 diameter sizes are available for each stem length, from 6 to 16 in 1mm increments for a true press-fit. As stems increase in diameter, they also increase in length, thus resulting in anatomical options for even the most challenging anatomies.

ENHANCED ANATOMIC DESIGN

The stem geometry is meant to provide rotational stability with a **self-centering** and **self-orienting shape**.

STEMLESS METAPHYSIS

WIDE SIZE PORTFOLIO

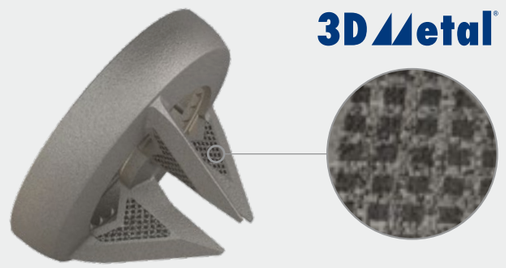
6 sizes to adapt to different humerus anatomies and to facilitate anatomical reconstruction.

ENHANCED DESIGN

The design of the fins has been optimized to reduce the risk of interference with the bicipital groove and to maximize the implant primary fixation.

MAXIMIZED INITIAL STABILITY

A **3D metal structure** called **3D Metal** is present on the central area of the fins to promote bone adhesion and growth. The porous structures have been finely engineered to promote an efficient structural and functional connection with the bone.



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The anatomic configuration of Medacta Shoulder System provides a wide implant selection to help reproducing the native geometry of the humerus and the glenoid. The robust implant offering and the double eccentricity technology greatly assist in recreating each patient's native anatomy.

ANATOMIC GLENOID

EXTENSIVE SIZE RANGE
10 sizes are available to provide a wide range mismatch with the humeral head.

PROVEN MATERIAL
The anatomic glenoid is made of highly cross-linked polyethylene (**UHMWPE**), a highly superior material for reducing wear generation.

ENHANCED DESIGN
Barbed central post and peripheral pegs to provide immediate stability.

ANATOMIC METAPHYSIS

TRUE ANATOMIC RECONSTRUCTION
3 angle options (128°, 135°, 142°) to help matching and reproducing the preoperative humeral inclination.

TUBEROSITY RESTORATION
Medial and lateral **suture holes** allow for tuberosity reattachment.

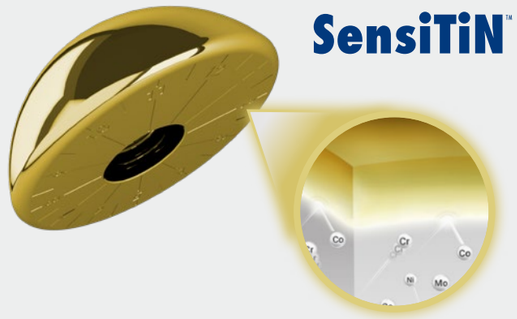
CONVERTIBILITY
If a conversion is necessary, the anatomic metaphysis is removed, to provide adequate space for conversion to reverse.

SENSITIN

SensiTiN is a ceramic-like coating of titanium nitride, designed to reduce metal ion release from Medacta's implants.

SensiTiN coating allows to reduce metal ion release by up to 90%. [1]

This hypoallergenic option is available for both anatomic and reverse shoulder replacement.



[1] Medacta: data on file.

DOUBLE ECCENTER & HUMERAL HEAD

DOUBLE ECCENTRICITY
Adjustable offset of up to 5mm for every size of the humeral head. The double eccentricity guarantees a perfect ability to match and reproduce the native head-stem offset.

WIDE SIZE RANGE
10 humeral head sizes are available to restore the correct humeral head anatomy.

SENSITIN OPTION
Medacta Shoulder System humeral heads are available in the SensiTiN option.

The reverse configuration is characterized by a semi-inlay design that reduces risks correlated with onlay platforms and overcome the limitations of previous inlay designs. Moreover, with an innovative design of the liner, the surgeon has the opportunity to adapt the system to the patient with options for reverse neck shaft angle.

GLENOID BASEPLATE

Two different baseplate fixation options are available: pegged and threaded.

PEGGED BASEPLATE

The peg is characterized by 0.3mm press-fit. The back surface of the baseplate is coated with hydroxyapatite. The size range is extensive: diameters are available in 22, 24.5, and 27mm with 15, 25, and 35mm post lengths.

THREADED BASEPLATE

24.5 and 27mm diameters are available with different post length options. The back surface of the baseplate is coated with MectaGrip.

GLENOSPHERE

WIDE RANGE OF OPTIONS

The glenosphere is available in **4 diameter sizes** (Ø 32, 36, 39, 42mm) and **2 lateralization options** (+ 4mm or + 9mm) to adapt to each patient's anatomy and to manage each pathological condition.

FIXED INFERIOR OFFSET

2mm inferior offset is constant through all sizes to reduce the risk of scapular notching and allows to place the baseplate in a position where bone is normally strong.

SENSITIN OPTION

Medacta Shoulder System glenospheres are available in the SensiTiN option.

REVERSE HUMERAL METAPHYSIS & LINER

SEMI-INLAY DESIGN

The **semi-inlay design** helps preventing excessive humeral distalization and lateralization and reducing the risk of scapular notching.

TUBEROSITY RESTORATION

Medial and lateral **suture holes** allow for tuberosity reattachment.

APPROPRIATE NECK SHAFT ANGLE

The liner can be placed at either 145° or 155°. Depending on the patient's conditions, the surgeon can choose between increased ROM (145°) or maximized stability (155°).

REDEFINING BETTER
IN ORTHOPAEDICS
AND SPINE SURGERY

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Please verify approval of the devices described in this document with your local Medacta representative.

Medacta Shoulder System
Leaflet

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