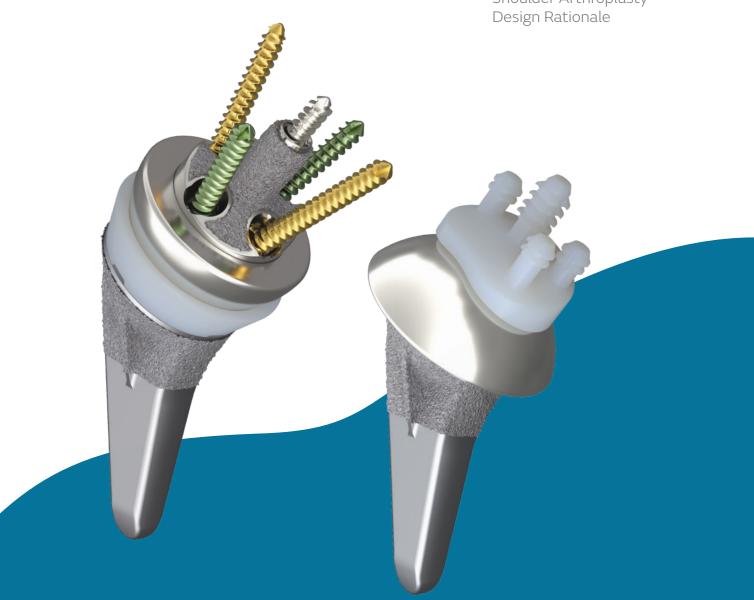


AETOS[◊] Shoulder System

Shoulder Arthroplasty Design Rationale



Design rationale

From experience and passion, AETOS Shoulder System is designed to be a bone preserving option for patients needing an anatomic or reverse shoulder arthroplasty.¹ Focusing on **morphological preservation**, the AETOS system maintains patient anatomy with anatomic humeral head cuts², and is focused on metaphyseal fixation, fit, and stability with an in-lay design² which can also minimize over-tensioning.²

The AETOS Shoulder System offers a compact yet comprehensive portfolio of solutions that allows for intraoperative flexibility³ to elevate the surgical experience with **elegant simplicity.**^{2,4,6}

System features

- Designed to maximize stability
- Compact 3 tray system designed with smart instrumentation to streamline procedures³
- Intraoperative convertibility from TSA to RSA



Meta Stem

The difference a shape makes

Shape

The AETOS Meta Stem is designed to provide metaphyseal fixation and stability with an in-lay collar.²



The large proximal tapered geometry of the in-lay collar allows for fixation.² The in-lay design permits soft tissue tensioning.

- Reduce risk of acromion fracture⁴⁻⁷
- Prevent deltoid fatigue⁸

Lateral curve

Allows surgeons to respect the greater tuberosity during insertion.



*Compared to an onlay design **Compared to uncoated implants

25x magnification

Inclination

AETOS Meta Stem is designed for anatomic neck resection.



Cruciate fins

Fins allow for metaphyseal centering while respecting posterior humeral offset. The fins also provide fixation.

- Narrow, Medial/Lateral Fins are designed to provide rotational stability.¹
- Anterior/Posterior Fins are designed to prevent varus/valgus tilt and provide initial fixation.¹

Taper distal portion

AETOS Meta Stem provides the flexibility for anatomic placement.

The tapered distal portion of the AETOS Meta Stem minimizes cortical contact.^{2,9}

Plasma spray porous titanium coating

To encourage biological fixation^{12-15*}

4 AETOS^o Shoulder Arthroplasty Design Rationale

AETOS Meta Stem

4 stem sizes to address a variety of patients



Anatomic Humeral Head

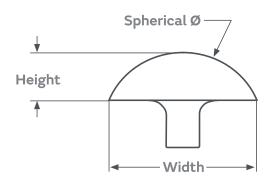
Keeping anatomics, anatomic

Only concentric humeral heads are needed to restore the humeral head placement to native anatomic position due to the Meta Stem being a metaphyseal oriented stem and placed in the center of the humeral head osteotomy.³ Compared to traditional shoulder systems, the AETOS Shoulder System is designed to reduce the inventory footprint required in the OR and facility.⁴

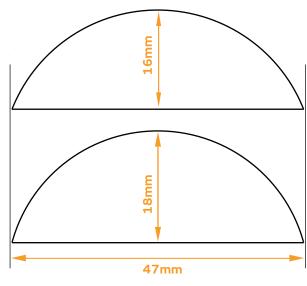


10 Concentric Heads Spherical ø 14mm 41mm 44.25mm 44mm 45.56mm

50-21 21mm 51.32mm 53mm 53-22 54.51mm



Designed to properly balance soft tissue in the shoulder



Base width same for each height

AETOS Humeral Head offerings

Anatomic Glenoid

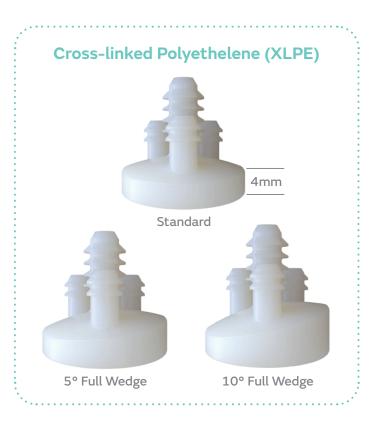
AETOS Anatomic Glenoid

 4 sizes to address a variety of patients

Available in Standard, 5° & 10° full wedges to address varying patient bone loss.

- Oval shape with 4-pegs
 Designed to provide stability and to resist rocking horse.^{10,11}
- 9 longitudinal flutes

Designed to evenly distribute and interdigitate cement across all 4-pegs.¹⁰



Posterior augment poly thickness specifications		
Glenoid base size	5° correction	10° correction
XS	4.4mm	6.2mm
S	4.8mm	6.4mm
М	5.2mm	6.5mm
	5.6mm	6.8mm

Reverse Liner

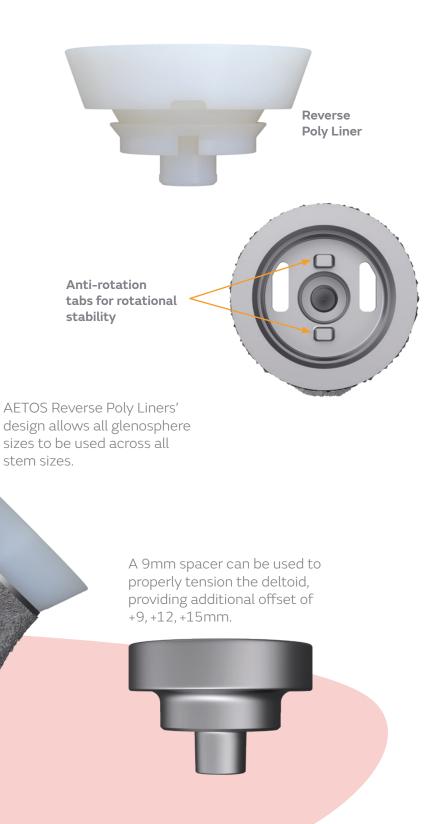
Reverse Glenoid Liner offerings

- Standard and Retentive options
- Thickness options: 0, +3, +6mm

AETOS Reverse Poly Liners' lead-in tip locks into the stem to provide stability and assists in locking the

liner into the stem.

• Material: Cross-linked Polyethelene (XLPE)



Baseplate

Shapes

Eccentric Baseplate allows for the post to be placed centrally similar to an anatomic glenoid prep.

Circular baseplate design allows for implantation flexibility.





Offerings

Centered, Eccentric 10° Full Wedge and 15° Full Wedge









15° Full Wedge

Centered

Eccentric

Central Post

- 9mm diameter
- 15mm length



Post Extension options

• 8.25mm diameter, available in 10mm & 15mm lengths





Baseplate continued

Central Screw

A central screw* provides compression independent of the baseplate orientation.

• 4.5mm diameter, available in 7 lengths



Peripheral Screw options

Variable angle, 4.5mm screws in 8 lengths allows flexibility to provide the best fixation in vary bone quality with locking or compression in any baseplate peripheral hole.



Coating

Plasma spray porous titanium designed for biologic on-growth



25x magnification

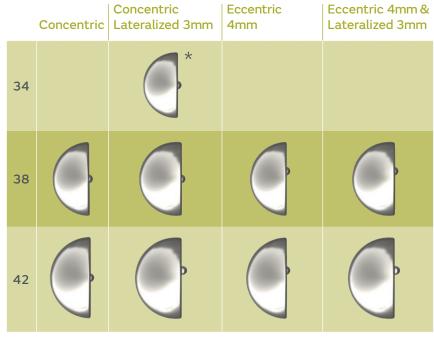
*Central screw cannot be used if post extension is used and cannot be used with eccentric baseplate

Glenosphere

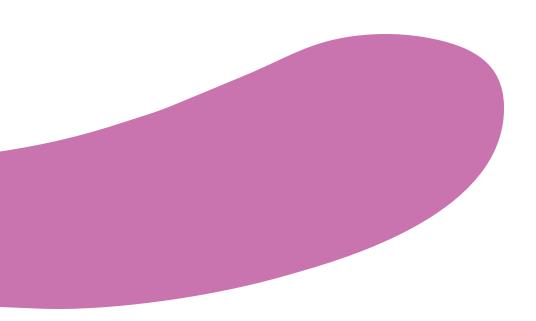
Glenosphere offerings

- 3 Diameters
- 4 Soft-tissue Adjustment Offsets
- Taper and Retention Screw
- Integrated Rotation Control with insertion handle.





*Lateralization +1mm



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