TT METAL BACK

MODULAR GLENOID PROVIDING OPTIONS FOR DEFICIENT GLENOIDS IN ANATOMIC AND REVERSE ARTHROPLASTY
TT METAL BACK

Designed to address the most complex cases in glenoid replacement
Trabecular Titanium™ is an advanced cellular solid structure:

- Made by electron beam melting titanium powder layer by layer into any shape or porosity desired.
- It is not a coating, achieving structural continuity between porous and solid parts.
- With a high coefficient of friction to maximize component stability [1]
Specifically designed to address a wide range of bone defects, the SMR® TT Metal Back offers an innovative solution in glenoid replacement.

The intraoperative versatility, the modularity and the advanced Trabecular Titanium structure provide surgeons with a patient specific management toolset.
Based on the established heritage \cite{2,3,4,5} of the SMR® System, the SMR® TT Metal Back is a universal glenoid allowing surgeons to implant a reverse or anatomical prosthesis using reduced instrumentation.

**ANATOMIC**

In a total shoulder configuration a polyethylene glenoid liner locks over the SMR® TT Metal Back and articulates with the humeral head.

**REVERSE**

In a reverse shoulder arrangement dual sided tapers are used to lock the glenosphere to the SMR® TT Metal Back.

**NOTE:** When used as part of the SMR® Anatomic Shoulder Replacement, the SMR® TT Metal Back Glenoid is intended for use with bone cement.
The SMR® TT Metal Back implant has been designed to achieve strong primary fixation and osseointegration.

**ENHANCED INITIAL STABILITY**

Trabecular *Titanium* technology maximizes component stability thanks to the high friction coefficient with trabecular bone [1].

![Diagram showing coefficient of friction comparison](image)

**TECHNOLOGY SUPPORTING OSSEOINTEGRATION**

Trabecular *Titanium* provides the opportunity for significant osseointegration with high bone ingrowth percentages, both in cancellous and cortical bone as reported in published studies [8,9].
The extensive modularity offers to the surgeons the possibility to choose the most appropriate solution according to the patient’s unique anatomy.

- The SMR® TT Metal Back provides a wide range of modular pegs, available in four lengths and two diameters, to manage bone deficiency.

- The peg features an optimized double taper geometry to match the anatomy of the scapula.
CASE 1

GENDER: male
AGE: 73-year old
PATHOLOGY: osteoarthritis
PRIMARY IMPLANT: total anatomic
REASON FOR REVISION: rotator cuff tear, revision to rTSA

by courtesy of Kevin Setter, MD
(Upstate University Hospital, Syracuse, New York)

CASE 2

GENDER: female
AGE: 85-year old
PATHOLOGY: cuff tear arthropathy with important medialization of the joint line

by courtesy of Kurt Bormann, MD
(Boone Hospital Center, Columbia, Missouri)
Bibliography


