It all starts with a better shape.
Your patient counts on you.
You can count on Zimmer.

Form.

Fit.

Function.
Restoring mobility. 
Restoring independence. 
Restoring hope.

At Zimmer, we understand the complex challenges you face treating patients suffering from severe rotator cuff deficiency and arthritis. We know they’re counting on you to decrease pain, increase functionality and reassure them of a brighter future. That’s why you need an arthroplasty solution that offers maximum flexibility for repair and reconstruction in these tough surgical cases. Now, there’s a solution that meets your needs and the needs of your patients—the Trabecular Metal Reverse Shoulder System.

In these pages, you'll discover how the Trabecular Metal Reverse Shoulder System supports enhanced bone and soft tissue healing. How it provides both short-term and long-term options for managing difficult clinical presentations. And most importantly, how it can help you restore your patient’s hope for a better life.

• Zimmer’s innovative bone-sparing stem and base plate designs help you address the toughest surgical cases.

• Increased sizing options for stems, poly liners and spacers provide greater flexibility to help you meet your patients’ needs.

• Opportunities for reattachment and reconstruction increase the chances for improved internal and external rotation — and an improved lifestyle for your patients.
Form. Innovative low-profile design preserves the proximal humerus.

The Trabecular Metal Reverse Shoulder System features a low-profile humeral stem that helps conserve the proximal humerus, offers maximum preservation of bone stock and provides an improved opportunity to reconstruct the gleno-humeral joint. The six proximal suture holes and a proximal perimeter rim are positioned for enhanced tuberosity and soft tissue reattachment.

The glenoid component also features an innovative bone-sparing design. The base plate has a small diameter and does not require unnecessary holes in the glenoid. Two polyaxial bone screws with a 30° arc allow for maximum bone purchase.

Additionally the system’s monobloc stem ensures that the stem will not separate while in the humeral canal.

Trabecular Metal Technology is the leading orthopaedic porous fixation biomaterial in the world. It features a fully interconnected strut configuration and a close approximation of the physical and mechanical properties of trabecular bone.\(^1,2\)

Initial implant stability is provided by the inherently high friction of Trabecular Metal material against bone and soft tissue.\(^1,2,4\)

The Advantage
Fit. The flexibility to meet a wider variety of patient needs.

The Trabecular Metal Reverse Shoulder System offers a wide range of stem, poly liner and humeral spacer sizing options to help ensure the optimum fit for your patients. In addition, the system provides you the option of choosing multiple poly liner angles (60° or 65°) to give you the ability to change the level of constraint as necessary.

Trabecular Metal Technology provides superior short- and long-term stability. Immediate fixation is provided by the biomaterial’s high level of friction, while the structural simulation of trabecular bone encourages rapid soft tissue and bone ingrowth.1,2,6 Because of the nature of Trabecular Metal material, glenoid fixation improves with time.

The biological fixation of the glenoid component is supplemented with multiple angulation bone screws that allow you — not the system — to determine the optimum location for bone purchase. Furthermore these screws do not capture the base plate threads and are designed to compress the Trabecular Metal material into the glenoid.

Function. Restoring mobility, reducing pain and improving range of motion.

The Trabecular Metal Reverse Shoulder System combines the flexibility surgeons require to be successful in a wide range of clinical situations with patient-focused considerations that are designed to provide a better quality of life.

- Superior fixation and soft tissue repair
- Increased opportunities to repair tuberosities
- Precise sizing and acute neck angles to potentially decrease the risk of impingement

These are just a few of the potential functional advantages that support the goals of virtually every patient: increased lift, internal and external rotation and decreased pain.

In human radiographic clinical studies, postoperative gaps have been shown to reliably fill with bone.5

The majority of the Trabecular Metal construct’s void space is filled with bone at eight weeks postoperative.2

The high-volume porosity and fully interconnected cellular structure of Trabecular Metal material support rapid soft tissue ingrowth.6

With its clinically proven biological fixation and superior bone and soft tissue repair, Trabecular Metal Technology meets the demands of complex shoulder reconstructions.7 With the introduction of the Trabecular Metal Reverse Shoulder System, Zimmer continues to demonstrate its leadership in the challenging shoulder segment of the orthopaedic industry.