The G7 acetabular system is specifically designed to simplify implant and instrument delivery for optimized operative efficiency and maximized clinical performance.

The interchangeability of the system enables you to use any liner with any shell, with consistent sizes throughout the system while providing offerings that cover the full continuum of constraint.

With a comprehensive implant offering and full system interchangeability, G7 maximizes treatment options through a highly flexible, system-based approach to patient specific hip replacement.
COMPREHENSIVELY SIMPLE

THE G7 ACETABULAR SYSTEM OFFERS THE LARGEST RANGE OF SIZING COMBINATIONS

FULL SYSTEM INTERCHANGEABILITY WITH CONSISTENT SIZING AND OPTIMIZED HEAD TO SHELL RATIO ACROSS THE FULL RANGE OF SHELL OPTIONS $^{1,2,3}$
Reduced Wear
Smaller diameter heads, like the inner head in this construct, have been clinically proven to lead to lower rates of wear.\(^{11}\)

Dislocation Resistance
Large diameter heads, like the polyethylene bearing in this construct, have been clinically shown to increase jump height which makes it more difficult for the head to dislocate.\(^{4,14,15}\)

Seating and Alignment
Hard bearing inserter ring helps ensure the CoCr liner is aligned properly during implantation to help limit micro-motion.

Stability
Optimized 40mm bearing to 50mm shell ratio with option to convert to a constrained liner if needed.
FREEDOM CONSTRAINED
DESIGNED TO COUNTER THE DISTRACTIVE FORCES THAT CAN LEAD TO RECURRENT HIP DISLOCATION

Simplified Reduction
Circumferential flats on Freedom heads allow for in-vivo reduction and pre-assembled Freedom® liners and rings

Enhanced Constraint
Preassembled constraining ring increases resistance to lever-out forces without need to assemble in-vivo

Reduced Risk of Impingement and Instability
Increased ranges of motion, as found in the Freedom constrained liner at 114 degrees, have been clinically shown to reduce the risk of impingement and instability

Stability
Interchangeability between all G7 components allows surgeons to customize stability to the patient’s needs
OSSEOTI - A PROPRIETARY ADDITIVE MANUFACTURING TECHNOLOGY
OsseoTi Porous Metal technology uses digitized human CT data to mimic the architecture of human cancellous bone and a proprietary additive manufacturing (3D printing) process to deliver:

- Average pore size of 475 microns
- Approximately 70% porosity
- Material strength between that of cancellous and cortical bone

OsseoTi enables surgeons to realize the benefits of highly porous technology without compromising head to shell ratio.

VIVACIT-E® - TESTED FOR A LIFETIME OF WEAR RESISTANCE
Vivacit-E HXLPE is specifically designed to maximize performance through a proprietary process providing:

- Ultra-low Wear
- Exceptional Oxidative Stability
- Improved Mechanical Strength

Vivacit-E HXLPE has been laboratory tested to 100 million cycles to mimic the number of walking steps a patient will typically take during a lifetime following a total joint replacement.
The Hard Bearing Inserter Ring is designed to correctly align the CoCr liner within the G7 shell to help avoid the micromotion & disassociation that can result from malalignment or incomplete seating in modular dual mobility constructs.

Internal in-vitro testing demonstrates the fretting and corrosion resistance of the taper interface between the G7 acetabular shell and the G7 Dual Mobility CoCr liner.

- 10 million cycle fatigue test
- No signs of fretting corrosion
- No deformations
- Debris analysis showed rates lower than those clinically reported in patients three years post THA
INTUITIVELY EFFICIENT INSTRUMENTS

THE EFFICIENT TRAY FACILITATES COST AND TIME SAVINGS, HOLDING ALL GENERAL G7 INSTRUMENTS IN ONE CASE

All Stainless Steel Construction
Designed for fast sterilization and dry times

Perforated Tray
Designed to promote sterilizing steam flow and maximum drainage

Unique Wave Construction
Securely holds instruments while reducing overall case weight

ALLOWS FOR EASE IN LOCATING INSTRUMENTS AND REDUCED CLUTTER IN THE OPERATING ROOM
PATIENT-SPECIFIC MINI TRAYS

PATENTED COLOR-CODED SYSTEM OPTIMIZES IMPLANT AND INSTRUMENT SELECTION DURING SURGERY
PERSONALIZED:
TRANSFORMING THE PRIMARY EPISODE OF CARE, ONE PATIENT AT A TIME

From implants to instruments, surgical systems and support services, each piece of the Zimmer Biomet portfolio has been designed to address the distinct needs of individual patients, while simplifying the surgical workflow.
References
* Laboratory testing is not necessarily indicative of clinical performance.

5. Zimmer ZRR _WA_2409 _11*
6. Zimmer ZRR _WA_2399 _11*
7. Zimmer ZRR _WA_2402 _11, Rev. 1*

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