



## Optimizing Glenohumeral Articulation

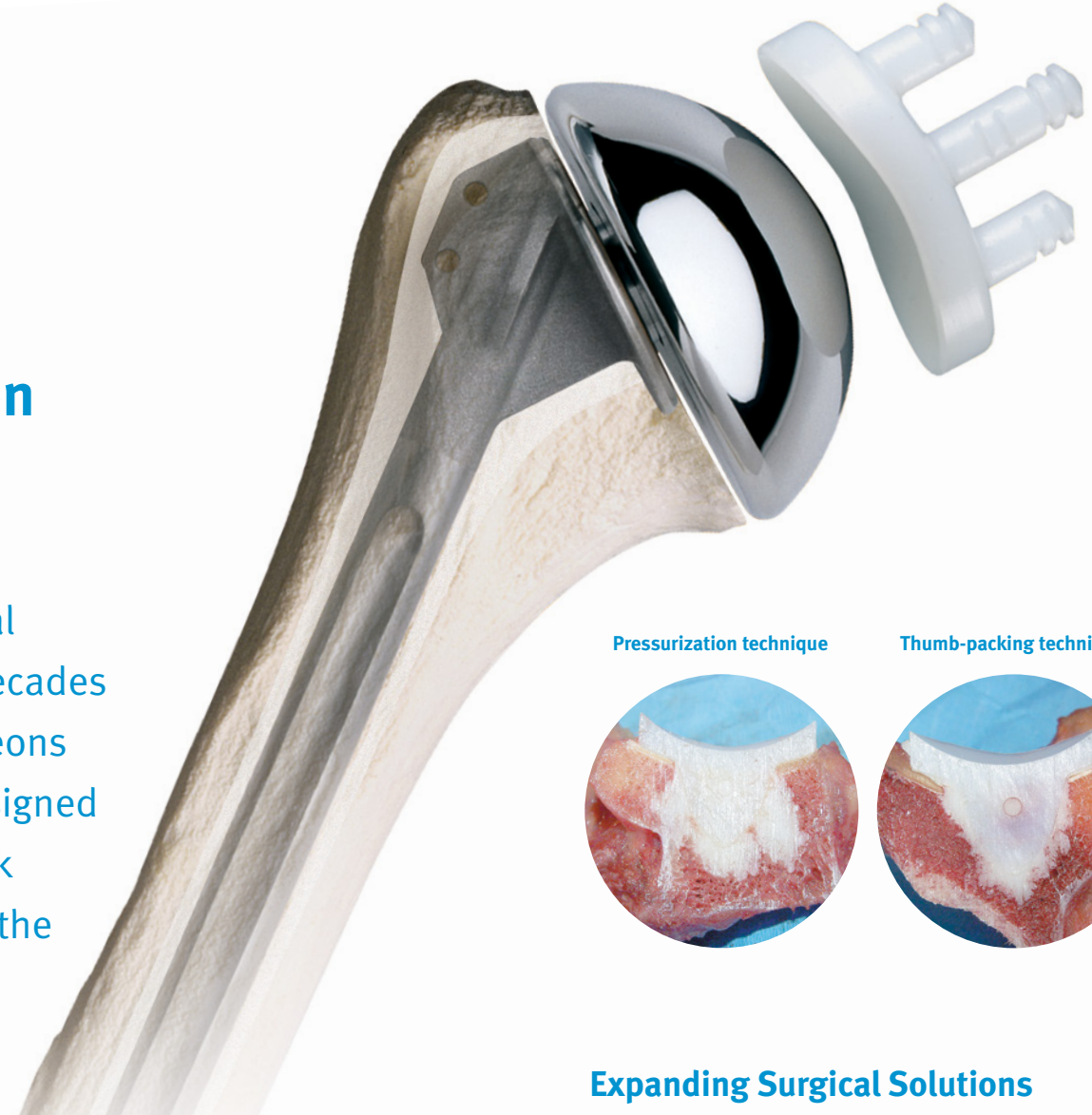
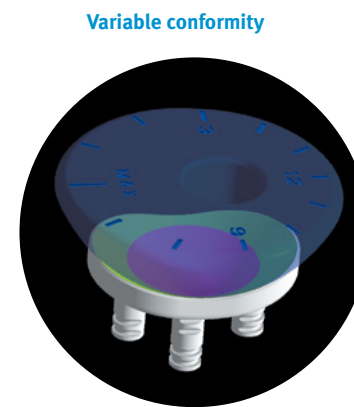
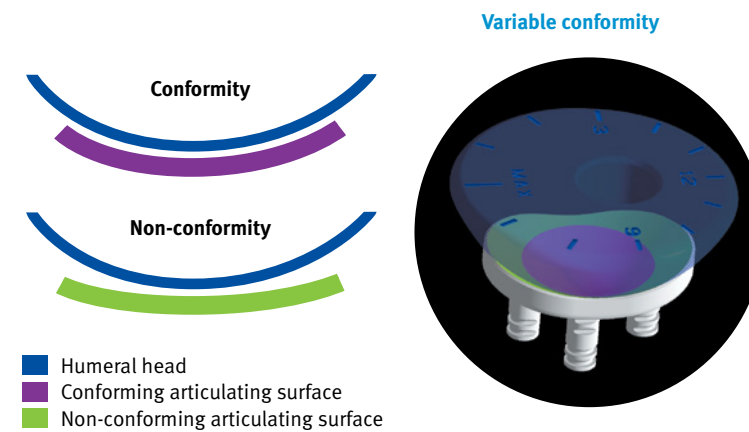
Through innovative component design and a simple, reproducible surgical technique, *Bigliani/Flatow*® The Complete Shoulder Solution can help replace the natural **mobility, balance, and stability** of the shoulder joint. Decades of clinical and development expertise by shoulder surgeons and Zimmer have resulted in a total shoulder that is designed to optimize kinematics of the joint, maximize bone stock preservation and provide durable materials to enhance the outcome of primary or revision surgery.

*Zimmer compression-molded polyethylene components are designed to minimize wear and optimize performance. Pegged or keeled designs are offered in 16 sizes to provide intraoperative flexibility in creating patient-specific glenohumeral articulating solutions.*

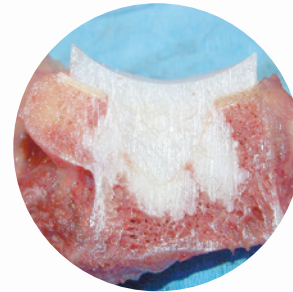
*Pegged or keeled glenoid components, available in proportioned sizes, provide excellent anatomical contour and optimal fit in the glenoid vault.*



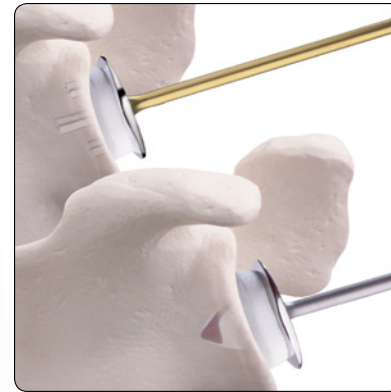
A proprietary design feature provides variable conformity for accurate glenohumeral articulation and optimized joint performance. The innovative glenoid component design provides a center conforming zone surrounded by a non-conforming zone. This results in joint stability throughout the range of motion and reduced edge loading and associated wear.



Pressurization technique



Thumb-packing technique



*Sizers and pressurizer sponges are specifically designed to provide a pressurized cement application and excellent interdigitation into cancellous bone, thereby reducing the potential for early postoperative radiolucencies.*

## Expanding Surgical Solutions

The *Bigliani/Flatow* Shoulder System instrumentation and technique are designed to create reproducible, **patient-specific results** and address the unpredictability that can come with shoulder joint replacement surgery. At every stage, from glenoid vault preparation to component fixation to glenohumeral component sizing to joint kinematics, the system's instrumentation offers **accuracy, flexibility, and ease of use.**

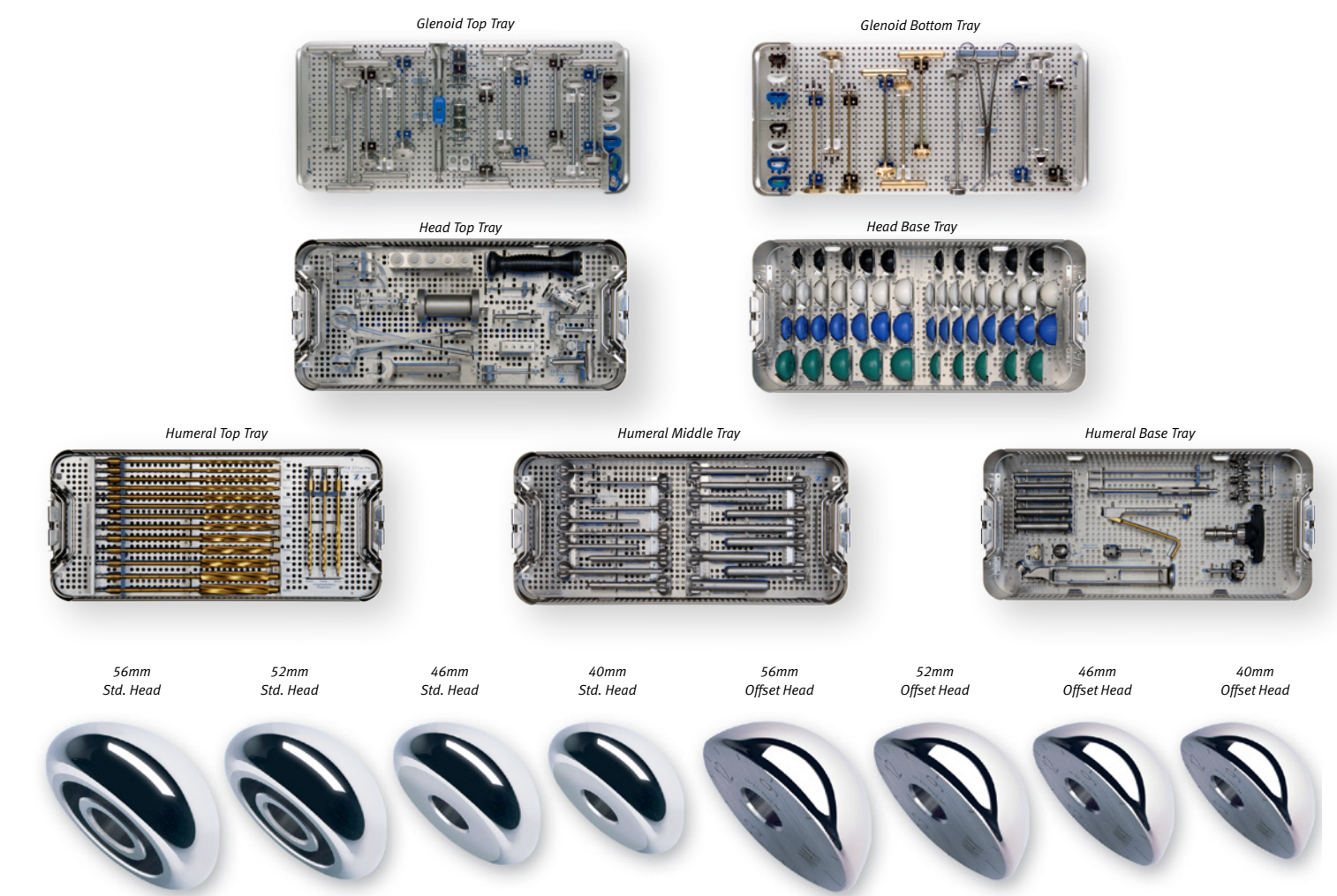


Comprehensive component sizing options address component mating issues by providing surgeons with the **intraoperative flexibility to mismatch glenoid and humeral head components.** The variable conformity design helps to ensure joint stability and kinematics.

*Standard and color-coded provisionals, accompanied by a selection chart that is permanently affixed inside the glenoid tray lid, help to simplify the selection of glenoid and humeral head components in cases that require a mismatch.*

		GLENOID IMPLANTS/PROVISIONALS SIZING CHART			
		HUMERAL HEAD SIZES			
		40MM	46MM	52MM	56MM
INSTRUMENTATION COLORS	BLACK				
	WHITE				
	BLUE				

Center bar indicates humeral head size.  
Perimeter color indicates glenoid size.



## Creating Patient-Specific Solutions

The clinical expertise of shoulder surgeons combined with Zimmer's vast experience with total joint replacement products has resulted in **proprietary technologies, innovative designs, and a simplified surgical technique.** These benefits and the clinical success of Neer-style stems have earned the *Bigliani/Flatow* Shoulder System a worldwide following that is rapidly growing.

*The Humeral Head Cutting Guide helps to ensure the proper cut angle for accurate glenohumeral component alignment, and the Stem Collar Counterbore helps to prepare the humerus for a precise humeral head to bone interface.*