

Implants and Instrumentation

Modular Micro Stem Implants	
Humeral Stem 6mm x 60mm	00-4300-006-06
Humeral Stem 6mm x 130mm	00-4300-006-13
Humeral Stem 7mm x 60mm	00-4300-007-06

Modular Standard Stem Implants	
Humeral Stem 7mm x 130mm	00-4300-007-13
Humeral Stem 8mm x 130mm	00-4300-008-13
Humeral Stem 8mm x 170mm	00-4300-008-17
Humeral Stem 9mm x 130mm	00-4300-009-13
Humeral Stem 10mm x 130mm	00-4300-010-13
Humeral Stem 10mm x 170mm	00-4300-010-17
Humeral Stem 11mm x 130mm	00-4300-011-13
Humeral Stem 12mm x 130mm	00-4300-012-13
Humeral Stem 12mm x 170mm	00-4300-012-17
Humeral Stem 13mm x 130mm	00-4300-013-13
Humeral Stem 14mm x 130mm	00-4300-014-13
Humeral Stem 14mm x 170mm	00-4300-014-17
Humeral Stem 15mm x 130mm	00-4300-015-13
Humeral Stem 16mm x 130mm	00-4300-016-13
Humeral Stem 17mm x 130mm	00-4300-017-13
Humeral Stem 18mm x 130mm	00-4300-018-13

Modular Revision Stem Implants	
Humeral Stem 8mm x 200mm	00-4300-008-20
Humeral Stem 10mm x 200mm	00-4300-010-20
Humeral Stem 12mm x 200mm	00-4300-012-20
Humeral Stem 14mm x 200mm	00-4300-014-20

Modular Standard Head Implants	
Humeral Standard Head 15mm x 40mm	00-4300-040-15
Humeral Standard Head 18mm x 40mm	00-4300-040-18
Humeral Standard Head 21mm x 40mm	00-4300-040-21
Humeral Standard Head 24mm x 40mm	00-4300-040-24
Humeral Standard Head 27mm x 40mm	00-4300-040-27
Humeral Standard Head 15mm x 46mm	00-4300-046-15
Humeral Standard Head 18mm x 46mm	00-4300-046-18
Humeral Standard Head 21mm x 46mm	00-4300-046-21
Humeral Standard Head 24mm x 46mm	00-4300-046-24
Humeral Standard Head 27mm x 46mm	00-4300-046-27
Humeral Standard Head 30mm x 46mm	00-4300-046-30
Humeral Standard Head 33mm x 46mm	00-4300-046-33
Humeral Standard Head 18mm x 52mm	00-4300-052-18
Humeral Standard Head 21mm x 52mm	00-4300-052-21
Humeral Standard Head 24mm x 52mm	00-4300-052-24
Humeral Standard Head 27mm x 52mm	00-4300-052-27
Humeral Standard Head 30mm x 52mm	00-4300-052-30
Humeral Standard Head 33mm x 52mm	00-4300-052-33
Humeral Standard Head 36mm x 52mm	00-4300-052-36
Humeral Standard Head 30mm x 56mm	00-4300-056-30
Humeral Standard Head 33mm x 56mm	00-4300-056-33
Humeral Standard Head 36mm x 56mm	00-4300-056-36
Humeral Standard Head 39mm x 56mm	00-4300-056-39
Humeral Standard Head 42mm x 56mm	00-4300-056-42

Modular Offset Head Implants	
Humeral Offset Head 15mm x 40mm	00-4302-040-15
Humeral Offset Head 18mm x 40mm	00-4302-040-18
Humeral Offset Head 21mm x 40mm	00-4302-040-21
Humeral Offset Head 24mm x 40mm	00-4302-040-24
Humeral Offset Head 27mm x 40mm	00-4302-040-27
Humeral Offset Head 15mm x 46mm	00-4302-046-15
Humeral Offset Head 17mm x 46mm	00-4302-046-17
Humeral Offset Head 18mm x 46mm	00-4302-046-18
Humeral Offset Head 19mm x 46mm	00-4302-046-19
Humeral Offset Head 21mm x 46mm	00-4302-046-21
Humeral Offset Head 23mm x 46mm	00-4302-046-23
Humeral Offset Head 24mm x 46mm	00-4302-046-24
Humeral Offset Head 27mm x 46mm	00-4302-046-27
Humeral Offset Head 30mm x 46mm	00-4302-046-30
Humeral Offset Head 18mm x 52mm	00-4302-052-18
Humeral Offset Head 19mm x 52mm	00-4302-052-19
Humeral Offset Head 21mm x 52mm	00-4302-052-21
Humeral Offset Head 23mm x 52mm	00-4302-052-23
Humeral Offset Head 24mm x 52mm	00-4302-052-24
Humeral Offset Head 27mm x 52mm	00-4302-052-27
Humeral Offset Head 30mm x 52mm	00-4302-052-30

Humeral Offset Head 33mm x 52mm	00-4302-052-33
Humeral Offset Head 19mm x 56mm	00-4302-056-19
Humeral Offset Head 21mm x 56mm	00-4302-056-21
Humeral Offset Head 23mm x 56mm	00-4302-056-23
Humeral Offset Head 24mm x 56mm	00-4302-056-24
Humeral Offset Head 27mm x 56mm	00-4302-056-27

Glenoid w/ Keel Implants	
Glenoid w/ Keel 40mm	00-4300-080-00
Glenoid w/ Keel 40mm x 46mm Articular Surface	00-4300-040-46
Glenoid w/ Keel 46mm x 40mm Articular Surface	00-4300-046-40
Glenoid w/ Keel 46mm	00-4300-081-00
Glenoid w/ Keel 46mm x 52mm Articular Surface	00-4300-046-52
Glenoid w/ Keel 52mm x 46mm Articular Surface	00-4300-052-46
Glenoid w/ Keel 52mm	00-4300-082-00
Glenoid w/ Keel 52mm x 56mm Articular Surface	00-4300-052-56

Glenoid w/ Pegs Implants	
Glenoid w/ Pegs 40mm	00-4300-085-00
Glenoid w/ Pegs 40mm x 46mm Articular Surface	00-4302-040-46
Glenoid w/ Pegs 46mm x 40mm Articular Surface	00-4302-046-40
Glenoid w/ Pegs 46mm	00-4300-086-00
Glenoid w/ Pegs 46mm x 52mm Articular Surface	00-4302-046-52
Glenoid w/ Pegs 52mm x 46mm Articular Surface	00-4302-052-46
Glenoid w/ Pegs 52mm	00-4300-087-00
Glenoid w/ Pegs 52mm x 56mm Articular Surface	00-4302-052-56

Optional Parts (Disposables)	
Keel Sponge, 1 Pair	00-4301-034-01
Pressurizer Sponge, 1 Pair	00-4301-035-01
Protective Sleeves, Box of 3	00-4303-075-01

Trabecular Metal™ Glenoid Implants	
Trabecular Metal Glenoid 40mm	00-4326-040-00
Trabecular Metal Glenoid 40mm x 46mm Articular Surface	00-4326-040-46
Trabecular Metal Glenoid 46mm	00-4326-046-00
Trabecular Metal Glenoid 46mm x 40mm Articular Surface	00-4326-046-40
Trabecular Metal Glenoid 46mm x 52mm Articular Surface	00-4326-046-52
Trabecular Metal Glenoid 52mm	00-4326-052-00
Trabecular Metal Glenoid 52mm x 46mm Articular Surface	00-4326-052-46
Trabecular Metal Glenoid 52mm x 56mm Articular Surface	00-4326-052-56

Instrument Sets	
Glenoid Instrument Set	KT-4300-000-01
Humeral Stem Instrument Set	KT-4300-000-04
Humeral Head Instrument Set	KT-4300-000-05
Revision Stem Instrument Set	00-4300-000-14
Bigliani/Flatow Cannulated Instrument Set	00-4300-000-26
Shoulder Retractors Set	00-4305-019-00
Trabecular Metal Glenoid Instrument Set	00-4327-000-02

Glenoid Instrument Set	
Includes:	
Glenoid Scraper	00-4301-018-00
Glenoid Planer	00-4301-025-00
40mm Glenoid Reamer	00-4301-028-40
46mm Glenoid Reamer	00-4301-028-46
52mm Glenoid Reamer	00-4301-028-52
Drill With Stop, Sterile	47-4301-031-00
Antirotation Pin	00-4301-031-01
40mm Glenoid Centering Guide	00-4301-039-40
46mm Glenoid Centering Guide	00-4301-039-46
52mm Glenoid Centering Guide	00-4301-039-52
Glenoid Inserter	00-4301-037-00
Angled Reamer Driver	00-4301-027-00
Palm Grip Assist	00-4301-073-01
Glenoid Pusher	00-4301-038-00
Wrench	00-4301-033-00
Glenoid Instrument / Provisionals Case	00-4301-095-00
Keel Slot Guide 40mm	00-4301-026-40
Keel Slot Guide 46mm	00-4301-026-46

Keel Slot Guide 52mm	00-4301-026-52
40mm Glenoid Reamer with Keel Locator	00-4301-029-40
46mm Glenoid Reamer with Keel Locator	00-4301-029-46
52mm Glenoid Reamer with Keel Locator	00-4301-029-52
Keel Glenoid Drill Guide 40mm	00-4301-030-40
Keel Glenoid Drill Guide 46mm	00-4301-030-46
Keel Glenoid Drill Guide 52mm	00-4301-030-52
Keel Sizer Pressurizer 40mm	00-4301-032-40
Keel Sizer Pressurizer 46mm	00-4301-032-46
Keel Sizer Pressurizer 52mm	00-4301-032-52
Pegged Glenoid Drill Guide 40mm	00-4301-077-40
Pegged Glenoid Drill Guide 46mm	00-4301-077-46
Pegged Glenoid Drill Guide 52mm	00-4301-077-52
Peg Sizer Pressurizer 40mm	00-4301-036-40
Peg Sizer Pressurizer 46mm	00-4301-036-46
Peg Sizer Pressurizer 52mm	00-4301-036-52
Glenoid w/ Keel Prov. 40mm	00-4301-063-00
Glenoid w/ Keel Prov. 40mm x 46mm Articular Surface	00-4301-040-46
Glenoid w/ Keel Prov. 46mm x 40mm Articular Surface	00-4301-046-40
Glenoid w/ Keel Prov. 46mm	00-4301-064-00
Glenoid w/ Keel Prov. 46mm x 52mm Articular Surface	00-4301-046-52
Glenoid w/ Keel Prov. 52mm x 46mm Articular Surface	00-4301-052-46
Glenoid w/ Keel Prov. 52mm	00-4301-065-00
Glenoid w/ Keel Prov. 52mm x 56mm Articular Surface	00-4301-052-56
Glenoid w/ Pegs Prov. 40mm	00-4301-066-00
Glenoid w/ Pegs Prov. 40mm x 46mm Articular Surface	00-4303-040-46
Glenoid w/ Pegs Prov. 46mm x 40mm Articular Surface	00-4303-046-40
Glenoid w/ Pegs Prov. 46mm	00-4301-067-00
Glenoid w/ Pegs Prov. 46mm x 52mm Articular Surface	00-4303-046-52
Glenoid w/ Pegs Prov. 52mm x 46mm Articular Surface	00-4303-052-46
Glenoid w/ Pegs Prov. 52mm	00-4301-068-00
Glenoid w/ Pegs Prov. 52mm x 56mm Articular Surface	00-4303-052-56

Optional Instrument	
Glenoid Sizing Chart	00-4301-095-50

Humeral Stem Instrument Set	
Includes:	
Stem Collar Counterbore	00-4301-074-00
Stem Collar Counterbore Extension, 8mm-9mm	00-4301-074-08
Stem Collar Counterbore Extension, 10mm-11mm	00-4301-074-10
Stem Collar Counterbore Extension, 12mm-13mm	00-4301-074-12
Stem Collar Counterbore Extension, 14mm-16mm	00-4301-074-14
Stem Collar Counterbore Extension, 17mm	00-4301-074-17
Humeral Stem Inserter/Extractor	00-4301-002-00
Alignment Pins (2)	00-4301-002-03
Straight Driver	00-4301-073-00
Pin Inserter/Extractor	00-4305-030-20
Fin Clamp Left 21, Right 15	00-4304-005-00
Fin Clamp Universal	00-4304-004-00
Fin Clamp Right 21, Left 15	00-4304-006-00
T-Handle	00-4301-004-00
Base, Humeral Stem	00-4303-012-00
Stem Provisional, 6mm x 60mm	00-4301-040-00
Stem Provisional, 6mm x 130mm	00-4301-041-00
Stem Provisional, 7mm x 60mm	00-4301-042-00
Stem Provisional, 7mm x 130mm	00-4301-043-00
Stem Provisional, 8mm x 130mm	00-4301-044-00
Stem Provisional, 8mm x 170mm	00-4301-045-00
Stem Provisional, 9mm x 130mm	00-4301-046-00
Stem Provisional, 10mm x 130mm	00-4301-047-00
Stem Provisional, 10mm x 170mm	00-4301-048-00
Stem Provisional, 11mm x 130mm	00-4301-049-00
Stem Provisional, 12mm x 130mm	00-4301-050-00
Stem Provisional, 12mm x 170mm	00-4301-012-17
Stem Provisional, 13mm x 130mm	00-4301-051-00
Stem Provisional, 14mm x 130mm	00-4301-052-00
Stem Provisional, 14mm x 170mm	00-4301-014-17
Stem Provisional, 15mm x 130mm	00-4301-015-13
Stem Provisional, 16mm x 130mm	00-4301-016-13
Stem Provisional, 17mm x 130mm	00-4301-017-13
Stem Provisional, 18mm x 130mm	00-4301-018-13
Middle Tray, Humeral Stem	00-4303-013-00
Blunt Tip Intramedullary Reamer, 6mm	00-4301-006-00
Blunt Tip Intramedullary Reamer, 7mm	00-4301-007-00
Blunt Tip Intramedullary Reamer, 8mm	00-4301-008-00

Implants and Instrumentation continued

Blunt Tip Intramedullary Reamer, 9mm	00-4301-009-00
Blunt Tip Intramedullary Reamer, 10mm	00-4301-010-00
Blunt Tip Intramedullary Reamer, 11mm	00-4301-011-00
Blunt Tip Intramedullary Reamer, 12mm	00-4301-012-00
Blunt Tip Intramedullary Reamer, 13mm	00-4301-013-00
Blunt Tip Intramedullary Reamer, 14mm	00-4301-014-00
Blunt Tip Intramedullary Reamer, 15mm	00-4301-015-00
Blunt Tip Intramedullary Reamer, 16mm	00-4301-016-00
Blunt Tip Intramedullary Reamer, 17mm	00-4301-000-17
Blunt Tip Intramedullary Reamer, 18mm	00-4301-000-18
Intramedullary Reamer, 6mm	00-4301-006-01
Intramedullary Reamer, 7mm	00-4301-007-01
Intramedullary Reamer, 8mm	00-4301-008-01
Top Tray, Humeral Stem	00-4303-014-00
Lid	00-5900-099-00

Humeral Head Instrument Set	
Includes:	
Standard Provisional Head, 15mm x 40mm	00-4301-040-15
Standard Provisional Head, 18mm x 40mm	00-4301-040-18
Standard Provisional Head, 21mm x 40mm	00-4301-040-21
Standard Provisional Head, 24mm x 40mm	00-4301-040-24
Standard Provisional Head, 27mm x 40mm	00-4301-040-27
Standard Provisional Head, 15mm x 46mm	00-4301-046-15
Standard Provisional Head, 18mm x 46mm	00-4301-046-18
Standard Provisional Head, 21mm x 46mm	00-4301-046-21
Standard Provisional Head, 24mm x 46mm	00-4301-046-24
Standard Provisional Head, 27mm x 46mm	00-4301-046-27
Standard Provisional Head, 30mm x 46mm	00-4301-046-30
Standard Provisional Head, 33mm x 46mm	00-4301-046-33
Standard Provisional Head, 18mm x 52mm	00-4301-052-18
Standard Provisional Head, 21mm x 52mm	00-4301-052-21
Standard Provisional Head, 24mm x 52mm	00-4301-052-24
Standard Provisional Head, 27mm x 52mm	00-4301-052-27
Standard Provisional Head, 30mm x 52mm	00-4301-052-30
Standard Provisional Head, 33mm x 52mm	00-4301-052-33
Standard Provisional Head, 36mm x 52mm	00-4301-052-36
Standard Provisional Head, 30mm x 56mm	00-4301-056-30
Standard Provisional Head, 33mm x 56mm	00-4301-056-33
Standard Provisional Head, 36mm x 56mm	00-4301-056-36
Standard Provisional Head, 39mm x 56mm	00-4301-056-39
Standard Provisional Head, 42mm x 56mm	00-4301-056-42
Offset Provisional Head, 15mm x 40mm	00-4303-040-15
Offset Provisional Head, 18mm x 40mm	00-4303-040-18
Offset Provisional Head, 21mm x 40mm	00-4303-040-21
Offset Provisional Head, 24mm x 40mm	00-4303-040-24
Offset Provisional Head, 27mm x 40mm	00-4303-040-27
Offset Provisional Head, 15mm x 46mm	00-4303-046-15
Offset Provisional Head, 17mm x 46mm	00-4303-046-17
Offset Provisional Head, 18mm x 46mm	0

Optimizing Glenohumeral Articulation

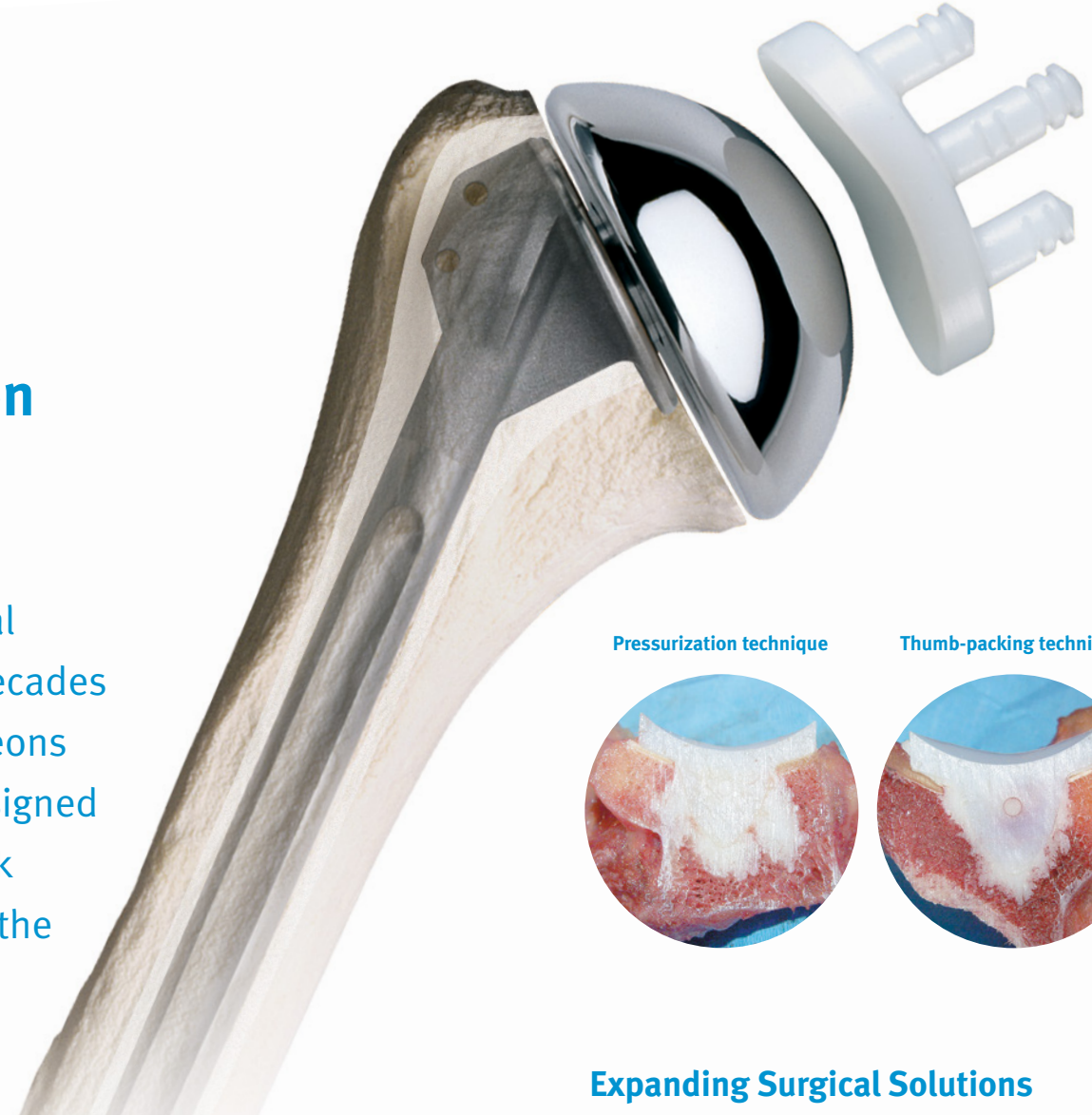
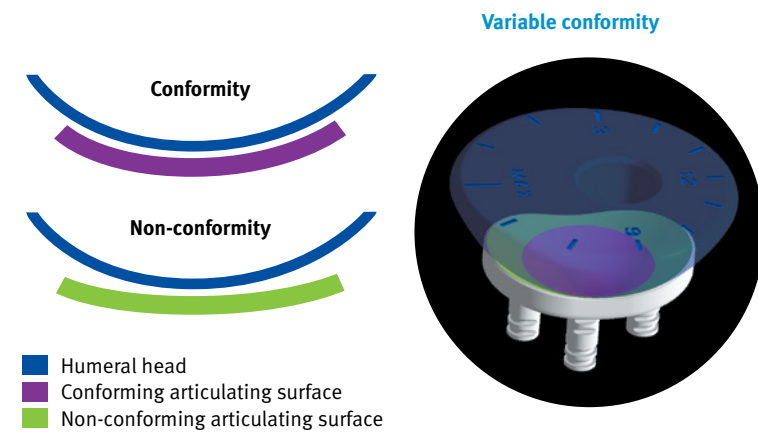
Through innovative component design and a simple, reproducible surgical technique, *Bigliani/Flatow*® The Complete Shoulder Solution can help replace the natural **mobility, balance, and stability** of the shoulder joint. Decades of clinical and development expertise by shoulder surgeons and Zimmer have 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.

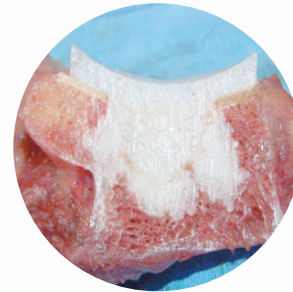
Pegged or keeled glenoid components, available in proportioned sizes, provide excellent anatomical contour and optimal fit in the glenoid vault.



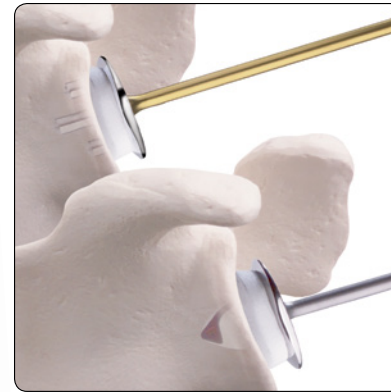
A proprietary design feature provides variable conformity for accurate glenohumeral articulation and optimized joint performance. The innovative glenoid component design provides a center conforming zone surrounded by a non-conforming zone. This results in joint stability throughout the range of motion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

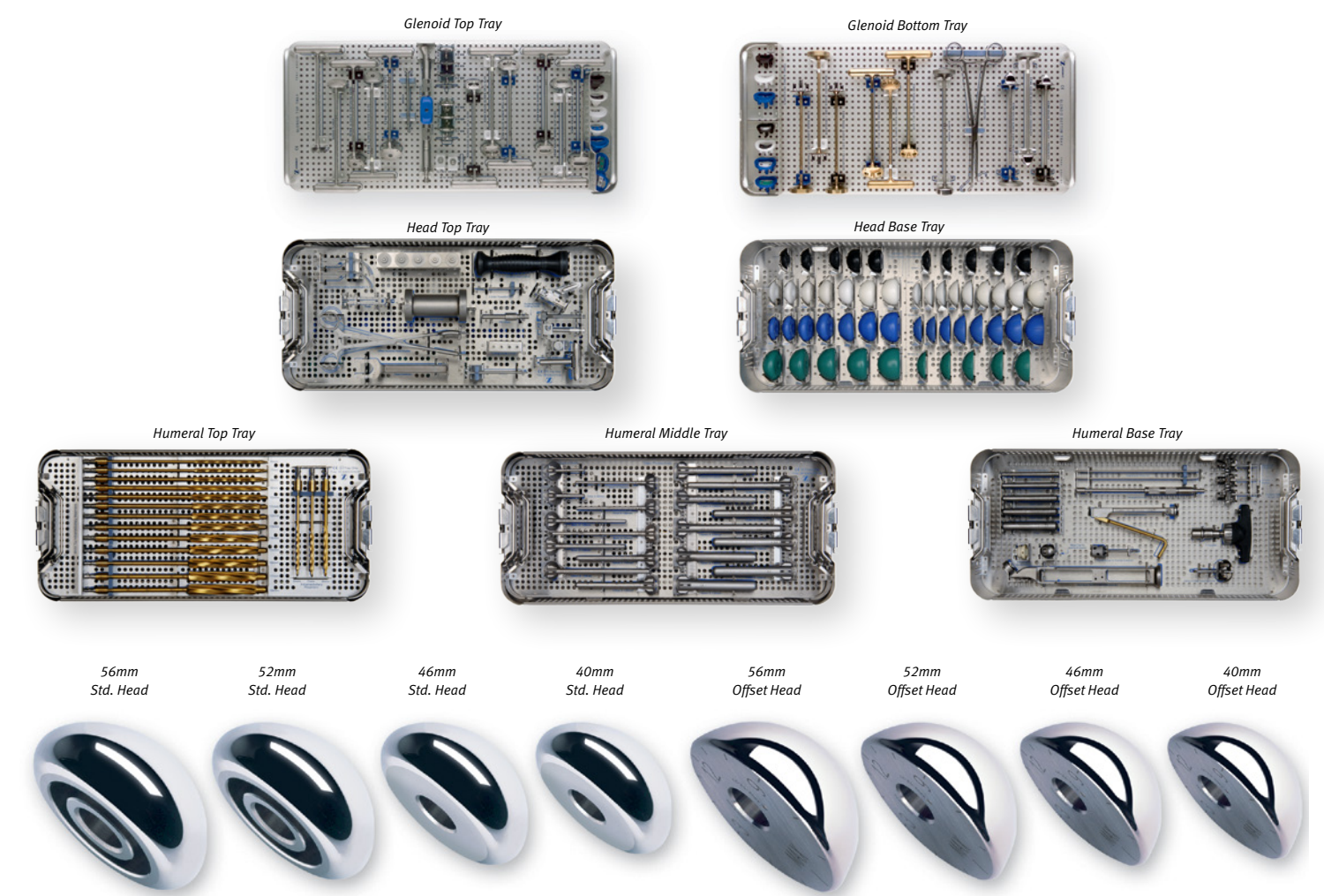


Comprehensive component sizing options address component mating issues by providing surgeons with the **intraoperative flexibility to mismatch glenoid and humeral head components.** The variable conformity design helps to ensure joint stability and kinematics.

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.