

**xl-foundation<sup>®</sup>c**

**Cemented Modular  
Bi-polar & Total Hip  
Replacement Systems**



10° posterior tilt



XL  
FOUNDATION<sup>®</sup>  
C

**xlo** trusted by  
Orthopaedics

XLO, established in 1992, has emerged as a pioneering force in the field of orthopaedic implants. The company is dedicated to enhancing patient outcomes and improving quality of life through innovative solutions in orthopaedics.

With a strong emphasis on quality and precision, **XLO a US FDA, CE, ISO13485:2016, WHO:GMP, ISO 9001:2015 & Indian FDA** has positioned itself as a leader in the design, development, and manufacturing of advanced orthopaedic implants.

XLO offers the most extensive range of Cementless & Cemented Joint Replacement Implants, Trauma Implants, 3d Printed Patient Specific Implants & Instruments along with Bone Cement with a state-of-the-art manufacturing facility located in New Delhi, India. This facility is equipped with advanced technology that supports the production of high-quality orthopaedic implants while adhering to strict regulatory standards.

The company has established a pan-India presence, ensuring that its products are accessible across the country. Furthermore, XLO exports its innovative solutions worldwide, contributing significantly to global healthcare advancements in orthopaedics.



- Suits all forms of bone anatomy.
- Highly polished surface & absence of sharp edges, minimizes debris, eliminates stress concentration and cracks.
- No turning moment and calcar absorption as the stem is collarless.
- Tapered stem leads to excellent radial compressive loading & reduces shear forces.
- Markers indicating level of insertion, is a useful tool in the hand of surgeons for limb length equality.
- Easy to implant and versatile as it provides a wide range of sizes to meet the varying needs of a patient for proper fitment in the medullary canal, and appropriate cement mantle.
- Unique hole through the stem deals with trochantric fractures, if any.
- Being cemented, it has better load transmission.
- Angle of neck and offset provides a unique geometry for prevention of dislocations.
- Available in a single, clearly labeled sterile pack.

### XYLS Revision Stem

| Stem Size  | Ref. No.       |
|------------|----------------|
| 0L X 200MM | 5005-00-0L-200 |
| 0L X 220MM | 5005-00-0L-220 |
| 0L X 240MM | 5005-00-0L-240 |
| 0L X 260MM | 5005-00-0L-260 |
| 0L X 280MM | 5005-00-0L-280 |
| 01 X 200MM | 5005-00-01-200 |
| 01 X 220MM | 5005-00-01-220 |
| 01 X 240MM | 5005-00-01-240 |
| 01 X 260MM | 5005-00-01-260 |
| 01 X 280MM | 5005-00-01-280 |
| 02 X 200MM | 5005-00-02-200 |
| 02 X 220MM | 5005-00-02-220 |
| 02 X 240MM | 5005-00-02-240 |
| 02 X 260MM | 5005-00-02-260 |
| 02 X 280MM | 5005-00-02-280 |

### XYLS Stem

| Stem Size | Ref. No.   |
|-----------|------------|
| 0 - S     | 5005-00-0S |
| 0 - L     | 5005-00-0L |
| 1         | 5005-00-01 |
| 2         | 5005-00-02 |
| 3         | 5005-00-03 |
| 4         | 5005-00-04 |
| 5         | 5005-00-05 |



### Revision & Calcar The Best Of Both Worlds In One Stem Design

- Suits all forms of bone anatomy.
- Highly polished surface & absence of sharp edges, minimizes debris, eliminates stress concentration and cracks.
- No turning moment
- Tapered stem leads to excellent radial compressive loading & reduces shear forces.
- Holes Provided for Suturing.
- Easy to implant and versatile as it provides a wide range of sizes to meet the varying needs of a patient for proper fitment in the medullary canal, and appropriate cement mantle.
- Broad medical collar allows for conservative bone resection.
- Provides a long surface for stress distribution.
- Three Suture Holes are strategically placed to provide multiple options for convenient reattachment of the greater trochanter.
- Available in Modular Blocks of 10, 15, 20mm.
- Unique hole through the stem deals with trochantric fractures, if any.
- Being cemented, it has better load transmission.
- Angle of neck and offset provides a unique geometry for prevention of dislocations.
- Available in a single, clearly labeled sterile pack.

#### Calcar Revision Stem

| Stem Size | Ref. No.       |
|-----------|----------------|
| 0L X 200  | 5005-CS-0L-200 |
| 0L X 220  | 5005-CS-0L-220 |
| 0L X 240  | 5005-CS-0L-240 |
| 0L X 260  | 5005-CS-0L-260 |
| 01 X 200  | 5005-CS-01-200 |
| 01 X 220  | 5005-CS-01-220 |
| 01 X 240  | 5005-CS-01-240 |
| 01 X 260  | 5005-CS-01-260 |
| 02 X 200  | 5005-CS-02-200 |
| 02 X 220  | 5005-CS-02-220 |
| 02 X 240  | 5005-CS-02-240 |
| 02 X 260  | 5005-CS-02-260 |

#### Calcar Stem

| Stem Size | Ref. No.   |
|-----------|------------|
| 0L        | 5005-CS-0L |
| 01        | 5005-CS-01 |
| 02        | 5005-CS-02 |

#### Calcar Block

| Block Size | Ref. No.    |
|------------|-------------|
| 10mm       | 5005-CSB-10 |
| 15mm       | 5005-CSB-15 |
| 20mm       | 5005-CSB-20 |



Three Suture Holes



### The Biomechanical Concept Dual Anchorage For Maximum Stability

- Suits all forms of bone anatomy.
- Tapered stem leads to excellent radial compressive loading & reduces shear forces.
- Easy to implant and versatile as it Available in 3 different sizes to meet the varying needs of a patient for proper fitment in the medullary canal, and appropriate cement mantle.
- The fine blasted surface of the stem provides the element with very favorable conditions for adhesion.
- Thanks to its flat cross section the implant locks itself in the bone.
- The high degree of integrity of the stem protects the cement against full fractured premature loosening.
- Being cemented, it has better load transmission.
- Angle of neck and offset provides a unique geometry for prevention of dislocations.
- Available in a single, clearly labeled sterile pack.

#### Muller Stem, Cemented

| Stem Size | Ref. No.       |
|-----------|----------------|
| Small     | 9009-MS-SMALL  |
| Medium    | 9009-MS-MEDIUM |
| Large     | 9009-MS-LARGE  |



- Innovative “Snug Fit” sleek stem, with unique fixation of Centralizer ensuring perfect installation of stem.
- Suits all forms of bone anatomy.
- Tapered stem leads to excellent radial compressive loading and reduces shear forces.
- Easy to implant and versatile as it provides an ideal size to meet the varying needs of patient for proper fitment in the medullary canal and appropriate cement mantle.
- Angle of neck and offset provides a unique geometry for prevention of dislocations.
- Available in single, clearly labeled sterile packs

### Bi-Polar Prosthesis, Non-Fenestrated

| Dia(Ø) | Ref. No.   |
|--------|------------|
| 37mm   | 4005-NF-37 |
| 38mm   | 4005-NF-38 |
| 39mm   | 4005-NF-39 |
| 40mm   | 4005-NF-40 |
| 41mm   | 4005-NF-41 |
| 42mm   | 4005-NF-42 |
| 43mm   | 4005-NF-43 |
| 44mm   | 4005-NF-44 |
| 45mm   | 4005-NF-45 |
| 46mm   | 4005-NF-46 |
| 47mm   | 4005-NF-47 |
| 48mm   | 4005-NF-48 |
| 49mm   | 4005-NF-49 |
| 50mm   | 4005-NF-50 |
| 51mm   | 4005-NF-51 |
| 52mm   | 4005-NF-52 |
| 53mm   | 4005-NF-53 |
| 54mm   | 4005-NF-54 |
| 55mm   | 4005-NF-55 |
| 56mm   | 4005-NF-56 |

### Bi-Polar Prosthesis, Fenestrated

| Dia(Ø) | Ref. No.   |
|--------|------------|
| 37mm   | 4005-BF-37 |
| 38mm   | 4005-BF-38 |
| 39mm   | 4005-BF-39 |
| 40mm   | 4005-BF-40 |
| 41mm   | 4005-BF-41 |
| 42mm   | 4005-BF-42 |
| 43mm   | 4005-BF-43 |
| 44mm   | 4005-BF-44 |
| 45mm   | 4005-BF-45 |
| 46mm   | 4005-BF-46 |
| 47mm   | 4005-BF-47 |
| 48mm   | 4005-BF-48 |
| 49mm   | 4005-BF-49 |
| 50mm   | 4005-BF-50 |
| 51mm   | 4005-BF-51 |
| 52mm   | 4005-BF-52 |
| 53mm   | 4005-BF-53 |
| 54mm   | 4005-BF-54 |
| 55mm   | 4005-BF-55 |
| 56mm   | 4005-BF-56 |



- Hip Prosthesis are indicated for degenerated femoral head replacement.
- Designed approximately similar to anatomical shape of femoral head.
- The fenestrated stem allows the bonyin growth for improved fixation.
- The Prosthesis is available in different head sizes to fit accurately in acetabulum.
- Available in Narrow & Broad Stem sizes.
- Long stem is designed to use when osteopenic bone is present on the metaphyseal region and strong support is required.
- Available in a single, clearly labelled sterile pack.

### Austin Moore Hip Prosthesis, Narrow Stem

| Dia(Ø) | Ref. No.   |
|--------|------------|
| 37mm   | 3005-NS-37 |
| 38mm   | 3005-NS-38 |
| 39mm   | 3005-NS-39 |
| 40mm   | 3005-NS-40 |
| 41mm   | 3005-NS-41 |
| 42mm   | 3005-NS-42 |
| 43mm   | 3005-NS-43 |
| 44mm   | 3005-NS-44 |
| 45mm   | 3005-NS-45 |
| 46mm   | 3005-NS-46 |
| 47mm   | 3005-NS-47 |
| 48mm   | 3005-NS-48 |
| 49mm   | 3005-NS-49 |
| 50mm   | 3005-NS-50 |
| 51mm   | 3005-NS-51 |
| 52mm   | 3005-NS-52 |
| 53mm   | 3005-NS-53 |
| 54mm   | 3005-NS-54 |
| 55mm   | 3005-NS-55 |
| 56mm   | 3005-NS-56 |

### Austin Moore Hip Prosthesis, Broad Stem

| Dia(Ø) | Ref. No.   |
|--------|------------|
| 37mm   | 3005-BS-37 |
| 38mm   | 3005-BS-38 |
| 39mm   | 3005-BS-39 |
| 40mm   | 3005-BS-40 |
| 41mm   | 3005-BS-41 |
| 42mm   | 3005-BS-42 |
| 43mm   | 3005-BS-43 |
| 44mm   | 3005-BS-44 |
| 45mm   | 3005-BS-45 |
| 46mm   | 3005-BS-46 |
| 47mm   | 3005-BS-47 |
| 48mm   | 3005-BS-48 |
| 49mm   | 3005-BS-49 |
| 50mm   | 3005-BS-50 |
| 51mm   | 3005-BS-51 |
| 52mm   | 3005-BS-52 |
| 53mm   | 3005-BS-53 |
| 54mm   | 3005-BS-54 |
| 55mm   | 3005-BS-55 |
| 56mm   | 3005-BS-56 |



- These are indicated for replacement of the degenerated femoral head.
- The stem is having one thick end and tapered to a thin edge. This feature of stem provides great resistance to rotation.
- The broad collar is designed for weight distribution on the calcar.
- Thompson Hip Prosthesis is available in different head sizes to fit accurately in acetabulum.
- It is also available in Standard and Narrow Stems.
- Angle of neck and offset provides a unique geometry for prevention of dislocations.
- Available in a single, clearly labeled sterile pack.

#### Thompson Hip Prostheis

| Dia(Ø) | Ref. No.   |
|--------|------------|
| 37mm   | 2005-TH-37 |
| 38mm   | 2005-TH-38 |
| 39mm   | 2005-TH-39 |
| 40mm   | 2005-TH-40 |
| 41mm   | 2005-TH-41 |
| 42mm   | 2005-TH-42 |
| 43mm   | 2005-TH-43 |
| 44mm   | 2005-TH-44 |
| 45mm   | 2005-TH-45 |
| 46mm   | 2005-TH-46 |
| 47mm   | 2005-TH-47 |
| 48mm   | 2005-TH-48 |
| 49mm   | 2005-TH-49 |
| 50mm   | 2005-TH-50 |
| 51mm   | 2005-TH-51 |
| 52mm   | 2005-TH-52 |
| 53mm   | 2005-TH-53 |
| 54mm   | 2005-TH-54 |
| 55mm   | 2005-TH-55 |
| 56mm   | 2005-TH-56 |





## Components Of Total Hip Replacement & Modular Bi-polar

### Acetabular Cup 10° (UHDMWPE) with Textured Surface

- Maximum Range of Motion.
- Minimum Impingement.
- Cup design ensures uniform 2-3 mm of cement mantle.
- Wire marker for post operative X-ray.
- 100 elevated liner provides extra safety.



| Head(Ø) | Ref. No.   |
|---------|------------|
| 38mm    | 6007-24-38 |
| 40mm    | 6007-24-40 |
| 42mm    | 6007-24-42 |
| 44mm    | 6007-24-44 |
| 46mm    | 6007-28-46 |
| 48mm    | 6007-28-48 |
| 50mm    | 6007-28-50 |
| 52mm    | 6007-28-52 |
| 54mm    | 6007-28-54 |

### Half Cup

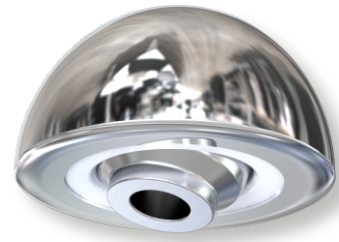
- Positive eccentricity with two modes of articulation minimizes acetabular wear and prevents varus positioning of the bi-polar head.
- Hip-Fix, Bi-Polar head is extremely versatile with Twenty seven sets of outside diameter sizes, which gives the surgeon a immense flexibility.
- The screw - on fixation of the Ultra High Density Molecular Weight Poly Ethylene (UHDMWPE) liner ensures secure locking. It is designed to exceed the cantilever pull out resistance forces which may be generated in the Bi-Polar Head, providing inherent stability.
- Very good range of motion before the movement between outer shell and true acetabulum starts, thereby sparing the acetabular cartilage from wear.
- Unique company fitted half cup assembly is extra secure & saves time.



| Head(Ø) | Ref. No.   |
|---------|------------|
| 38mm    | 5007-00-38 |
| 40mm    | 5007-00-40 |
| 42mm    | 5007-00-42 |
| 44mm    | 5007-00-44 |
| 46mm    | 5007-00-46 |
| 48mm    | 5007-00-48 |
| 50mm    | 5007-00-50 |
| 52mm    | 5007-00-52 |
| 54mm    | 5007-00-54 |
| 56mm    | 5007-00-56 |
| 58mm    | 5007-00-58 |

### Half Cup Assembly

- Positive eccentricity with two modes of articulation minimizes acetabular wear and prevents varus positioning of the bi-polar head.
- Hip-Fix, Bi-Polar head is extremely versatile with Twenty seven sets of outside diameter sizes, which gives the surgeon a immense flexibility.
- The screw - on fixation of the Ultra High Density Molecular Weight Poly Ethylene (UHDMWPE) liner ensures secure locking. It is designed to exceed the cantilever pull out resistance forces which may be generated in the Bi-Polar Head, providing inherent stability.
- Very good range of motion before the movement between outer shell and true acetabulum starts, thereby sparing the acetabular cartilage from wear.
- Unique company fitted half cup assembly is extra secure & saves time.



| Head(Ø) | Ref. No.      |
|---------|---------------|
| Ø 38mm  | 5007-24-38/-3 |
| Ø 38mm  | 5007-24-38/0  |
| Ø 38mm  | 5007-24-38/+5 |
| Ø 40mm  | 5007-24-40/-3 |
| Ø 40mm  | 5007-24-40/0  |
| Ø 40mm  | 5007-24-40/+5 |
| Ø 42mm  | 5007-24-42/-3 |
| Ø 42mm  | 5007-24-42/0  |
| Ø 42mm  | 5007-24-42/+5 |
| Ø 44mm  | 5007-28-44/-3 |
| Ø 44mm  | 5007-28-44/0  |
| Ø 44mm  | 5007-28-44/+5 |
| Ø 46mm  | 5007-28-46/-3 |
| Ø 46mm  | 5007-28-46/0  |
| Ø 46mm  | 5007-28-46/+5 |
| Ø 48mm  | 5007-28-48/-3 |
| Ø 48mm  | 5007-28-48/0  |
| Ø 48mm  | 5007-28-48/+5 |
| Ø 50mm  | 5007-28-50/-3 |
| Ø 50mm  | 5007-28-50/0  |
| Ø 50mm  | 5007-28-50/+5 |
| Ø 52mm  | 5007-28-52/-3 |
| Ø 52mm  | 5007-28-52/0  |
| Ø 52mm  | 5007-28-52/+5 |
| Ø 54mm  | 5007-28-54/-3 |
| Ø 54mm  | 5007-28-54/0  |
| Ø 54mm  | 5007-28-54/+5 |
| Ø 56mm  | 5007-28-56/-3 |
| Ø 56mm  | 5007-28-56/0  |
| Ø 56mm  | 5007-28-56/+5 |

## Femur Head

- Unique machining techniques, guarantee perfect roundness and excellent polish.
- 100% Quality Assurance of all ball spheres assure longevity of implant in the human body.
- 100% Quality Control of 12/14 taper comes make them synergise with similar tapered stems worldwide.
- The captive head ensures continuous internal articulation, ease of assembly / disassembly and full prosthetic security.



| Offset | Size(Ø) | Ref. No.        |
|--------|---------|-----------------|
| -3     | 28      | 5006-00-28/-3   |
| 0      | 28      | 5006-00-28/0    |
| +4     | 28      | 5006-00-28/+4   |
| +7.5   | 28      | 5006-00-28/+7.5 |
| -3     | 32      | 5006-00-32/-3   |
| 0      | 32      | 5006-00-32/0    |
| +4     | 32      | 5006-00-32/+4   |
| +7.5   | 32      | 5006-00-32/+7.5 |
| -3     | 36      | 5006-00-36/-3   |
| 0      | 36      | 5006-00-36/0    |
| +4     | 36      | 5006-00-36/+4   |
| +7.5   | 36      | 5006-00-36/+7.5 |

## Bone Cement Restrictor

- Material: UHDMWPE
- Conforming: - ISO 5834



| Ref. No.   |
|------------|
| 5008-00-01 |

## Stem Centralizer

- Helps self centering of stem & prevents direct contacts of distal tip of stem on cement.
- Materials: UHDMWPE
- Conforming: ISO 5834

| Size    | Ref. No.   |
|---------|------------|
| 09/10mm | 5007-09-10 |
| 11/12mm | 5007-11-12 |



## PMMA Stem Centralizer

| Size    | Ref. No.        |
|---------|-----------------|
| 09/10mm | 5007-PMMA-9/10  |
| 11/12mm | 5007-PMMA-11/12 |
| 13/14mm | 5007-PMMA-13/14 |
| 15/16mm | 5007-PMMA-15/16 |



## Femur Head (COCR)

| Offset | Size(Ø) | Ref. No.     |
|--------|---------|--------------|
| -3     | 28      | COCR-28/-3   |
| 0      | 28      | COCR-28/0    |
| +4     | 28      | COCR-28/+4   |
| +7.5   | 28      | COCR-28/+7.5 |
| -3     | 32      | COCR-32/-3   |
| 0      | 32      | COCR-32/0    |
| +4     | 32      | COCR-32/+4   |
| +7.5   | 32      | COCR-32/+7.5 |
| -3     | 36      | COCR-36/-3   |
| 0      | 36      | COCR-36/0    |
| +4     | 36      | COCR-36/+4   |
| +7.5   | 36      | COCR-36/+7.5 |

**pain was past**

make pain free life your future



**33** *Years of*  
Dedication

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