

# xl-axenture

## Dual Mobility Cup



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.

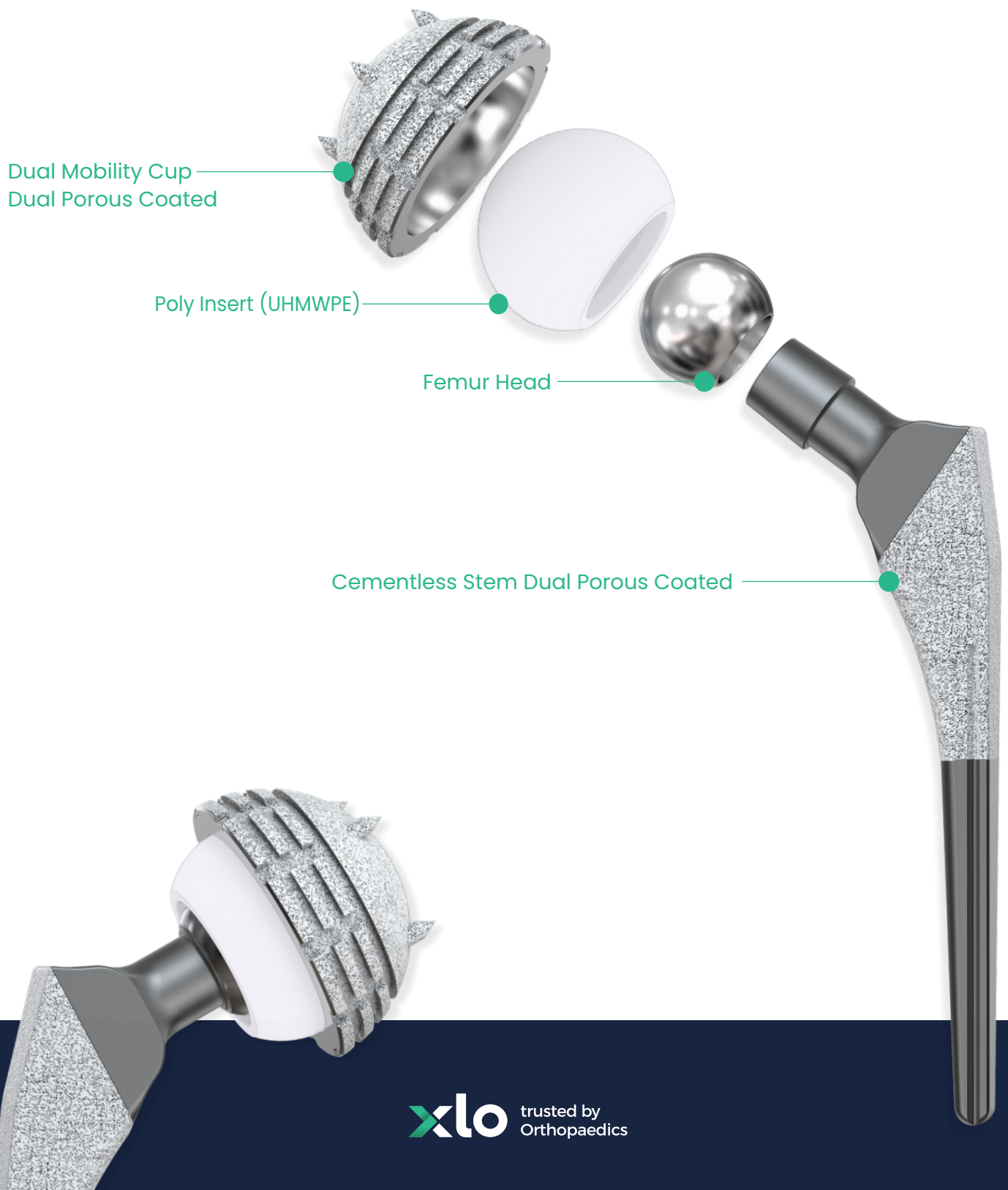
The company has established a pan-India presence, ensuring that its products are accessible across the country. Furthermore, XLO exports its innovative solutions worldwide, contributing significantly to global healthcare advancements in orthopaedics.



# xl-axenture Dual Mobility Cup

Dual mobility cups have two points of articulation, one between the shell and the polyethylene (external bearing) and one between the polyethylene and the femoral head (internal bearing). Movement occurs at the inner bearing; the outer bearing only moves at extremes of movement.

Dislocation after total hip arthroplasty (THA) is a cause of much morbidity and its treatment has significant cost implications. Dual mobility cups provide an increased range of movement and a may reduce the risk of dislocation.



The XL-Axenture Stem capitalizes on the excellent clinical results of proximal to distal tapered stem designs. The XL-AXENTURE system features a variety of stem designs that provide different methods of stem fixation, bone geometries and that also addresses different patients.

The porous-coated design promotes bone ingrowth and 3-dimensional interlocking between the implant and the bone. All XL-AXENTURE femoral stems are made from high-strength, titanium and feature a 3° proximal to distal taper. Parallel and longitudinally arranged flutes on the stems provide good axial and antirotational stability. The circulotrapezoidal neck of XLAXENTURE stems is smaller in the anterior/posterior direction than most comparative stems.

- XL-AXENTURE cementless femoral stems are available in 7 different sizes. All are available in standard and high offset versions.
- All stems in the XL-AXENTURE system are implanted with one simple set of surgical instruments.
- The 12/14 taper of XL-AXENTURE stems accepts 28, 32 and 36mm femoral heads in a variety of neck lengths.
- **Dual Porous Coating**  
Porous Titanium layer provided enhanced primary and secondary fixation. With the application of a second layer of HaP we can have an additional enhancement of secondary implant fixation, with a rapid bone ingrowth. TiPorous 400 ±50, Hap 90±30.

- Suits All forms of Bone Anatomy.
- No Turning moment and calcar absorption as the stem is collarless.
- Tapered stem leads to excellent radial compressive loading & reduces shear forces.
- Available in single, clearly labeled sterile pack.

| 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 |





### 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.



| Head(Ø) | Head Neck | Ref. No.        |
|---------|-----------|-----------------|
| 22      | -3        | 5006-00-22/-3   |
| 22      | 0         | 5006-00-22/0    |
| 22      | +4        | 5006-00-22/+4   |
| 22      | +7.5      | 5006-00-22/+7.5 |
| 28      | -3        | 5006-00-28/-3   |
| 28      | 0         | 5006-00-28/0    |
| 28      | +4        | 5006-00-28/+4   |
| 28      | +7.5      | 5006-00-28/+7.5 |

### Cementless Dual Mobility Cup

- Titanium Dual Porous Coating
- No screw-holes
- Available in sizes 46mm to 60mm
- Indicated for cementless biological fixation

| Size | Ref No.    |
|------|------------|
| 46   | 7001-0T-46 |
| 48   | 7001-0T-48 |
| 50   | 7001-0T-50 |
| 52   | 7001-0T-52 |
| 54   | 7001-0T-54 |
| 56   | 7001-0T-56 |
| 58   | 7001-0T-58 |
| 60   | 7001-0T-60 |



### Cemented Dual Mobility Cup

- Titanium
- No screw-holes
- Available in sizes 46mm to 60mm

| Size | Ref No.      |
|------|--------------|
| 46   | 7001-0T-46CL |
| 48   | 7001-0T-48CL |
| 50   | 7001-0T-50CL |
| 52   | 7001-0T-52CL |
| 54   | 7001-0T-54CL |
| 56   | 7001-0T-56CL |
| 58   | 7001-0T-58CL |
| 60   | 7001-0T-60CL |



### Poly Insert (UHMWPE)

- Available in sizes 46mm to 60mm

| Size | Ref No.    |
|------|------------|
| 46   | 7001-22-46 |
| 48   | 7001-22-48 |
| 50   | 7001-22-50 |
| 52   | 7001-22-52 |
| 54   | 7001-28-54 |
| 56   | 7001-28-56 |
| 58   | 7001-28-58 |
| 60   | 7001-28-60 |



### Expandable Coupler

| Ref. No   | Dia(Ø) |
|-----------|--------|
| I-100.482 | 46     |
| I-100.483 | 48     |
| I-100.484 | 50     |
| I-100.485 | 52     |
| I-100.486 | 54     |
| I-100.487 | 56     |
| I-100.488 | 58     |
| I-100.489 | 60     |



### **I-100.490**

Final Cup Impactor



### **I-100.491**

Rim Impactor Tip



### **I-100.492**

Liner Prosthesis Driver



**I-100.493**  
Press



**I-100.494**  
Insert Reduction Tool



**I-100.495**  
Head Unlock Base



**I-100.496**  
Push Guide Rod



**TR-50.250**  
Trial Cup Holder



**Insert Trial**

| Ref. No   | Dia(Ø) |
|-----------|--------|
| TR-50.251 | 46     |
| TR-50.252 | 48     |
| TR-50.253 | 50     |
| TR-50.254 | 52     |
| TR-50.255 | 54     |
| TR-50.256 | 56     |
| TR-50.257 | 58     |
| TR-50.258 | 60     |



**Trial Cup**

| Ref. No   | Dia(Ø) |
|-----------|--------|
| TR-50.259 | 46     |
| TR-50.260 | 48     |
| TR-50.261 | 50     |
| TR-50.262 | 52     |
| TR-50.263 | 54     |
| TR-50.264 | 56     |
| TR-50.265 | 58     |
| TR-50.266 | 60     |



**Trial Head**

| Ref. No   | Size    |
|-----------|---------|
| TR-50.267 | 22/0    |
| TR-50.268 | 22/-3   |
| TR-50.269 | 22/+4   |
| TR-50.270 | 22/+7.5 |
| TR-50.271 | 28/0    |
| TR-50.272 | 28/-3   |
| TR-50.273 | 28/+4   |
| TR-50.274 | 28/+7.5 |





**I-100.500**  
Nut



**I-100.498**  
Tommy Bar, Ø8mmx185mm



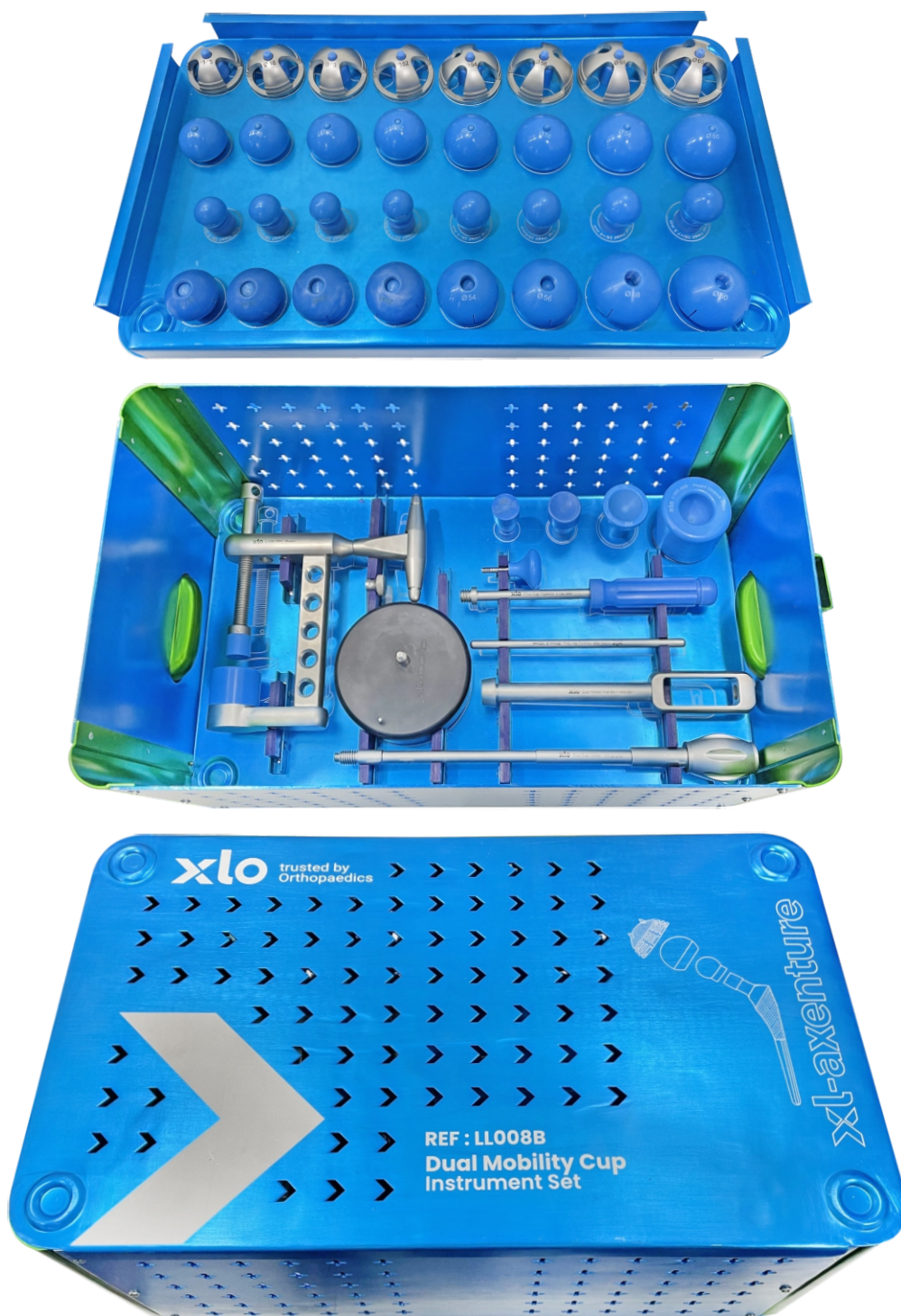
**I-100.497**  
Cup Holder Handle



**I-100.499**  
Base



**LL008B** : Dual Mobility Cup Instrument Set



## LL008B : Dual Mobility Cup Instrument Set

| Ref. No   | Description                   | Qty. |
|-----------|-------------------------------|------|
| I-100.482 | Expandable Coupler, Size: Ø46 | 1    |
| I-100.483 | Expandable Coupler, Size: Ø48 | 1    |
| I-100.484 | Expandable Coupler, Size: Ø50 | 1    |
| I-100.485 | Expandable Coupler, Size: Ø52 | 1    |
| I-100.486 | Expandable Coupler, Size: Ø54 | 1    |
| I-100.487 | Expandable Coupler, Size: Ø56 | 1    |
| I-100.488 | Expandable Coupler, Size: Ø58 | 1    |
| I-100.489 | Expandable Coupler, Size: Ø60 | 1    |
| I-100.490 | Final Cup Impactor            | 1    |
| I-100.491 | Rim Impactor Tip              | 1    |
| I-100.492 | Liner Prosthesis Driver       | 1    |
| I-100.493 | Press                         | 1    |
| I-100.494 | Insert Reduction Tool         | 1    |
| I-100.495 | Head Unlock Base              | 1    |
| I-100.496 | Push Guide Rod                | 1    |
| TR-50.250 | Trial Cup Holder              | 1    |
| TR-50.251 | Insert Trial Ø46              | 1    |
| TR-50.252 | Insert Trial Ø48              | 1    |
| TR-50.253 | Insert Trial Ø50              | 1    |
| TR-50.254 | Insert Trial Ø52              | 1    |
| TR-50.255 | Insert Trial Ø54              | 1    |
| TR-50.256 | Insert Trial Ø56              | 1    |
| TR-50.257 | Insert Trial Ø58              | 1    |
| TR-50.258 | Insert Trial Ø60              | 1    |
| TR-50.259 | Trial Cup Ø46                 | 1    |
| TR-50.260 | Trial Cup Ø48                 | 1    |
| TR-50.261 | Trial Cup Ø50                 | 1    |
| TR-50.262 | Trial Cup Ø52                 | 1    |
| TR-50.263 | Trial Cup Ø54                 | 1    |
| TR-50.264 | Trial Cup Ø56                 | 1    |
| TR-50.265 | Trial Cup Ø58                 | 1    |
| TR-50.266 | Trial Cup Ø60                 | 1    |
| TR-50.267 | Trial Head Size: 22/0         | 1    |
| TR-50.268 | Trial Head Size: 22/-3        | 1    |
| TR-50.269 | Trial Head Size: 22/+4        | 1    |
| TR-50.270 | Trial Head Size: 22/+7.5      | 1    |
| TR-50.271 | Trial Head Size: 28/0         | 1    |
| TR-50.272 | Trial Head Size: 28/-3        | 1    |
| TR-50.273 | Trial Head Size: 28/+4        | 1    |
| TR-50.274 | Trial Head Size: 28/+7.5      | 1    |
| I-100.500 | Nut                           | 1    |
| I-100.498 | Tommy Bar, Ø8mmx185mm         | 1    |
| I-100.497 | Cup Holder Handle             | 1    |
| I-100.499 | Base                          | 1    |

**pain was past**

make pain free life your future



**33** *Years of*  
Dedication

**ORTHO LIFE SYSTEMS PVT. LTD.**

Corporate Office & Works: D-111, Okhla Industrial Area, Phase 1, New Delhi-110020, India

Sales Office: 49, Church Road, Bhogal, Jangpura, New Delhi-110014, India

Phone: +91-11-41324393, 42851229 | Toll Free: 1800 121 1190 | Email: [info@xlo.in](mailto:info@xlo.in) | Web: [www.xlo.in](http://www.xlo.in)

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