

xl-foundation[®]c

Cemented Modular Bi-polar &
Total Hip Replacement System



xlo trusted by
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



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 Prosthesis

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 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.
38mm	5006-00-38
40mm	5006-00-40
42mm	5006-00-42
44mm	5006-00-42
46mm	5006-00-44
48mm	5006-00-46
50mm	5006-00-48
52mm	5006-00-50
54mm	5006-00-52
56mm	5006-00-54
58mm	5006-00-56

Components Of Total Hip Replacement & Modular Bi-polar

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.



Size(Ø)	Ref. No.
-3	5006-24/-3
-3	5006-28/-3
0	5006-24/0
0	5006-28/0
+4	5006-24/+4
+4	5006-28/+4
+7.5	5006-24/+7.5
+7.5	5006-28/+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
13/14mm	5007-13-14
15/16mm	5007-15-16
17/18mm	5007-17-18



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