VerSys Heritage® Hip System

Continuing the Tradition

zimmer

Heritage

Following the Tradition

The low-friction hip prosthesis developed by Sir John Charnley has more than a 20-year history of outstanding results.[1] With the *VerSys Heritage*® Hip System, Zimmer has applied this successful concept to primary, revision, and CDH implants, offering a wide range of styles and sizes for most cemented hip indications. All three stem options preserve the geometry and polished surface characteristics of that first-generation prosthesis, while incorporating additional features designed to further enhance implant performance.

Rectangular Cross-Sectional Geometry

incorporating a flat back design consistent with the Charnley design philosophy, helps enhance torsional stability.

Tapered Distal Tip

design helps reduce strains in the cement compared to conventional stems with non-tapered distal hole designs.[4,5] The distal centralizer fits over the outside diameter of the stem tip.

Smooth, Polished Surface Finish

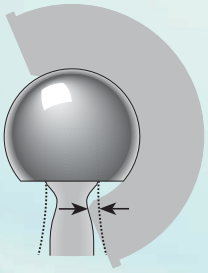
on forged, high-strength *Zimaloy*® Cobalt-Chromium-Molybdenum Alloy.

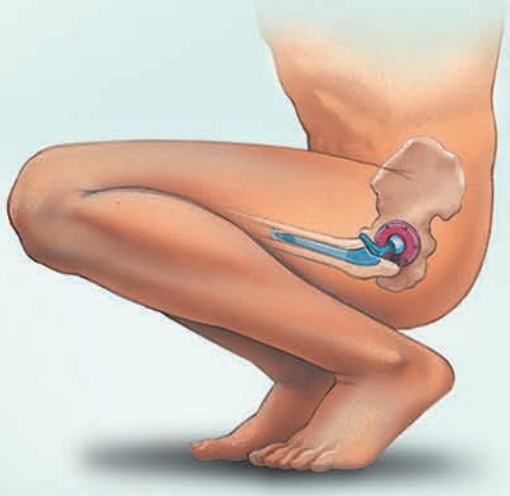
VerSys® Hip System Instrumentation

utilizes a core set of instruments for a system approach to provide a simple, precise, and reproducible implantation.

Wide Range Of Motion

results from optimized neck geometries.





Minimized Conical Collar,

characteristic of the original Charnley design philosophy, acts as an insertion guide to promote accurate alignment and centralization.

Extended Offset

options are possible because of a parallel medial neck shift that does not change the stem's 135° neck angle or increase leg length.[2,3]

Optional Proximal Sleeve Centralizer

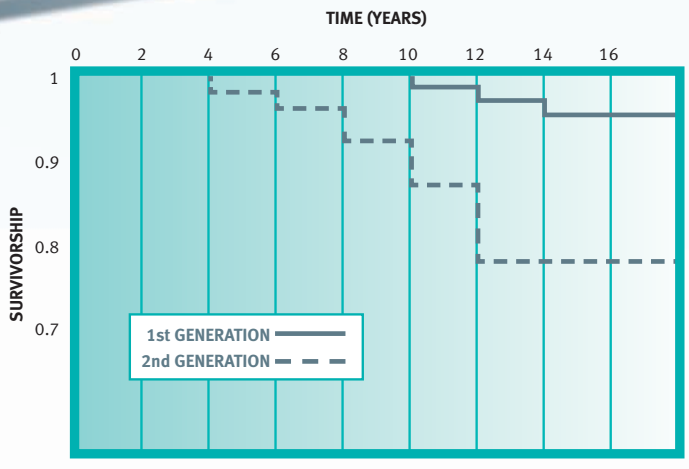
helps provide for an optimal cement mantle by neutrally positioning the femoral component. Two recesses in the proximal body help position the centralizer on the stem.

Distal Centralizer

with a"five-point star"design configuration helps improve cortical diaphyseal contact and stem alignment when compared to distal centralizers with four prongs.

Kaplan Meier Survivorship Analysis of Revisions of Charnley-Type Implants for Stem Loosening

The *VerSys Heritage* Hip is true to the original form of Sir John Charnley's first-generation hip stem, which has proven to be more successful than second-generation designs.[6,7]



Revision
Long-Stem Options

Building on the solid foundation of the *VerSys Heritage* design, the revision prostheses offer additional stem length, neck length, and offset options. This allows the system to meet the anatomical requirements of Type I and Type II femoral deficiencies and, in some cases, Type III deficiencies.

Increased Neck Length and Offset

compared to the standard neck length and offset, help restore proper joint kinematics in revision cases.

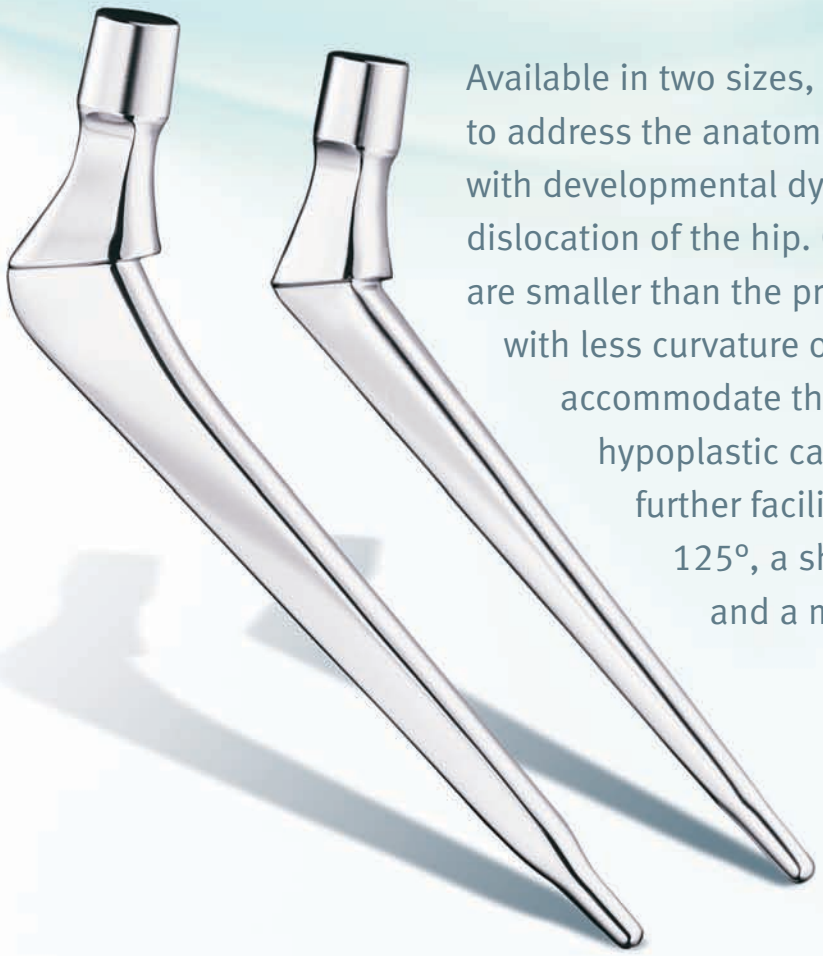
Full-Length, All-Metal Provisionals

allow for an accurate trial insertion and reduction regardless of surgical approach.

Threaded Bullet Tip

helps stabilize the provisional stem distally for more accurate trial alignment.

CDH
Congenital Dysplasia Hip



Available in two sizes, the CDH prosthesis is designed to address the anatomical characteristics associated with developmental dysplasia and congenital dislocation of the hip. Generally, the CDH stems are smaller than the primary and revision stems with less curvature on the medial face to accommodate the endosteal anatomy of a hypoplastic canal. The reconstruction is further facilitated by a neck angle of 125°, a shortened neck length, and a minimal offset.

Full-Length, All-Metal Provisionals

allow for an accurate trial insertion and reduction regardless of surgical approach.

Threaded Bullet Tip

helps stabilize the provisional stem distally for more accurate trial alignment.

Size 9

with a minimized medial curve and femoral offset, accommodates congenital dislocation, allowing the acetabular component to be placed in its true anatomical position.

Size 10

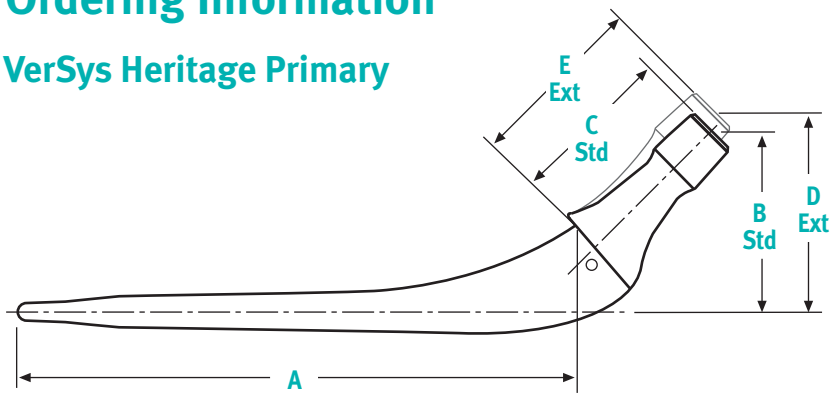
accommodates the anteverted and valgus position of the femoral neck in developmental dysplasia.

Neck Length & Offset

accommodate CDH anatomy.

Ordering Information

VerSys Heritage Primary



Standard Offset

Prod. No.	Stem Size	A Stem Length (mm)	B Offset (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	C Neck Length (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	Average Cement Mantle Thickness (mm)
00-7857-011-00	11	120	33	36	38	41	43	26	30	33	37	40	1.0
00-7857-012-00	12	125	36	39	41	44	46	28	32	35	39	42	1.5
00-7857-013-00	13	130	36	39	41	44	46	28	32	35	39	42	1.75
00-7857-014-00	14	135	39	42	44	47	49	33	36	40	43	47	2.0
00-7857-015-00	15	140	39	42	44	47	49	33	36	40	43	47	2.0
00-7857-016-00	16	145	42	45	47	50	52	37	40	44	47	51	2.0
00-7857-017-00	17	150	42	45	47	50	52	37	40	44	47	51	2.0

Extended Offset

Prod. No.	Stem Size	A Stem Length (mm)	D Offset (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	E Neck Length (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	Average Cement Mantle Thickness (mm)
00-7857-013-20	13	130	41	44	46	49	51	31	35	38	42	45	1.75
00-7857-014-20	14	135	44	47	49	52	54	35	39	42	46	49	2.0
00-7857-015-20	15	140	44	47	49	52	54	35	39	42	46	49	2.0
00-7857-016-20	16	145	47	50	52	55	57	39	43	46	50	53	2.0

Proximal Centralizers*

Prod. No.	Description
00-7858-011-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 11
00-7858-012-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 12
00-7858-013-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 13 Std
00-7858-014-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 14 Std
00-7858-015-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 15 Std
00-7858-016-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 16 Std
00-7858-017-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 17 Std
00-7858-023-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 13 Ext
00-7858-024-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 14 Ext
00-7858-025-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 15 Ext
00-7858-026-57	*VerSys Heritage* Proximal Centralizer Sleeve, Size 16 Ext

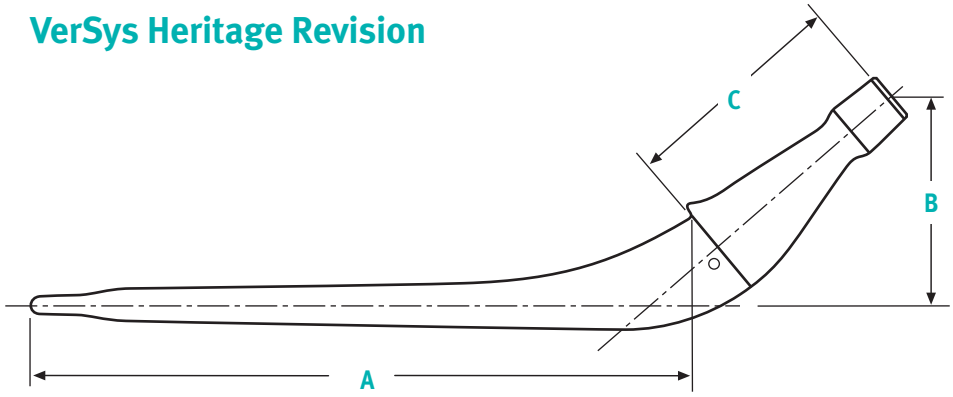
* Proximal Centralizers are packaged and sold separately from the stem. Proximal Centralizers can be utilized on both the primary and revision stems. The standard sizes should be used for the revision stems.

Instrumentation* - Primary

Prod. No.	Description
00-7899-019-00	*VerSys Heritage* Cone Collar Provisional Set (Includes one each of the items listed below:)
00-7894-011-57	*VerSys Heritage* Cone Collar Provisional, Size 11 Std
00-7894-012-57	*VerSys Heritage* Cone Collar Provisional, Size 12/13 Std
00-7894-014-57	*VerSys Heritage* Cone Collar Provisional, Size 14/15 Std
00-7894-016-57	*VerSys Heritage* Cone Collar Provisional, Size 16/17 Std
00-7894-023-57	*VerSys Heritage* Cone Collar Provisional, Size 13 Ext
00-7894-024-57	*VerSys Heritage* Cone Collar Provisional, Size 14/15 Ext
00-7894-026-57	*VerSys Heritage* Cone Collar Provisional, Size 16/17 Ext
00-7890-011-57	*VerSys Heritage* Osteotomy Guide, Size 11
00-7890-012-57	*VerSys Heritage* Osteotomy Guide, Size 12/13
00-7890-014-57	*VerSys Heritage* Osteotomy Guide, Size 14/15
00-7890-016-57	*VerSys Heritage* Osteotomy Guide, Size 16/17
00-7897-057-00	*VerSys* Cone Provisional Tray

* The *VerSys Heritage* Hip System utilizes the *VerSys* Hip System instruments.

VerSys Heritage Revision

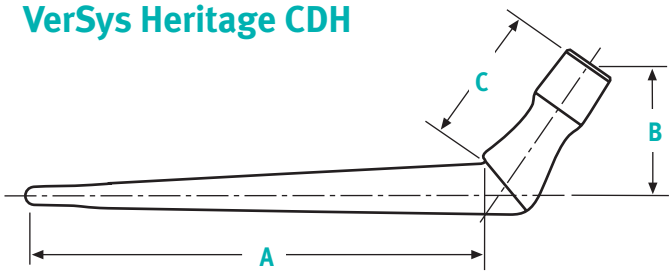


Prod. No.	Stem Size	A Stem Length (mm)	B Offset (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	C Neck Length (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	Average Cement Mantle Thickness (mm)
00-7857-033-14	13	140	43	45	47	49	51	44	47	50	54	57	1.75
00-7857-035-16	15	160	46	48	50	52	54	49	52	55	59	62	2.0
00-7857-035-22	15	220	46	48	50	52	54	49	52	55	59	62	2.0
00-7857-037-18	17	180	47	49	51	55	55	52	55	58	62	65	2.0

Instrumentation - Revision

Prod. No.	Description
00-7899-026-00	*VerSys Heritage* Revision Instrument Set (Includes one each of the items listed below:)
00-7890-095-00	*VerSys Heritage* Revision Case (Includes base and lid)
00-7894-033-57	*VerSys Heritage* Femoral Revision Stem Provisional, 13mm x 140mm
00-7894-035-57	*VerSys Heritage* Femoral Revision Stem Provisional, 15mm x 160mm
00-7894-036-57	*VerSys Heritage* Femoral Revision Stem Provisional, 15mm x 220mm
00-7894-037-57	*VerSys Heritage* Femoral Revision Stem Provisional, 17mm x 180mm
00-7893-010-05	*VerSys Heritage* Prov Distal Centralizer, 10mm
00-7893-011-05	*VerSys Heritage* Prov Distal Centralizer, 11mm
00-7893-012-05	*VerSys Heritage* Prov Distal Centralizer, 12mm
00-7893-013-05	*VerSys Heritage* Prov Distal Centralizer, 13mm
00-7893-014-05	*VerSys Heritage* Prov Distal Centralizer, 14mm
00-7893-015-05	*VerSys Heritage* Prov Distal Centralizer, 15mm
00-7893-016-05	*VerSys Heritage* Prov Distal Centralizer, 16mm
00-7893-017-05	*VerSys Heritage* Prov Distal Centralizer, 17mm
00-7893-018-05	*VerSys Heritage* Prov Distal Centralizer, 18mm
00-7893-019-05	*VerSys Heritage* Prov Distal Centralizer, 19mm

VerSys Heritage CDH



Prod. No.	Stem Size	A Stem Length (mm)	B Offset (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	C Neck Length (mm) When Head/Neck Component Selected is: -3.5	0	+3.5	+7	+10.5	Average Cement Mantle Thickness (mm)
00-7857-009-00	9	110	25	28	31	34	37	28	31	35	38	42	1.0
00-7857-010-00	10	115	32	35	38	41	44	28	31	35	38	42	1.0

Instrumentation - CDH

Prod. No.	Description
00-7899-025-00	***VerSys Heritage* CDH Instrument Set (Includes one each of the items listed below:)**
00-7890-090-00	*VerSys Heritage* CDH Case (Includes base and lid)
00-7892-008-57	*VerSys Heritage* Femoral Rasp, Size 8 CDH
00-7892-009-57	*VerSys Heritage* Femoral Rasp, Size 9 CDH
00-7892-010-57	*VerSys Heritage* Femoral Rasp, Size 10 CDH
00-7894-009-57	*VerSys Heritage* Speciality Stem Provisional, Size 9 CDH
00-7894-010-57	*VerSys Heritage* Speciality Stem Provisional, Size 10 CDH
00-7890-031-57	*VerSys Heritage* Osteotomy Guide, CDH
00-7893-009-05	*VerSys Heritage* Prov Distal Centralizer, 9mm
00-7893-010-05	*VerSys Heritage* Prov Distal Centralizer, 10mm
00-7893-011-05	*VerSys Heritage* Prov Distal Centralizer, 11mm
00-7893-012-05	*VerSys Heritage* Prov Distal Centralizer, 12mm
00-7893-013-05	*VerSys Heritage* Prov Distal Centralizer, 13mm
00-7893-014-05	*VerSys Heritage* Prov Distal Centralizer, 14mm
00-7895-022-02	Femoral Head Provisional, +0 x 22mm
00-7895-022-20	Femoral Head Provisional, -2 x 22mm
00-7895-022-30	Femoral Head Provisional, +3 x 22mm
00-7895-028-01	Femoral Head Provisional, -3.5 x 28mm
00-7895-028-02	Femoral Head Provisional, +0 x 28mm
00-7895-028-03	Femoral Head Provisional, +3.5 x 28mm
00-7895-028-14	Femoral Head Provisional, +7 x 28mm

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References

1. Kavanagh BF, Wallrichs S, Dewitz M, et al. Charnley low-friction arthroplasty of the hip: twenty-year results with cement. *J Arthroplasty*. 1994;9(3).
2. Steinbert B, Harris WH. The 'offset' problem in total hip arthroplasty. *Contemporary Orthop*. 1992;24(5).
3. Davey JR, O'Connor DO, Burke DW, et al. Femoral component offset: its effect on strain in bone cement. *J Arthroplasty*. 1993;8(1).
4. Estok DM, Ramamurti BS, Weinberg EW, et al. A stem design changes to reduce peak cement strains around cemented total hip arthroplasty by 45%. Presented at: 63rd Annual Meeting of the American Academy of Orthopaedic Surgeons; Feb 22-26, 1996; Atlanta, GA.
5. Hanson PB, Walker RH. Total hip arthroplasty cemented femoral component distal stem centralizer effect on stem centralization and cement mantle. *J Arthroplasty*. 1995;10(5):683-689.
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7. Schulte KR, Callaghan JJ, Kelley SS, Johnston RC. The outcome of Charnley total hip arthroplasty with cement after a minimum twenty-year follow-up. *J Bone Joint Surg*. 1993;75-A:961-975.

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