PINNAGLE® REVISION CUP SYSTEM

A new *vision* in revision acetabular reconstruction





OPTIMIZED MODULARITY

DESIGN RATIONALE

REVISION SURGERY without COMPROMISE



Flexibility. Precision. Confidence.

DePuy is proud to offer the Pinnacle® Revision Acetabular Cup System to address the need for enhanced stability and biomechanical optimization while providing immediate and long-term fixation.

The Pinnacle Revision Acetabular Cup System was designed to deliver intraoperative flexibility with precision-crafted components to address the unique challenges of revision acetabular surgery.

The Pinnacle Revision Acetabular Cup System consists of the Standard Profile, Deep Profile (DPx) and a Multi-hole shell that feature:

- Allowance for mechanical fixation in the rim or dome
- Dome screw holes that can angulate up to 34 degrees for intra-operative flexibility and to optimize bony purchase
- The patented VIP taper that accommodates multiple bearing options to address a wide array of patients, activity levels and demand requirements
- Sizes 38 to 80mm

DESIGNED IN CONSULTATION WITH:

William Barrett, MD, Seattle WA ASSOCIATE CLINICAL PROFESSOR UNIVERSITY OF WASHINGTON

Daniel Berry, MD, Rochester MN ASSOCIATE PROFESSOR OF ORTHOPEDICS MAYO MEDICAL CENTER

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Fixation: Immediate and Long-Term

Standard and Deep Profile (DPx) shells feature:

- Standard Profile and Multi-hole shells with a full 180-degree hemisphere for unsurpassed rim friction fit to enhance immediate cup stability
- Deep Profile (DPx) shells with variable, progressive lateralization that increases with shell size to ensure proper medial defect fill in a graduated proportional manner
- Peripheral and dome screw holes for immediate fixation
- Superiorly clustered dome screw holes for precise bone screw positioning into the best quality host bone
- Peripheral screw holes for fixation while complementing the natural compressive loading of the acetabulum

POROUS COATING

Available in sizes up to 80mm, all Pinnacle Revision shells feature this proven ingrowth surface that maximizes the surface area for bony ingrowth and immediate stability.

The scientifically sized sintered beads allow for a proven initial press-fit through a high-friction, multi-layered construct. For more than 25 years, Porocoat[®] Porous Coating has a history of successful clinical use.



Enhanced Modularity and Biomechanics: Intraoperative flexibility to match your patient's need

Neutral Marathon[®] cross-linked polyethylene liners are designed to enhance performance by providing a minimum of 6mm of polyethylene throughout the dome region of the liner.

+4 Neutral Marathon cross-linked polyethylene liners are designed to enhance hip stability, by lateralizing the femoral head's center of rotation by 4mm.

+4 10 Degree Marathon cross-linked polyethylene liners are designed to re-direct the available range of motion and optimize positioning to allow the cup, screw holes and Porocoat porous coating to come into contact with the most optimal surface area of the acetabulum.

Lipped Marathon cross-linked polyethylene liners are designed to provide a high wall along one side of the liner to increase the jump distance in the specific area that the head must travel before dislocation can occur.

Ultamet[™] metal inserts are designed to provide wear reduction and hip stability through the use of a 36mm articulation on precision-machined metal inserts.1

1. Pinnacle Ultamet inserts must be used with (M) specification femoral heads available through DePuy Orthopaedics, Inc.



Ultamet metal inserts

36mm ID

28mm ID

Pinnacle DPx Shells

Providing the ability to reproduce the correct center of rotation



Standard Profile



Deep Profile

The ability to reproduce the center of rotation is further enhanced with the deep profile cup. The Pinnacle deep profile shells allow the surgeon to address soft tissue laxity through a proportionally variable offset DPx cup.

DPx Cup Size (mm)	Lateralization (mm)
54-58	4
60-66	5
68-72	6



The new Marathon ES^{3™} liner bridges the gap between the traditional primary liner and a constrained liner while providing increased hip stability and range of motion.

The ES³ liner enhances stability 3 ways: through incorporation of the Charnley bore, large diameter femoral heads and optimized head-to-neck ratio.

First introduced by Sir John Charnley in 1966, the Charnley bore adds a cylinder of polyethylene to the rim of the liner, to increase subluxation jump distance. When ES³ liners are utilized with DePuy stems that feature the new reduced neck geometry, you are able to provide your patient with a hip that is designed for stability and high function.

All ES³ liners maintain a minimum 6mm of polyethylene in the dome region of the liner and are manufactured from the high-quality, time-proven² Marathon[®] Cross-linked Polyethylene in 40, 44 and 48mm inner diameters.



Designed to increase head/neck ratio and minimize impingement. When the ES³ liner is combined with any one of the DePuy stems, you can offer your patient advanced technology, high function and optimal biomechanical reconstruction.

 Heisel C, Silva M, dela Rosa MA, Schmalzried TP. Short-term in vivo wear of cross-linked polyethylene. Journal of Bone and Joint Surgery. 2004; 86A: 748-751.

Utilizing larger femoral heads that articulate in liners that feature a Charnley bore increases the distance downward (jump distance) that the femoral head must travel before the head can disassociate from the liner



Increasing head size optimizes Range of Motion.



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ES³ liners provide a real solution to soft tissue laxity.

Ordering Information

4.00	tabular Cun Stula					
Ace	tabular Cup Style					
	Cat. No.	Outer Diameter (mm)	Acetabular Liner Size Required (mm)	Dome Screw Hole Qty	Peripheral Screw Hole Qty	
MU	LTI-HOLE II					
	1217-20-038	38	38	5	0	
1000	1217-20-040	40	40	6	0	
600	1217-20-042	42	42	6	0	
and the second second	1217-20-044	44	44	6	0	
	1217-20-046	46	46	6	0	
	1217-20-048	48	48	8	0	
	1217-20-050	50	50	10	0	
	1217-20-052	52	52	10	0	
	1217-20-054	54	54	12	0	
	1217-20-056	56	56	12	0	
	1217-20-058	58	58	12	0	
	1217-20-060	60	60	12	0	
	1217-20-062	62	62	12	0	
	1217-20-064	64	64	12	0	
	1217-20-066	66	66	12	0	
	* 1217-20-068	68	68	12	0	
	* 1217-20-070	70	70	12	0	
	* 1217-20-072	72	72	12	0	
STA	NDARD PROFILE					
	1217-06-054	54	48	5	8	
1	1217-06-056	56	50	5	8	
1 Carlos A	1217-06-058	58	52	5	8	
and the second second	1217-06-060	60	54	5	8	
	1217-06-062	62	56	5	8	
	1217-06-064	64	58	9	8	
	1217-06-066	66	60	9	8	
	1217-06-068	68	62	9	8	
	1217-06-070	70	64	9	8	
	1217-06-072	72	66	9	8	
	* 1217-06-074	74	70	9	8	
	* 1217-06-076	76	72	9	8	
	* 1217-06-078	78	74	9	8	
	* 1217-06-080	80	76	9	8	
DEE	P PROFILE DPx					
	1217-07-054	54	48	5	8	
A STATE OF	1217-07-056	56	50	5	8	
ALC: NO.	1217-07-058	58	52	5	8	
	1217-07-060	60	54	5	8	
	1217-07-062	62	56	5	8	
	1217-07-064	64	58	9	8	
	1217-07-066	66	60	9	8	
	1217-07-068	68	62	9	8	
	1217-07-070	70	64	9	8	
	1217-07-072	72	66	9	8	

* Ultamet inserts not available.

ES ³ Liner	
Cat. No.	Description
NEUTRAL+4	
1219-40-456	40ID 560D
1219-40-458	40ID 580D
1219-40-460	40ID 600D
1219-44-462	44ID 62OD
1219-44-464	44ID 640D
1219-44-466	44ID 660D
1219-44-468	44ID 680D
1219-48-470	48ID 700D
1219-48-472	48ID 720D
1219-48-474	48ID 740D
1219-48-476	48ID 760D
10 DEGREE+4	
1219-40-156	40ID 560D
1219-40-158	40ID 580D
1219-40-160	40ID 600D
1219-44-162	44ID 62OD
1219-44-164	44ID 640D
1219-44-166	44ID 66OD
1219-44-168	44ID 680D
1219-48-170	48ID 700D
1219-48-172	48ID 720D
1219-48-174	48ID 740D
1219-48-176	48ID 760D

Peripheral Cortical Bone Screw				
Cat. No.	Length (mm)			
1257-25-000	25			
1257-30-000	30			
1257-35-000	35			
1257-40-000	40			
1257-45-000	45			
1257-50-000	50			
1257-55-000	55			
1257-60-000	60			
1257-65-000	65			
1257-30-000 1257-35-000 1257-40-000 1257-45-000 1257-50-000 1257-55-000 1257-60-000 1257-65-000	23 30 35 40 45 50 55 60 65			

6.5 Cancellous Dom	e Screw
Cat. No.	Length (mm)
1217-15-500	15
1217-20-500	20
1217-25-500	25
1217-30-500	30
1217-35-500	35
1217-40-500	40
1217-45-500	45
1217-50-500	50
1217-55-500	55
1217-60-500	60
1217-65-500	65
1217-70-500	70

For more information about the Pinnacle Revision Cup System, visit our web site at www.jnjgateway.com.



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